

## II. INDEX OF CRINOID CROWNS AND PARTS OF CROWNS

### Remarks.

This index includes described and illustrated Paleozoic crinoids, coronates and hemistreptocrinids through 2012, including several publications overlooked in the earlier Webster (1973, 1977, 1986, 1988, 1993, 2003) compilations. Because the bibliographic and index compilation of Webster (2003) was a website and never published in printed form as initially agreed to with the Geological Society of America, it does not qualify as an ICZN recognized publication. Therefore the listings of Webster (2003) are not cited herein.

The classification followed herein is based on those of Moore and Teichert (1978), Simms and Sevastopulo (1993), Ausich (1998b), Webster and Jell (1999b), and individual transfers made by numerous authors after that of Moore and Teichert (1978). For consistency, I have revised the higher taxonomic levels throughout to agree with most changes. However, I do not accept all the changes made or suggested by the various authors. I have generally used their revisions because I am not trying to revise the classification herein. However, some species are reassigned to a different genus as necessary and the classifications given herein are based on my current concepts of the classification.

The following taxonomic revisions are used herein, following Webster and Maples (2006, 2008). Genera of the Family Poteriocrinidae are considered to be advanced cyathocrinids with pinnules and transferred to the Cyathocrinitoidea. The Order Poteriocrinida is therefore discarded and all other cladid crinoids previously assigned to the Poteriocrinida are now judged to be derived from the Dendrocrinida. Future work will undoubtedly result in considerable modification of the existing classification with possibly two or more orders or suborders being erected to include the cladids transferred to the Dendrocrinida.

Following the recognition of some Paleozoic crinoids as ancestral articulates by Simms and Sevastopulo (1993), Webster and Jell (1999b) erected the Order Ampelocrinida (herein Ampelocrinoida), as recognized on the basis of the muscular articulation of the arms and zyzygial brachial articulation among other characters to include the Paleozoic articulates. The critical morphologic character characteristic of the Paleozoic articulates is the muscular trifascial articulation of the radial facets and higher articulations accompanied by the zyzygial articulation of paired brachials in the arms. These two characters are typical of all Paleozoic articulates. Although not accepted by all crinoid specialists the recognition of the articulates in the Paleozoic is herein recognized based on the recognition of an Early Permian articulate assigned to the isocrinids by Webster and Jell (1999b) and articulate brachials with trifascial muscular facets reported from the Permian of Oman (Webster et al., 2009).

Webster and Jell (1999b) orphaned several genera previously assigned to the Ampelocrinidae and Cymbiocrinidae. The Family Aesiocrinidae is based on *Aesiocrinus* following Webster and Maples (2008). Genera they assigned to the Aesiocrinidae are: *Aesiocrinus*, *Lecobasicrinus*, *Paracymbiocrinus*, and *Polusocrinus*. In addition, *Adacrinus*, *Kansacrinus*, and *Sardinocrinus* may belong to the Ampelocrinidae and all three genera are considered to possibly be synonyms of *Oklahomacrinus*. *Arroyocrinus*

is thought to be derived from *Ulrichocrinus* and *Woodocrinus* and all are judged to be advanced bluthrocrinids. The other four genera, *Aenigmocrinus*, *Armenocrinus*, *Proallosocrinus*, and *Proampelocrinus*, were tentatively left as Cladids, family uncertain.

*Logocrinus*, assigned to the Order Ampelocrinida, Family Corythocrinidae, has syzygial paired brachials, although it lacks entoneural canals (personal communication from George McIntosh, 2000) that are present on most Paleozoic articulates. *Logocrinus* is considered the progenitor of the articulate crinoids and was probably derived from the Glossocrinidae.

Following the author citations for each genus is a count of the currently recognized species assigned to the genus based on cups or crowns. This count does not include taxa listed as sp. aff., cf., n. sp., or questionably (?). It does include species that are questionably assigned to the genus. This count shows how continuous or discontinuous the species stratigraphic range is through the stratigraphic range of the genus, where stratigraphic gaps occur and the diversity where multiple species are recognized within a single series or multiple series. These figures must be used with caution because the taxon typically occurs at one or more horizons, not throughout the entire time of the series. They also may indicate species that need to be looked at for evolutionary lineages or in need of revision.

Use of the columnal symbol ( $\emptyset$ ) in this index section indicates the identification or name was initially based on columnals, prior to the discovery of cups or crowns. It is also applied to columnal specimens that have been considered to be correctly assigned to the taxon based on cups or crowns.

In general, I have tried to cite the names applied to specimens as identified by the various authors. However, in some instances they are obviously incorrect because the species has been transferred to another genus as part of a revision or with the naming of new genera. These entries are then shown as transferred to the genus to which they have been reassigned. This does not mean that I accept all the revisions or reassignments, indeed, I consider some of them open for future investigations and others in current need of revision.

Ages of taxa generally follow that of the IUGS International Stratigraphic chart (2010) as assigned by the various authors, however, some are corrected to newer international series and stages especially for the Ordovician, Devonian, Mississippian, and Permian. Where the international series names are added I have left the earlier series applied by the original authors in parentheses after the international designation. In many instances the earlier series assignment may not be for the full time interval of the newer series, or it may be incorrect as shown by other paleontological data. These changes are a time consuming correction task, however, I hope to make them for the other geologic periods in future revisions of the index as time permits. The time term changes are somewhat discouraging to make because numerous boundaries are not defined and ratified by the IUGS. Some previously defined boundaries are being reconsidered because of identified problems that have been shown to be present in the time or geographic range of the previously accepted taxon for defining the boundary. Refinement of all boundaries is needed for better correlation and establishment of evolutionary lineages among other applications. Thus, the time terms applied herein must be considered as tentative and correctable as required with future changes.

The proposed number of crinoid genera per year (Appendix 2) shows a pattern similar to that of the number of publications through the past 250 years. That is, there generally are increasing numbers of taxa proposed with the greater

number of publications (compare Tables 1 and 2 and Appendices 1 and 2). Although it is beyond the scope of this compilation, if the number of publications of specific authors is compared to the number of genera that they named and the years of their publications some decades could be referred to as the decades of certain authors because they named most of the taxa introduced during those years (i.e. 1840s, 1850s, and 1860s are the decades of J. Hall and the 1910s and 1920s are the decades of J. Wanner). During the past 60 years there have been more individuals working on crinoids and each of the past six decades has had several authors responsible for most of the new genera designated, although one or two authors tend to be the biggest namers in each decade.

The number of named species recognized is given for each genus. These will change as investigation of the crinoids continue with the identification of new species and transfer of species to other genera. However, it is possible to use the information at present for paleogeographic and evolutionary studies as well as in searches for specific stratigraphic information. They may also suggest genera in need of systematic revision.

The breakup of the Soviet Union required correcting the country for the locality information. This has been done throughout. Today's Russian federation countries are left as Russia, followed by the associated state or a geographic region.

More detailed stratigraphic information is needed for each species and should be added in future revisions. It would also be informative to add paleoenvironmental information for each taxon in the future.

Appreciation is extended to everyone who has sent me reprints, pdfs, etc. of their publications. Also, I have especially appreciated notice of papers in state surveys, geological association publications, field excursions, etc. These publications are quite important, but are rarely included in the indexing services. Without the help of the librarians and interlibrary loan staff of Washington State University this compilation would be less complete. My grateful appreciation is extended to all of them.

	Cups and Crowns		Columnals	
	No. Introduced	No. Rejected	No. Introduced	No. Rejected
1999-09	101		18	
1990-99	77	1	37	
1980-89	133		87	12
1970-79	77	20	77	3
1960-69	106	17	102	13
1950-59	46	6	9	37
1940-49	94	6		
1930-39	75	32	11	4
1920-29	80	12	1	
1910-19	69	19		1
1900-09	23	9	1	
1890-99	44	23	1	
1880-89	35	10		
1870-79	25	12	1	
1860-69	40	14	4	
1850-59	47	28	2	1
1840-49	29	16	1	
1830-39	12	3	1	
1820-29	5	2	1	
1810-19	2	1	1	3
1770- 1809				
1760-69			3	1
Totals	1,120	231	340	75

Table 2. Number of crinoid genera introduced and rejected for 10 year intervals, 1760-2010. Rejections are for the year the genus was introduced.

**Index:**

**AACOCRINUS** Bowsher, 1955. \**A. nododorsatus* Bowsher, 1955.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea,  
F. Actinocrinitidae

Bowsher, 1955b. p. 3, Pl. 1, figs. 2-3; Figs. 1-2. Brower, 1967, p. 681. Webster,  
1973, p. 29. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 25. Bowsher  
*in* Moore and Teichert, 1978, p. T455. Webster, 1986, p. 40. Webster and  
Lane,  
1987, p. 11. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 19.

LeMenn,

2009, p. 468, Fig. 7.24, no. e.

Named, currently recognized species based on cups or crowns: 13 species. 11

Mississippian, Tournaisian; 2 Pennsylvanian, Bashkirian

Mississippian, Tournaisian (middle Kinderhookian - early Osagean). United States  
Pennsylvanian, middle Bashkirian. Algeria

*Aacocrinus acylus* Webster and Jell, 1999a. p. 246, Fig. 4, nos. A-C.

Mississippian, Tournaisian or possibly Viséan, Tellebang Limestone. Australia,  
Queensland

*Aacocrinus algeriaensis* Webster et al., 2004, p. 24, Pl. 4, figs. 1-5.

Pennsylvanian, middle Bashkirian, Hassi Kerma Formation. Algeria

*Aacocrinus algeriaensis?* Webster et al., 2004, p. 24.

Pennsylvanian, middle Bashkirian, Hassi Kerma Formation. Algeria

*Aacocrinus arrosus* (Miller, 1892) = *Cactocrinus arrosus*

*Aacocrinus boonensis* (Peck and Keyte, 1938). Bowsher, 1955b, p. 5. Brower, 1967,  
p. 686, Pl. 75, figs. 4, 5, 7-9; Fig. 3, no. B. Webster, 1973, p. 29.

*Actinocrinus boonensis* Peck and Keyte, 1938, p. 89, Pl. 28, figs. 21-22. Bowsher,  
1955b, p. 5. Webster, 1973, p. 29.

*Actinocrinites boonensis* (Peck and Keyte, 1938). Bassler and Moodey, 1943, p.  
268. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 12. Laudon, 1948, Pl. 3.  
Webster, 1973, p. 29.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone; Compton  
Limestone. United States, Missouri

*Aacocrinus chouteauensis* (Miller, 1892). Bowsher, 1955b, p. 5. Brower, 1967, p. 693,  
Pl. 75, figs. 2-3, 6; Figs. 5C-E. Laudon, 1973b, p. 27, Fig. 1. Webster, 1973, p.  
29. Webster, 1977, p. 25.

*Actinocrinus chouteauensis* Miller, S. A., 1892a, p. 672, Figs. 1203-1205. Miller, S.  
A., 1892b, p. 272 (adv. pub.). Miller, S. A., 1894, p. 272, Pl. 3, figs. 9-11.

Wachsmuth and Springer, 1897, p. 570, Pl. 46, figs. 11a-11b. Weller, S., 1898c,  
p. 57. Peck and Keyte, 1938, p. 81, Pl. 27, figs. 16-17. Bassler and Moodey.

1943, p. 268.

*Actinocrinites chouteauensis* (Miller, 1892). Bassler and Moodey, 1943, p. 268.

Branson, E. B., 1944, p. 210, Pl. 38, figs. 16-17. Webster, 1977, p. 25.

*Actinocrinus? chouteauensis* Miller, 1892c, p. 18, Pl. 3, figs. 9-11. Bowsher, 1955b, p. 5. Webster, 1973, p. 29.

?*Dorycrinus chouteauensis* (Miller, 1892). Keyes, 1894a, p. 169. Weller, S., 1898c, p. 237.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone; Compton Limestone. United States, Missouri

*Aacocrinus enigmaticus* Webster and Lane, 1987, p. 15, Fig. 5, nos. 12-16.

Webster, 1993, p. 19.

Mississippian, Tournaisian (early Osagean), lower part of Anchor Limestone. United States, Nevada

*Aacocrinus milleri* (Peck and Keyte, 1938) = *Aacocrinus sampsoni*

\**Aacocrinus nododorsatus* Bowsher, 1955b, p. 5, Pl. 1, figs. 2-3; Figs. 1-2. Brower, 1967, p. 685, Pl. 76, figs. 12, 15-16; Figs. 1, nos. A, D; 3, no. A. Webster, 1973, p. 29. Ubaghs in Moore and Teichert, 1978, p. T169, Fig. 140, no. 4. Bowsher in Moore and Teichert, 1978, p. T455, Fig. 262, no. 1. Webster, 1986, p. 40.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone; Compton Limestone. United States, Missouri

*Aacocrinus protuberoarmatus* Brower, 1967, p. 689, Pl. 75, fig. 1; Fig. 3, no. E.

Webster, 1973, p. 29.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone; Compton Limestone. United States, Missouri

*Aacocrinus sampsoni* (Miller and Gurley, 1895). Bowsher, 1955b, p. 7. Brower, 1967, p. 685, Pls. 76, fig. 10; 78, figs. 12-16; Fig. 3, no. D. Webster, 1973, p. 29.

*Melocrinus sampsoni* Miller and Gurley, 1895b, p. 55, Pl. 2, figs. 27-29. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 348. Wilson, H. E., 1916, p. 5, Pl. 2, fig. 8. Bassler and Moodey, 1943, p. 271. Bowsher, 1955b, p. 7. Webster, 1973, p. 29.

*Aacocrinus milleri* (Peck and Keyte, 1938). Bowsher, 1955b, p. 5. Webster, 1973, p. 29. Brower, 1967, p. 685.

*Actinocrinus milleri* Peck and Keyte, 1938, p. 83, Pl. 27, figs. 14-15. Bassler and Moodey, 1943, p. 271. Bowsher, 1955b, p. 5. Webster, 1973, p. 29.

*Actinocrinites milleri* (Peck and Keyte, 1938). Bassler and Moodey, 1943, p. 271. Branson, E. B., 1944, p. 210, Pl. 38, figs. 14-15. Webster, 1973, p. 29.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Aacocrinus senectus* (Miller and Gurley, 1897). Bowsher, 1955b, p. 7. Brower, 1967, p. 685, Pl. 76, figs. 1-8; Fig. 3, nos. F-L. Webster, 1973, p. 29.

*Actinocrinus senectus* Miller and Gurley, 1897, p. 36, Pl. 2, figs. 23-25. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 63. Peck and Keyte, 1938, p. 85, Pl. 27, figs.

- 12-13. Bassler and Moodey, 1943, p. 274. Bowsher, 1955b, p. 7. Webster, 1973, p. 29.  
*Actinocrinites senectus* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 274. Branson, E. B., 1944, p. 210, Pl. 38, figs. 12-13. Webster, 1973, p. 29.  
 Mississippian, Tournaisian (Kinderhookian), Compton Limestone; Compton-Sedalia transition beds. United States, Missouri
- Aacocrinus spinosulus* (Miller and Gurley, 1893). Bowsher, 1955b, p. 7. Brower, 1967, p. 692. Webster, 1973, p. 29.  
*Blairocrinus spinosulus* Miller and Gurley, 1893, p. 28, Pl. 7, figs. 16-18. Miller, S. A., 1897, p. 740. Bassler and Moodey, 1943, p. 274. Bowsher, 1955b, p. 7. Webster, 1973, p. 29.  
*Blairocrinus spinulosus* Miller and Gurley, 1893. Weller, A., 1989c, p. 149 (sic).  
*Actinocrinus spinulosus* (Miller and Gurley, 1893). Peck and Keyte, 1938, p. 88, Pl. 28, figs. 23-25.  
*Actinocrinites spinulosus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 274. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 13.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Formation; Compton Limestone. United States, Missouri
- Aacocrinus tetradactylus* Brower, 1967, p. 695, Pls. 75, fig. 11; 77, figs. 15, 17, 19; 78, fig. 18. Figs. 1, nos. B, E; 5, nos. A-B. Webster, 1973, p. 30.  
 Mississippian, Tournaisian (Kinderhookian), Sedalia Limestone. United States, Missouri
- Aacocrinus triarmatus* Brower, 1967, p. 690, Pl. 78, figs. 17, 19; Fig. 4. Webster, 1973, p. 30.  
 Mississippian, Tournaisian (Kinderhookian), McCraney Limestone. United States, Missouri
- Aacocrinus* sp. 1 Webster and Jell, 1999a, p. 246, Figs. 5, nos. A-G; 6, nos. B-H.  
 Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland
- Aacocrinus* sp. Brower, 1967, p. 689, Pl. 76, figs. 11, 13-14, 17; Fig. 3, no. C.  
 Webster, 1973, p. 30.  
 Mississippian, Tournaisian (early Osagean), St. Joe Formation. United States, Oklahoma
- AAGLAOCRINUS** Webster, 1981. \**Ethelocrinus expansus* Strimple, 1938.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea F.  
 Cromyocrinidae Named, currently recognized species:  
 Webster, 1981, p. 1185, Fig. 1. Webster, 1988, p. 26.  
 Named, currently recognized species based on cups or crowns: 6 Pennsylvanian species; 2 Atokan, 1 Atokan - Virgillian, 1 Desmoinesian, 2 Missourian Middle - Late Pennsylvanian, Atokan - Virgillian. United States
- Aaglaocrinus bowsheri* Webster and Kues, 2006, p. 11, Figs. 7.1-7.10.  
 Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico

- Aaglaocrinus cranei* (Strimple, 1971). Webster, 1981, p. 1186. Webster, 1988, p. 26.  
*Aaglaocrinus cranei* Strimple, 1971c, p. 999, Pl. 123, figs. 6-7. Pabian and Strimple, 1974b, p. 30, Fig. 12, nos. 1-4. Webster, 1977, p. 34. Webster, 1981, p. 1198. Webster, 1986, p. 50. Webster, 1988, p. 26.  
 Pennsylvanian, Atokan – Virgilian, Vinland Shale; Coal Creek Limestone. United States, Kansas, Iowa
- \**Aaglaocrinus expansus* (Strimple, 1938). Webster, 1981, p. 1185. Webster, 1988, p. 26.  
*Ethelocrinus expansus* Strimple, 1938, p. 11, Pl. 2, figs. 8, 11. Bassler and Moodey, 1943, p. 461. Strimple, 1959a, p. 127, Pl. 2, figs. 8, 11 (*non* Pl. 2, fig. 10, as given on p. 127). Webster, 1973, p. 196.  
*Aaglaocrinus expansus* (Strimple, 1938). Strimple, 1961g, p. 86. Strimple, 1971b, p. 80, Fig. 1, nos. F-G. Webster, 1973, p. 196. Webster, 1977, p. 34. Webster, 1981, p. 1185. Webster, 1988, p. 26.  
*Parethelocrinus expansus* (Strimple, 1938). Webster, 1973, p. 196. Pabian and Strimple, 1980a, p. 162, Fig. 4, nos. A-C, G-I. Webster, 1986, p. 239.  
 Pennsylvanian, Missourian, Wann Formation; Argentine Limestone; Plattsburg Limestone. United States, Oklahoma, Iowa, Nebraska
- Aaglaocrinus keytei* (Strimple and Moore, 1973). Webster, 1981, p. 1186. Webster, 1988, p. 26. Webster and Houck, 1998, p. 1060, Figs. 4.1-4.9, 4.29.  
*Aaglaocrinus keytei* Strimple and Moore, 1973b, p. 13, Fig. 9, nos. 7-9. Webster, 1977, p. 34. Webster, 1981, p. 1198. Webster, 1988, p. 26.  
 Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado
- Aaglaocrinus sphaeri* (Strimple, 1949). Webster, 1981, p. 1186. Webster, 1988, p. 26.  
*Ethelocrinus sphaeri* Strimple, 1949d, p. 10, Pl. 1, figs. 4-6, 9. Webster, 1973, p. 125. Webster, 1981, p. 1198. Webster, 1988, p. 26.  
 Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma
- Aaglaocrinus supplantus* (Pabian and Strimple, 1974). Webster, 1981, p. 1186. Webster, 1988, p. 26.  
*Aaglaocrinus supplantus* Pabian and Strimple, 1974b, p. 10, Fig. 4, nos. 5-7. Webster, 1981, p. 1198. Webster, 1986, p. 50. Webster, 1988, p. 26.  
 Pennsylvanian, Missourian, Hogshooter Formation. United States, Kansas
- Aaglaocrinus* n. sp. undesignated Webster and Kues, 2006, p. 12, Figs. 7.11-7.13.  
 Pennsylvanian, Atokan, Flechado Formation. United States, New Mexico
- AATOCRINUS** Moore and Plummer, 1940. \**Zeacrinus? robustus* Beede, 1900.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae  
 Moore and Plummer, 1940, p. 213. Bassler and Moodey, 1943, p. 261. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 163. Knapp, 1969, p. 374, Fig. 2. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 18. Webster, 1973, p. 330. Webster, 1977, p. 25. Moore and Strimple *in* Moore and



- Teichert, 1978, p. T724. Webster, 1986, p. 40.  
 Named, currently recognized species based on cups or crowns: 7 species. 6  
 Pennsylvanian, 1 Atokan-Desmoinesian, 2 Desmoinesian, 3 Missourian; 1  
 Permian, Wolfcampian  
 Pennsylvanian, Atokan - Permian, middle Wolfcampian. United States
- Aatocrinus caviumbilicatus* Moore and Plummer, 1940, p. 215, Pl. 7, figs. 2-3; Fig. 46.  
 Bassler and Moodey, 1943, p. 261. Knapp, 1969, p. 374. Webster, 1977, p. 25.  
 Pennsylvanian, Missourian, Mineral Wells Formation. United States, Texas
- Aatocrinus hexagonus* (Strimple, 1952). Knapp, 1969, p. 374. Webster, 1977, p. 25.  
*Perimestocrinus hexagonus* Strimple, 1952e, p. 785, Pls. 112, figs. 1-3; 113, figs. 1-  
 7. Strimple, 1961g, p. 39. Knapp, 1969, p. 374. Webster, 1973, p. 243. Webster,  
 1977, p. 25.  
*Stenopecrinus hexagonus* (Strimple, 1952). Strimple, 1961g, p. 40. Webster, 1973,  
 p. 243. Pabian and Strimple, 1980a, p. 180, Fig. 5, nos. I-J. Webster, 1986, p.  
 289. Lewis and Strimple, 1990, p. 297, Fig. 3, nos. 11, 15-16.  
*Stenopecrinus hexagonarus* (Strimple, 1952). Strimple and Boardman, 1971a, p.  
 30, Fig. 12, nos. 1-2.  
*Stenopecrinus hexagonarius* (Strimple, 1952). Webster, 1977, p. 160.  
 Pennsylvanian, Missourian, Wann Formation; Argentine Limestone; Iola Limestone.  
 United States, Oklahoma, Iowa, Kansas
- Aatocrinus mooresi* (Whitfield, 1882). Moore and Laudon, 1944, p. 163, Pl. 63, fig. 10.  
 Webster, 1973, p. 30.  
*Zeacrinus mooresi* Whitfield, 1882c, p. 227. Whitfield, 1891, p. 597, Pl. 15, figs. 6-  
 10. Whitfield, 1893a, p. 483, Pl. 11, figs. 6-10. Miller, S. A., 1897, p. 755. Weller,  
 S., 1898, p. 265. Bassler and Moodey, 1943, p. 633. Strimple, 1969d, p. 12,  
 Figs.  
 4, nos. 3-7, 11-15; 5, nos. 1-3, 7. Webster, 1973, p. 30. Webster, 1977, p. 141.  
*Zeacrinus moorii* Whitfield, 1882. Miller, S. A., 1889, p. 288 (sic).  
*Eupachycrinus mooresi* (Whitfield, 1882). Weller, S., 1898c, p. 265. Grabau and  
 Shimer, 1910, p. 513, Fig. 1828, nos. b-f. Bassler and Moodey, 1943, p. 633.  
 La Rocque and Marple, 1955, p. 119, Fig. 348. Webster, 1973, p. 217.  
*Plaxocrinus mooresi* (Whitfield, 1882). Moore and Plummer, 1940, p. 77. Bassler  
 and Moodey, 1943, p. 633. Burke, 1967b, p. 298, 3 Unnum. Figs. Strimple,  
 1969d, p. 12, Figs. 4, nos. 3-7, 11-15; 5, nos. 1-3, 7. Webster, 1973, p. 217.  
 Webster, 1977, p. 141. Ausich, 1996b, p. 249, Fig. 17-7, nos. 6-7. 9-10, 17.  
 Pennsylvanian, Atokan - Desmoinesian, Bogs Limestone; McArthur Limestone;  
 Mercer Formation; Cherokee Group, Savanna Formation, lower part of  
 Cambridge Limestone; Allegheny Group, Putnam Hill Limestone. United States,  
 Ohio, Kansas, Oklahoma, West Virginia
- Aatocrinus mucrospinus* (McChesney, 1860). Moore and Plummer, 1940, p. 71.  
 Bassler and Moodey, 1943, p. 261. Moore and Laudon, 1944, p. 163, Pl. 63, fig.  
 3. Webster, 1973, p. 30.  
*Zeacrinus mucrospinus* McChesney, 1860, p. 10. McChesney, 1865, Pl. 4, figs. 7a-  
 7b. McChesney, 1868, p. 7, Pl. 4, figs. 7a-7b. Shumard, 1868, p. 399. Miller, S.

A., 1889, p. 288. Lesley, 1889, p. 1281, Figs. 12a-12b. Weller, S., 1898c, p. 310. *Poteriocrinites (Zeacrinus) mucrospinus* (McChesney, 1860). Meek and Worthen, 1873, p. 563, Pl. 24, fig. 10.

*Hydreionocrinus mucrospinus* (McChesney, 1860). Miller, S. A., 1889, p. 256.

Weller, S., 1898c, p. 310. Plummer and Moore, 1921, p. 79, Pl. 13, figs. 2, 5. *Hydreionocrinus mucrospinus* (McChesney, 1860). Smith, J. P., 1897, p. 26.

Weller, S., 1898c, p. 310.

*Zeacrinus mucrospinus* McChesney, 1860. Meek, 1874, p. 485 (sic).

*Actinocrinus* sp. Geinitz, 1867a, p. 64, Pl. 4, figs. 29a-29b. Weller, S., 1898c, p. 310.

Pennsylvanian, Desmoinesian, Des Moines Formation; Strawn Formation; Mahoning Sandstone; Green crinoidal limestone of Pittsburgh barren measures. United States, Illinois, Texas, Nebraska, West Virginia, Pennsylvania

*Aatocrinus patulus* (Girty, 1911). Moore and Plummer, 1940, p. 71. Bassler and Moodey, 1943, p. 261. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 4. Knapp, 1969, p. 374. Webster, 1973, p. 30. Webster, 1977, p. 25.

*Hydreionocrinus patulus* Girty, 1911, p. 123. Girty, 1915a, p. 36, Pl. 3, figs. 13-13b. Plummer and Moore, 1921, p. 213.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Aatocrinus permicus* Webster and Lane, 1967, p. 27, Pl. 5, figs. 7-8. Webster, 1973, p. 30.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

\**Aatocrinus robustus* (Beede, 1900). Moore and Plummer, 1940, p. 213. Bassler and Moodey, 1943, p. 261. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 21; 63, fig. 11. Knapp, 1969, p. 374, Fig. 33. Webster, 1973, p. 30. Webster, 1977, p. 25. Moore and Strimple *in* Moore and Teichert, 1978, p. T726, Figs. 436, no. 4; 479, no. 3. Webster, 1986, p. 40.

*Zeacrinus? robustus* Beede, 1900b, p. 22, Pl. 5, figs. 1-1a. Bassler and Moodey, 1943, p. 261.

Pennsylvanian, Missourian. United States, Missouri

*Aatocrinus* sp. Devonshire, 1954, Pl. 3, fig. 7. Devonshire, 1955, Pl. 3, fig. 7. Webster, 1977, p. 25.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

**ABACOCRINUS** Angelin, 1878. \**Actinocrinites tesseracontadactylus* Goldfuss, 1831. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F. Abacocrinidae

Angelin, 1878, p. 19. Zittel, 1880, p. 345, 373. Wachsmuth and Springer, 1881, p. 133 (307). Wachsmuth and Springer, 1885, p. 106 (328). Zittel, 1895, p. 132. Wachsmuth and Springer, 1897, p. 363. Bather *in* Lankester, 1900, p. 165. Wachsmuth *in* Zittel, 1900, p. 144. Springer, 1913, p. 194. Abel, 1924, p. 275. Bassler, 1938, p. 31. Bassler and Moodey, 1943, p. 261. Moore and Laudon,

1943b, p. 92. Ubaghs, 1953, p. 738, Fig. 56, no. b. Webster, 1973, p. 30.  
 Ubaghs *in* Moore and Teichert, 1978, p. T442. Webster, 1986, p. 40. Webster,  
 1988, p. 26. Simms, 1994b, p.304, Figs. 1, no. G; 2, no G. Simms, 1994c, p.  
 258,  
 Figs. 1, no. G; 3, no. G (plate diagram). Ausich and Copper, 2010, p. 24.  
 Named, currently recognized species based on cups or crowns: 6 Silurian species; 1  
 Llandoveryan, 4 Wenlockian, 1 Late Silurian series not designated  
 Silurian, Wenlockian. Sweden, Germany  
 Silurian, Llandoveryan. Canada, Quebec

*Abacocrinus barrandei* (Waagen and Jahn, 1899) = \**Carolicrinus barrandei*

*Abacocrinus capelleri* Angelin, 1878, p. 19, Pl. 3, figs. 8-8a. Bassler and Moodey,  
 1943, p. 261.

*Encrinus* sp. Capeller, Epistola, and Klein, 1740, p. 13, Fig. 1, nos. a-b.  
 Silurian, Wenlockian. Sweden, Isle of Gotland

*Abacocrinus erraticus* Jaekel, 1918, p. 29, Fig. 21. Abel, 1920, p. 262, Fig. 406. Abel,  
 1924, p. 275, Fig. 406. Bassler and Moodey, 1943, p. 261.

Late Silurian, series not given, diluvium. Germany

*Abacocrinus latus* (Springer, 1928). Ausich and Copper, 2010, p. 25, Pl. 5, figs. 1-4;  
 Figs. 6.2, 7.8-7.9.

*Periechocrinus latus* Springer, 1928, p. 138, Pl. 4, figs. 4-5. Bassler and Moodey,  
 1943, p. 599. Ausich and Copper, 2010, p. 25.

*Periechocrinites latus* (Springer, 1928), Bassler and Moodey, 1943, p. 599. Ausich  
 and Copper, 2010, p. 25.

*Periechocrinites* sp. Bolton, 1972, p. 16. Ausich and Copper, 2010, p. 25.

Silurian, Llandoveryan, Chiacotte Formation. Canada, Quebec, Anticosti Island

*Abacocrinus medius* Angelin, 1878, p. 19, Pl. 24, fig. 1. Bassler and Moodey, 1943, p.  
 262.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Abacocrinus tasseracontadactylus* (Goldfuss, 1831) = *Abacocrinus*  
*tasseracontadactylus*

*Abacocrinus tessellatus* Angelin, 1878, p. 19, Pls. 18, fig. 6; 23, figs. 24-25. Wilson, H.  
 E., 1916, p. 509, Pl. 2, fig. 9. Bassler and Moodey, 1943, p. 262. Hess *in* Hess et  
 al., 1999 p. 83, Fig. 97.

Silurian, Wenlockian, Slite Beds. Sweden, Isle of Gotland

\**Abacocrinus tasseracontadactylus* (Goldfuss, 1831). Angelin, 1878, p. 19, Pls. 18,  
 figs. 2-5; 23, figs. 23-23a. Bassler and Moodey, 1943, p. 262. Ubaghs *in* Moore  
 and Teichert, 1978, p. T159, T165, T442, Figs. 131, no. 3; 137, no. 1; 249, no. 2  
 (typographical error as *A. tasseracontadactylus*, p. 159). Webster, 1986, p. 40.

*Actinocrinites tesseracontadactylus* Goldfuss, 1831, p. 194, Pl. 59, fig. 5. Bronn, 1848, p. 14. Bassler, 1938, p. 31. Bassler and Moodey, 1943, p. 262.  
*Rhodocrinus tesseracontadactylus* (Goldfuss, 1831). Eichwald, 1860, p. 599.  
 Bigsby, 1868, p. 23. Schultze, 1866, p. 57 (adv. pub.). Schultze, 1867, p. 169.  
 Bassler and Moodey, 1943, p. 262.  
*Actinocrinus tesseracontadactylus* Goldfuss, 1831. Bigsby, 1868, p. 196.  
 Silurian, Wenlockian. Sweden, Isle of Gotland

*Abacocrinus* sp. A Ausich and Copper, 2010, p. 25, Pl. 5, fig. 5; Fig. 6.3.  
 Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

*Abacocrinus* sp. B Ausich and Copper, 2010, p. 27, Pl. 5, fig. 6; Fig. 6.4.  
 Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

*Abacocrinus* spp.

Ubaghs *in* Moore and Teichert, 1978, p. T145, Fig. 120, no. 1. Webster, 1986, p. 40.

Late Silurian. Sweden, Isle of Gotland

Ubaghs *in* Moore and Teichert, 1978, p. T159, Fig. 131, no. 2. Webster, 1986, p. 40.

Late Silurian. Sweden, Isle of Gotland

Franzén-Bengtson, 1982, p. 296, Fig. 7, no. A. Webster, 1988, p. 26.

Late Silurian, Hogklint or Slite Beds. Sweden, Isle of Gotland

**ABACTINOCRINITES** Laudon and Severson, 1953 = **ABACTINOCRINUS**

*Abactinocrinites?* sp. Lane, Maples, and Waters, 2001a = *Abactinocrinus?* sp.

**ABACTINOCRINUS** Laudon and Severson, 1953. \**A. rossei* Laudon and Severson, 1953.

Sbc. Camerata, Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea F.  
 Actinocrinitidae

Laudon and Severson, 1953, p. 528. Brower, 1967, p. 679. Webster, 1973, p. 30.

Macurda, 1974, p. 821, Figs. 1-2. Bowsher *in* Moore and Teichert, 1978, p.

T455. Webster, 1986, p. 41. Webster and Lane, 1987, p. 11. Lane and

Sevastopulo, 1987, p. 201. Webster, 1993, p. 19. Waters et al., 2003, p. 937.

*Abactinocrinites* Lane, Maples, and Waters, 2001a, p. 1059 (in error).

Named, currently recognized species based on cups or crowns: 2 species; 1

Devonian, Famennian; 1 Mississippian, Tournaisian

Mississippian, Tournaisian (middle - late Kinderhookian). United States

Devonian, Famennian. Northwestern China

*Abactinocrinus devonicus* Waters et al., 2003, p. 937, Figs. 9, no. 4; 10, no. 1; 12, nos. 6-8.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

\**Abactinocrinus rossei* Laudon and Severson, 1953, p. 529, Pls. 53, figs. 8-10; 55, figs. 22-23. Brower, 1967, p. 680, Fig. 2, no. c. Webster, 1973, p. 30. Bowsher *in* Moore and Teichert, 1978, p. T455, Fig. 262, no. 2. Webster, 1986, p. 41. Mississippian, Tournaisian (middle - late Kinderhookian), Lodgepole Formation. United States, Montana

*Abactinocrinus?* sp.

*Abactinocrinites?* sp. Lane, Maples, and Waters, 2001a, p. 1059, Pl. 4, fig. 7 (not Pl. 3, fig. 7; plate explanations reversed). Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

**ABATHOCRINUS** Strimple, 1963. \**Mariacrinus? rotundus* Springer, 1926.

Sbc. Camerata, O. Monobathrida, Family uncertain

Strimple, 1963d, p. 109. Webster, 1973, p. 30. Ubaghs *in* Moore and Teichert, 1978, p. T504. Webster, 1986, p. 41.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Silurian, Niagaran. United States

\**Abathocrinus rotundus* (Springer, 1926). Strimple, 1963d, p. 110. Webster, 1973, p. 30. Ubaghs *in* Moore and Teichert, 1978, p. T505, Fig. 306, no. 1. Webster, 1986, p. 41.

*Mariacrinus (??) rotundus* Springer, 1926a, p. 29, Pl. 5, figs. 12-12a. Kirk, 1929d, p. 345. Bassler and Moodey, 1943, p. 546.

Silurian, Niagaran, Decatur Limestone. United States, Tennessee

**ABATOCRINUS** Lane, 1963. \**Actinocrinus turbinatus* Hall, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea F. Batocrinidae

Lane, N. G., 1963a, p. 696. Lane, 1963b, p. 925. Webster, 1973, p. 30. Webster, 1977, p. 25. Lane *in* Moore and Teichert, 1978, p. T467. Webster, 1986, p. 41. Lane and Sevastopulo, 1987, p. 204. Webster, 1993, p. 19. Ausich and Kammer, 2010, p. 40.

Named, currently recognized species based on cups or crowns: 24 Mississippian species, 1 subspecies, 2 Tournaisian, 6 Tournaisian – Viséan, 16 Viséan (+1 Viséan subspecies)

Devonian, Frasnian. Germany (Questionable identification, GDW)

Mississippian, Tournaisian – Viséan (late Kinderhookian – Osagean). United States

*Abatocrinus aequalis* (Hall, 1858). Lane, N. G., 1963a, p. 696. Webster, 1973, p. 30.

*Actinocrinus aequalis* Hall, 1858c, p. 592, Pl. 11, figs. 4a-4b; Fig. 90. Shumard, 1868, p. 341. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 321. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 30.

*Actinocrinus (Batocrinus) aequalis* Hall, 1858. Roemer, C. F., 1876, Pl. 40, fig. 5. Frech, 1902, Pl. 40, fig. 5. Bassler and Moodey, 1943, p. 321.

*Batocrinus aequalis* (Hall, 1858). Miller, S. A., 1889, p. 227. Miller, A. S., 1897, p. 735. Wachsmuth and Springer, 1897, p. 371, Pl. 28, figs. 5-6. Weller, S., 1898c,

- p. 123. Schmidt, H., 1929, p. 83, Pl. 20, fig. 13. Bassler and Moodey, 1943, p. 321. Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 47.
- Batocrinus aequalis* Miller and Gurley, 1893, p. 25, Pl. 5, figs. 13-15. Bassler and Moodey, 1943, p. 332.
- Actinocrinus discoideus* Hall, 1858c, p. 594, Pl. 2, fig. 9. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332.
- Actinocrinus discoides* Hall, 1858. Shumard, 1868, p. 343 (sic).
- Batocrinus discoideus* (Hall, 1858). Miller, S. A., 1889, p. 227. Whitfield, 1893b, p. 14, Pl. 1, figs. 19-20. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332.
- Actinocrinus doris* Hall, 1861b, p. 15. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 321.
- Batocrinus doris* (Hall, 1861). Miller, S. A., 1889, p. 227.
- Actinocrinus formosus* Hall, 1859a, p. 30, Unnum. Fig. Shumard, 1868, p. 344. Hall, 1872c, Pl. 3-A, Fig. 1. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 30.
- Batocrinus formosus* (Hall, 1859). Miller, S. A., 1889, p. 228.
- Actinocrinus subaequalis* McChesney, 1860, p. 17. McChesney, 1865, Pl. 5, figs. 7a-7b. McChesney, 1868, p. 13, Pl. 5, figs. 7a-7b; Unnum. Fig. p. 14. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 31.
- Batocrinus subaequalis* (McChesney, 1860). Miller, S. A., 1889, p. 228. Wachsmuth and Springer, 1897, p. 369, Pls. 4, fig. 10; 28, figs. 7-9. Weller, S., 1898c, p. 135. Grabau and Shimer, 1910, p. 541. Bassler and Moodey, 1943, p. 332. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 10. Moore and Laudon, 1944, p. 195, Pl. 75, fig. 5. Laudon, 1948, Pl. 2. Laudon, 1973b, p. 27, Fig. 3. Webster, 1973, p. 66. Webster, 1977, p. 47.
- Abatocrinus subaequalis* (McChesney, 1860). Rose, 1967, p. 24, Pl. 17, fig. 6. Webster, 1977, p. 47. Wolf, 1983, p. 170, Pl. 23, fig. 3. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Iowa, Missouri, Illinois
- Abatocrinus* sp. cf. *A. aequalis* (Hall, 1858). Brower, 1970, p. 514, Pl. 67, figs. 16-18; Figs. 85, nos. A-B. Webster, 1977, p. 26. Mississippian, Viséan (Osagean), Red Wall Limestone, Mooney Falls Member, Thunder Springs Member or Mooney Fall Member. United States, Arizona
- Abatocrinus andrewsianus* (McChesney, 1859). Ausich and Kammer, 2010a, p. 40.
- Azygocrinus andrewsianus* (McChesney, 1860). Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61. Ausich and Kammer, 2010a, p. 41.
- Actinocrinus andrewsianus* McChesney, 1860, p. 27. McChesney, 1865, p. 20, Pls. 5, figs. 5a-5b, 10. McChesney, 1868, p. 20, Pl. 5, fig. 5; Unnum. Fig. Weller, S., 1898c, p. 231. Bassler and Moodey, 1943, p. 428. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Dizygocrinus andrewsianus* (McChesney, 1860). Wachsmuth and Springer, 1897, p. 433, Pl. 29, figs. 2a-2d. Weller, S., 1898c, p. 231. Bassler and Moodey, 1943,

- p. 428.  
*Batocrinus andrewsanus* (McChesney, 1860). Miller, S. A., 1889, p. 227 (sic).  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa
- Abatocrinus asperatus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 40.  
*Batocrinus asperatus* Miller and Gurley, 1896a, p. 12, Pl. 1, figs. 13-14. Miller, S. A.,  
 1897, p. 735. Weller, S. 1898c, p. 123. Bassler and Moodey, 1943, p. 322.  
 Ausich and Kammer, 2010a, p. 40.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Abatocrinus attenuatus* (Hall, 1861). Ausich and Kammer, 2010a, p. 40 (incorrectly  
 cited  
 the species to Rowley, 1900, and incorrectly cited Webster, 2003 as citing  
 Rowley).  
*Actinocrinus matuta* var. *attenuata* Hall, 1861b, p. 14. Shumard, 1868, p. 345.  
 Miller, S. A., 1889, p. 219. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 248.  
 Bassler and Moodey, 1943, p. 455.  
*Eretmocrinus matuta* var. *attenuata* (Hall, 1861). Miller, S. A., 1889, p. 243.  
*Batocrinus attenuatus* (Hall, 1861). Miller, S. A., 1897, p. 735.  
*Eretmocrinus attenuatus* (Hall, 1861). Miller, S. A., 1889, p. 243. Whitfield, 1893b, p.  
 18, Pl. 1, figs. 23-24. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 248.  
 Bassler and Moodey, 1943, p. 455.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa.
- Abatocrinus calvini* (Rowley, 1890) = *Azygocrinus? calvini*
- Abatocrinus cantonensis* (Miller and Gurley, 1890). Ausich and Kammer, 2010a, p. 40.  
*Batocrinus cantonensis* Miller and Gurley, 1890b, p. 36, Pl. 6, fig. 9. Miller and  
 Gurley, 1891, p. 354, Pl. 6, fig. 9. Miller, S. A., 1892a, p. 675. Wachsmuth and  
 Springer, 1897, p. 383, Pl. 27, figs. 7a-7b. Weller, S., 1898c, p. 124. Bassler and  
 Moodey, 1943, p. 323. Ausich and Kammer, 2010a, p. 40.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Abatocrinus clavigerus* (Hall, 1859). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
*Actinocrinus clavigerus* Hall, 1859a, p. 44, Unnum. Fig. Shumard, 1868, p. 343.  
 Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 130. Bassler and Moodey,  
 1943,  
 p. 328. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
*Batocrinus clavigerus* (Hall, 1859). Miller, S. A., 1889, p. 227. Miller, S. A., 1897, p.  
 736.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois
- Abatocrinus clio* (Hall, 1861). Ausich and Kammer, 2010a, p. 40.  
*Actinocrinus clio* Hall, 1861a, p. 262. Hall, 1861b, p. 1. Hall, 1861c, p. 262.  
 Shumard,  
 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 249. Bassler and  
 Moodey, 1943, p. 456.

- Actinocrinus (Eretmocrinus) clio* Hall, 1861. Hall, 1872c, Pl. 4, fig. 7. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456.
- Batocrinus clio* (Hall, 1861). Miller, S. A., 1897, p. 736.
- Eretmocrinus clio* (Hall, 1861). Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 393, Pls. 36, figs. 2a-2b; 37, figs. 9a-9b. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456. Ausich and Kammer, 2010a, p. 41.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Abatocrinus clypeatus* (Hall, 1859). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Ubaghs in Moore and Teichert, 1978, p. T214, Fig. 184, no. 3. Webster, 1986, p. 41.
- Actinocrinus clypeatus* Hall, 1859a, p. 12, Unnum. Fig. Shumard, 1868, p. 343. Hall, 1872c, Pl. 3, fig. 12. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Batocrinus clypeatus* (Hall, 1859). Miller, S. A., 1889, p. 227. Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 5. Wachsmuth and Springer, 1897, p. 380, Pl. 27, figs. 8a-8e. Weller, S., 1898c, p. 125. Grabau and Shimer, 1910, p. 541. Bassler and Moodey, 1943, p. 323. Laudon, 1973b, p. 27, Figs. 3-4. Haugh, 1975a, p. 484, Pl. 5, fig. 5. Haugh, , p. 267, Figs. 5, no. 1; 6, no. 7. Webster, 1977, p. 47. Webster, 1986, p. 76.
- Actinocrinus inornatus* Hall, 1859a, p. 24. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323.
- Batocrinus inornatus* (Hall, 1859). Miller, S. A., 1889, p. 228. Whitfield, 1893b, p. 15, Pl. 2, figs. 1-3. Wachsmuth and Springer, 1897, p. 380, Pl. 5, fig. 17. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323.
- Actinocrinus papillatus* Hall, 1859a, p. 29, Unnum. Fig. Shumard, 1868, p. 346. Hall, 1872c, Pl. 3-A, figs. 10-11. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323.
- Batocrinus papillatus* (Hall, 1859). Miller, S. A., 1889, p. 228.
- Batocrinus aspratilis* Miller and Gurley, 1893, p. 21, Pl. 5, figs. 4-6. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323.
- Batocrinus comparilis* Miller, S. A., 1892a, p. 675. Miller, S. A. 1892c, p. 32, Pl. 5, figs. 18-20. Miller, S. A., 1894, p. 286, Pl. 5, figs. 18-19. Weller, S., 1898c, p. 125.
- Batocrinus quasillus* Meek and Worthen, 1868b, p. 351. Meek and Worthen, 1873, p. 367, Pl. 5, figs. 2a-2b. Miller, S. A., 1889, p. 228. Wachsmuth and Springer, 1897, p. 372, Pl. 28, figs. 4a-4b. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Lane, 1963a, p. 697. Webster, 1973, p. 31.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Iowa, Missouri
- Abatocrinus curiosus* (Rowley, 1908). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.



- Batocrinus curiosus* Rowley, R. R., 1908, p. 98, Pl. 20, figs. 13-14 (*non* Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 324. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Abatocrinus dubius* (Rowley, 1902). Ausich and Kammer, 2010a, p. 40.  
*Uperocrinus dubius* (Rowley, 1902). Bassler and Moodey, 1943, p. 720. Ausich and Kammer, 2010a, p. 41.  
*Lobocrinus dubius* Rowley, R. R., 1902b, p. 306, Pl. 18, fig. 11. Bassler and Moodey, 1943, p. 720.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Abatocrinus dubius pustulosus* (Rowley, 1902). Ausich and Kammer, 2010a, p. 40.  
*Uperocrinus dubius pustulosus* (Rowley, 1902). Bassler and Moodey, 1943, p. 720. Ausich and Kammer, 2010a, p. 41.  
*Lobocrinus dubius var. pustulosus* Rowley, R. R., 1902b, p. 307, Pl. 18, fig. 12. Bassler and Moodey, 1943, p. 720.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Abatocrinus grandis* (Lyon and Casseday, 1859). Lane, N. G., 1963a, p. 697. Van Sant *in* Van Sant and Lane, 1964, p. 108, Pl. 7, figs. 5-8; Figs. 17, no. 1; 19, no. 4; 36. Webster, 1973, p. 31. Haugh, 1978, p. 147, Figs. 3; 5; 15, no. E; 17, no. A. Ubaghs *in* Moore and Teichert, 1978, p. T136, Figs. 106, no. 1. Webster, 1986, p. 40. Baumiller and Ausich, 1996, p. 54, Fig. 9, no. A. Ausich *in* Hess et al., 1999 p. 145, Fig. 154. Kammer and Ausich, 2006, p. 240, Fig. 2, no. A. Ausich, 2009a, p. 486, suppl. p. 1.  
*Actinocrinus sp. nobis (grandis)* Lyon and Casseday, 1859, p. 240. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Batocrinus grandis* (Lyon and Casseday, 1859). Wachsmuth and Springer, 1897, p. 381, Pls. 1, fig. 2; 27, figs. 1a- 2b. Weller, S., 1898c, p. 127. Wood, E., 1909, p. 63, Pl. 15, fig. 11. Bassler and Moodey, 1943, p. 325. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 9. Laudon, 1973b, p. 27, Fig. 3. Webster, 1973, p. 31. Webster, 1977, p. 47.
- Actinocrinites urna* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Bassler and Moodey, 1943, p. 325.
- Actinocrinus urna* (Troost, 1850). Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220.
- Actinocrinus wachsmuthi* White, C. A., 1880c, p. 162, Pl. 40, fig. 10b. White, C. A., 1881a, p. 510, Pl. 7, fig. 6. White, C. A., 1881b, p. 142, Pl. 7, fig. 6. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325.
- Batocrinus wachsmuthi* (White, 1880). Miller, S. A., 1889, p. 228. Moore and Laudon, 1944, p. 195, Pl. 75, fig. 6. Laudon, 1948, Pl. 2. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
Mississippian, Viséan (Osagean), Keokuk Formation; Edwardsville Formation;

Borden Group; Fort Payne Chert; Muldrough Formation. United States, Iowa, Indiana, Kentucky, Tennessee

- Abatocrinus honorabilis* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 40.  
*Batocrinus honorabilis* Miller and Gurley, 1895a, p. 10, Pl. 1, figs. 9-10. Miller, S. A., 1897, p. 736, Fig. 1309. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325. Ausich and Kammer, 2010a, p. 40.  
 Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Tennessee, Kentucky
- Abatocrinus insolitus* (Rowley, 1902). Bassler and Moodey, 1943, p. 720. Ausich and Kammer, 2010a, p. 40.  
*Lobocrinus insolitus* Rowley, 1902b, p. 307, Pl. 18, fig. 13. Bassler and Moodey, 1943, p. 720. Ausich and Kammer, 2010a, p. 40.  
*Uperocrinus insolitus* (Rowley, 1902). Bassler and Moodey, 1943, p. 720. Ausich and Kammer, 2010a, p. 40.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Abatocrinus laura* (Hall, 1861) = *Uperocrinus laura*
- Abatocrinus lepidus* (Hall, 1859) = *Eutrochocrinus lepidus*
- Abatocrinus macbridei* (Wachsmuth and Springer in Miller, 1889). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Ausich in Hess et al., 1999 p. 135, Fig. 142, no. G.  
*Batocrinus macbridei* Wachsmuth and Springer in Miller, 1889, p. 228, Fig. 253.  
 Wachsmuth and Springer, 1890a, p. 172, Pls. 15, fig. 4; 17, figs. 11-12.  
 Wachsmuth and Springer, 1897, p. 376, Pl. 30, figs. 1-3. Weller, S., 1898c, p. 129. Laudon and Beane, 1837, p. 244, Pl. 15, figs. 13-14. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Webster, 1977, p. 47. Brett, 1981b, p. 361, Fig. 7, no. G. Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1988, p. 43.  
*Batrocrinus macbridei* Wachsmuth and Springer in Miller, 1889. Boyt, 1962, Unnum. Fig. p. 17.  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Hampton Formation, Maynes Creek Member; Edwardsville Formation. United States, Iowa, Indiana
- Abatocrinus minor* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2010a, p. 40.  
*Eretmocrinus minor* Wachsmuth and Springer, 1897, p. 391, Pl. 36, figs. 10a-10b. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457. Ausich and Kammer, 2010a, p. 41.  
*Batocrinus minor* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 737.  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; upper part of Burlington Limestone. United States, Iowa, Missouri

- Abatocrinus pistillus* (Meek and Worthen, 1865). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Actinocrinus pistillus* Meek and Worthen, 1865c, p. 152. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 329. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Actinocrinus (Batocrinus) pistillus* Meek and Worthen, 1868c, p. 472, Pl. 16, figs. 4a-4b. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 329.
- Batocrinus pistillus* (Meek and Worthen, 1865). Wachsmuth and Springer, 1897, p. 378, Pl. 31, figs. 4a-4b. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 329. Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 47.
- Batocrinus pistillum* Meek and Worthen, 1865. Miller, S. A., 1889, p. 228.
- Batocrinus pistiliformis* Rowley, R. R., 1889, p. 276, unfig. (in error for *B. pistillus*). Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chateau Limestone, upper part of Burlington Limestone. United States, Missouri, Iowa
- Abatocrinus poculum* (Miller and Gurley, 1890). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Batocrinus poculum* Miller and Gurley, 1890a, p. 34, Pl. 6, fig. 6. Miller and Gurley, 1891, p. 352, Pl. 6, figs. 6-7 (1889). Miller, S. A., 1892a, p. 675. Wachsmuth and Springer, 1897, p. 378, Pl. 30, fig. 6. Weller, S., 1898c, p. 129. Laudon and Beane, 1937, p. 244, Pl. 15, fig. 15. Bassler and Moodey, 1943, p. 329. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Abatocrinus remotus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 40.
- Batocrinus remotus* Miller and Gurley, 1896b, p. 43, Pl. 2, figs. 15-17. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Ausich and Kammer, 2010a, p. 41.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa, Missouri
- Abatocrinus rotadentatus* (Rowley and Hare, 1891) = *Eretmocrinus rotadentatus*
- Abatocrinus saccellus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 40.
- Batocrinus saccellus* Miller and Gurley, 1896c, p. 40, Pl. 2, figs. 9-11. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Abatocrinus springeranus* (Bassler, 1925). Ausich and Kammer, 2010a, p. 40.
- Batocrinus springeranus* Bassler, 1925, p. 18, Fig. 26. Bassler and Moodey, 1943, p. 331. Ausich and Kammer, 2010a, p. 40.
- Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Tennessee
- Abatocrinus steropes* (Hall, 1859). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32. Ausich, 2009a, p. 486, suppl. p. 2.
- Actinocrinus steropes* Hall, 1859a, p. 43. Shumard, 1868, p. 348. Miller, S. A.,

- 1889, p. 220. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 331. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Batocrinus steropes* (Hall, 1859). Wachsmuth and Springer, 1881, p. 168 (342). Miller, S. A., 1889, p. 228. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 331.
- Actinocrinites gibbosus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Bassler and Moodey, 1943, p. 325. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Actinocrinus gibbosus* Troost, 1850. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218.
- Batocrinus gibbosus* (Troost, 1909). Wood, E., 1909, p. 64, Pl. 15, fig. 9. Bassler and Moodey, 1943, p. 325.
- Actinocrinites sayi* Troost, Ms. in Wood, E., 1909, p. 65. Bassler and Moodey, 1943, p. 330.
- Batocrinus sayi* (Troost, 1909). Wood, E., 1909, p. 65, Pl. 13, figs. 7, 8. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Melocrinites striatus* (Münster, 1840). Bassler and Moodey, 1943, p. 559. Hauser, 2002, Tabs. 6-7. (**Note:** Note: I question the assignment of this taxon to *A. steropes*. GDW).
- Actinocrinus striatus* Münster, 1840, p. 113, Pl. 9, fig. 11. Bassler and Moodey, 1943, p. 559. **See note above.**
- Actinocrinus? striatus* Münster, 1840. Bronn, 1848, p. 14. **See note above.**
- Melocrinus striatus* (Münster, 1840). d'Orbigny, 1849, p. 104. Bassler and Moodey, 1943, p. 559. **See note above.**
- Mississippian, Viséan (Osagean), Keokuk Limestone; Fort Payne Chert. United States, Tennessee, Illinois, Kentucky  
Devonian, Frasnian. Germany, Bavaria (**questionable identification, GDW**)
- Abatocrinus subaequalis* (McChesney, 1860) = *Abatocrinus aequalis*
- Abatocrinus subaequatus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 40.  
*Batocrinus subaequatus* Miller and Gurley, 1896c, p. 72, Pl. 4, figs. 33, 35. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Ausich and Kammer, 2010a, p. 40.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Abatocrinus tuberculatus* (Wachsmuth and Springer, 1897). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.  
*Batocrinus tuberculatus* Wachsmuth and Springer, 1897, p. 379, Pl. 28, figs. 10a-10b. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri
- Abatocrinus* sp. cf. *A. tuberculatus* (Wachsmuth and Springer, 1897). Brower, 1970, p. 516, Pl. 67, figs. 8-11, 25; Figs. 85, nos. C-G. Webster, 1977, p. 26.

Mississippian, Viséan (Osagean), Red Wall Limestone, Mooney Falls Member, Thunder Springs Member or Mooney Fall Member. United States, Arizona

- \**Abatocrinus turbinatus* (Hall, 1858). Lane, N. G., 1963a, p. 696, Fig. 3, no. C. Webster, 1973, p. 32. Lane in Moore and Teichert, 1978, p. T467, Fig. 275, no. 2. Webster, 1986, p. 41.
- Actinocrinus turbinatus* Hall, 1858c, p. 587, Pl. 11, fig. 1. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 32.
- Batocrinus turbinatus* (Hall, 1858). Miller, S. A., 1889, p. 228. Wachsmuth and Springer, 1897, p. 375, Pl. 27, figs. 5a-5c. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332.
- Actinocrinus turbinatus* var. *elegans* Hall, 1858c, p. 587, Pl. 11, figs. 5, Fig. 87. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332.
- Batocrinus turbinatus* var. *elegans* (Hall, 1858). Miller, S. A., 1889, p. 228. Wachsmuth and Springer, 1897, p. 376, Pl. 27, figs. 6a-6b. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 333. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 32.
- Batocrinus turbinatus elegans* (Hall, 1858). Bassler and Moodey, 1943, p. 332.
- Batocrinus laetus* Miller and Gurley, 1893, p. 24, Pl. 5, figs. 10-12. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332.
- Batocrinus elegans* (Hall, 1858). Keyes, 1894a p. 180. Weller, S., 1898c, p. 136. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Illinois, Iowa, Missouri

*Abatocrinus* sp. Greb et al., 2008, p. 17, Fig. 2b.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

**ABBREVIATOCRINITES** Bohatý, 2005 = **HALOCRINITES**

*Abbraviatocrinites abbreviatus abbreviatus* (Goldfuss, 1839); Bohatý, 2005b = *Halocrinites schlotheimi*

*Abbraviatocrinites abbreviatus alta* (Schultze, 1866) (part) = *Abbraviatocrinites nodosus* = *Halocrinites nodosus*

*Abbraviatocrinites abbreviatus rectangularis* (Schmidt, 1941) = *Abbraviatocrinites rectangularis* = *Halocrinites rectangularis*

*Abbraviatocrinites altus* (Schultze, 1866) = *Halocrinites altus*

*Abbraviatocrinites assimilis* (Dubatolova, 1964) = *Halocrinites assimilis*

*Abbraviatocrinites geminatus* Bohatý, 2005 = *Abbraviatocrinites altus* = *Halocrinites geminatus*

*Abbraviatocrinites gibber* (Bather, 1919) = *Halocrinites gibber*

*Abbraviatocrinites inflatus* (Schultze, 1866) = *Halocrinites inflatus*

*Abbraviatocrinites inflatus convexus* (Hauser, 2001) = *Halocrinites inflatus convexus*

*Abbraviatocrinites inflatus cuneatus* Bohatý, 2006c = *Halocrinites inflatus cuneatus*

*Abbraviatocrinites inflatus depressus* (Hauser, 2001) = *Halocrinites inflatus depressus*

*Abbraviatocrinites inflatus inflatus* (Schultze) Bohatý, 2005b = *Halocrinites inflatus*

*Abbraviatocrinites nodosus* (Sandberger and Sandberger, 1856) = *Halocrinites nodosus*

*Abbraviatocrinites rectangularis* (Schmidt, 1941) = *Halocrinites rectangularis*

*Abbraviatocrinites sampelayoi* (Almela and Revilla, 1950) = *Halocrinites sampelayoi*

*Abbraviatocrinites schreueri* Bohatý, 2006 = *Halocrinites schreueri*

*Abbraviatocrinites tesserulus* (Goldfuss, 1831) = *Halocrinites tesserulus*

*Abbraviatocrinites townsendi* (König, 1825) = *Halocrinites townsendi*

*Abbraviatocrinites urogali* (Roemer, 1850) = *Halocrinites urogali*

**ABLUDOGLYPTOCRINUS** Kolata, 1982. \**Glyptocrinus charltoni* Kolata, 1975.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Kolata, 1982, p. 203. Guensburg, 1984, p. 39. Broadhead, 1987, p. 182. Webster, 1988, p. 26. Webster, 1993, p. 19. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 4 Ordovician species; 2 Sandbian, 2 Sandbian-Katian

Ordovician, Sandbian - Katian. United States, Oklahoma, Illinois, Tennessee; Canada, Ontario

\**Abludoglyptocrinus charltoni* (Kolata, 1975). Kolata, 1982, p. 203. Webster, 1988, p. 26. Brower, 1994, p. 584, Figs. 13-15. Brower, 2007a, p. 110, Fig. 5, nos. 2-4.

*Glyptocrinus charltoni* Kolata, 1975, p. 49, Pl. 9, figs. 2-4, 6-7. Kolata, 1982, p. 203. Webster, 1986, p. 158. Webster, 1988, p. 26. Sloan, 2005, p. 153, Fig. 4, no. 8.

*Abludoglyptocrinus* sp. aff. *A. charltoni* (Kolata, 1975), Kolata, Brower, and Frest, 1987. Brower, 1994, p. 585.

Ordovician, Sandbian – Katian (Champlainian), Mifflin Formation, Briton Member;

Grand Detour Formation, Walgreen and Forreton Members; Platteville Group, McGregor Formation; Galena Group, Dunleith Formation, Rivoli Member, Sherwood Member. United States, Illinois, Iowa, Minnesota

*Abludoglyptocrinus* sp. aff. *A. charltoni* (Kolata, 1975), Kolata, Brower, and Frest, 1987 = *A. charltoni*

*Abludoglyptocrinus gregatus* Guensburg, 1984, p. 39, Pl. 6, figs. 12-18. Webster, 1988, p. 27.

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Abludoglyptocrinus insperatus* (Rowley, 1904) = *Ptychocrinus insperatus*

*Abludoglyptocrinus laticostatus* Kolata, 1982, p. 203, Pl. 21, fig. 6; Fig. 56. Webster, 1988, p. 27.

Ordovician, Sandbian, Bromide Formation, upper part of Pooleville Member. United States, Oklahoma

*Abludoglyptocrinus ornatus* (Billings, 1857) = *Eopatelliocrinus ornatus*

*Abludoglyptocrinus pustulosus* (Kolata, 1975). Kolata, 1982, p. 203. Webster, 1988, p. 27.

*Glyptocrinus pustulosus* Kolata, 1975, p. 50, Pl. 9, fig. 8; Fig. 15. Kolata, 1982, p. 203. Webster, 1986, p. 158. Webster, 1988, p. 27.

Ordovician, Sandbian – Katian (Champlainian), Grand Detour Formation, lower part of Forreton Member. United States, Illinois

*Abludoglyptocrinus* sp. B. Kolata, Brower, and Frest, 1987 = *Eopatelliocrinus ornatus*

Abnormal *Platycrinites* s.s. *wachsmuthi* (Wanner, 1916) Webster and Donovan, 2012c, p. 157, Fig. 2, nos. D-H.

Permian, series uncertain > Indonesia, West timor

**ABRACHIOCRINUS** Wanner, 1920. \**Sycocrinites clausus* Austin and Austin, 1843.

Sbc. Cladida, Inf. Cyathocrinina, O. Cyathocrinida, Spf. Codiacrinoidea F. Codiocrinidae

Wanner, 1920, p. 29. Wanner, 1924, p. 141. Wanner, 1929, p. 39. Bassler, 1938, p. 31. Bassler and Moodey, 1943, p. 262. Moore and Laudon, 1943b, p. 50.

Branson, C. C., 1948, p. 176. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 4. Arendt, 1970a, p. 125. Webster, 1973, p. 32. Webster, 1977, p. 26. Lane and Moore *in* Moore and Teichert, 1978, p. T596. Webster, 1986, p. 41.

Named, currently recognized species based on cups or crowns: 3 species. 1

Mississippian, Tournaisian. United Kingdom

Permian, series uncertain. Timor

\**Abrachiocrinus clausus* (Austin and Austin, 1843). Bassler and Moodey, 1943, p.

262. Arendt, 1970a, p. 125. Arendt, 1971a, p. 168, Fig. 6. Webster, 1977, p. 26.

Ubags *in* Moore and Teichert, 1978, p. T113, Fig. 86, no. 3. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Fig. 385, no. 1. Webster, 1986, p. 42.  
*Sycocrinites clausus* Austin and Austin, 1842, p. 111 (*nomen nudum*). Austin and Austin, 1843, p. 206. Bassler, 1938, p. 31. Bassler and Moodey, 1943, p. 262.  
*Sycocrinus clausus* Austin and Austin, 1843. Bronn, 1848, p. 1210. Bather, 1914a, p. 246, Pl. 10, figs. 3-3e. Bassler and Moodey, 1943, p. 262.  
*Abrachiocrinus (Sycocrinus) clausus* (Austin and Austin, 1843). Wanner, 1920, p. 23, Figs. 6, 16. Bassler and Moodey, 1943, p. 262.  
 Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Abrachiocrinus conicus* Wanner, 1929, p. 63, Pl. 3, figs. 13-14; Fig. 8. Bassler and Moodey, 1943, p. 262. Branson, C. C., 1948, p. 176.  
 Permian, series uncertain. Timor

*Abrachiocrinus (Sycocrinus) clausus* (Austin and Austin, 1843) = *Abrachiocrinus clausus*

*Abrachiocrinus timoricus* Wanner, 1929, p. 64, Pls. 2, fig. 15; 3, fig. 15-16; Unnum. Fig. Bassler and Moodey, 1943, p. 262. Branson, C. C., 1948, p. 176.  
 Permian, series uncertain. Timor

**ABRACRINUS** d'Orbigny, 1849 = **CARPOCRINUS**

*Abracrinus pusillus* d'Orbigny, 1849 = *Actinocrinites pusillus*

*Abracrinus simplex* (Phillips, 1839) = *\*Carpocrinus simplex*

**ABROTOCRINUS** Miller and Gurley, 1890. *\*A. cymosus* Miller and Gurley, 1890.

Sbc. Cladida, Incl. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea F.  
 Staphylocrinidae

Miller and Gurley, 1890a, p. 30. Miller and Gurley, 1891, p. 350. Miller, S. A., 1892a, p. 672. Wanner, 1924, p. 177. Springer, 1926b, p. 72. Bassler, 1938, p. 31.

Bassler and Moodey, 1943, p. 262. Moore and Laudon, 1943b, p. 56, Fig. 6.

Moore and Laudon, 1944, p. 159. Moore, 1950, p. 34, Fig. 4, no. i. Arendt and

Hecker, 1964, p. 88. Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 32.

Webster, 1977, p. 26. Moore and Strimple *in* Moore and Teichert, 1978, p. T744.

Ausich, Kammer, and Lane, 1979, p. 1189, Fig. 6, nos. B-C. Kammer, Ausich,

and Lane, 1983, p. 55, Fig. 14, no. B, item c. Smith, A. B., p. 172. Webster,

1986,

p. 42. Webster, 1988, p. 27. Lane and Sevastopulo, 1990, p. 336. Webster,

1993,

p. 19. Kammer and Ausich, 1993, p. 626. Ausich and Sevastopulo, 2001, p. 115.

Named Named, currently recognized species based on cups or crowns: 9

Mississippian species; 1 Tournaisian, 8 Viséan

Mississippian, Viséan (Osagean – Chesterian). United States

Mississippian, Tournaisian. Ireland

Mississippian, Viséan. Algeria



*Abrotocrinus angustatus* Wright, 1934 = *Aphelecrinus angustatus*

*Abrotocrinus angustus* Wright, 1934 = *Aphelecrinus angustatus*

*Abrotocrinus coreyi* (Meek and Worthen, 1870). Van Sant *in* Van Sant and Lane, 1964,

p. 85, Pl. 3, figs. 2, 9. Webster, 1973, p. 32. Kammer and Ausich, 1993, p. 629, Figs. 9.8-9.14. Baumiller and Ausich, 1996, p. 54, Fig. 9, no. B. Ausich and Sevastopulo, 2001, p. 118, Tab. 34.

*Poteriocrinites* (*Graphiocrinus*; *Scaphiocrinus*) *coreyi* Meek and Worthen, 1870a, p. 148. Bassler and Moodey, 1943, p. 580.

*Poteriocrinites* (*Scaphiocrinus*) *coreyi* Meek and Worthen, 1870. Kammer and Ausich, 1993, p. 629.

*Poteriocrinus* (*Graphiocrinus*; *Scaphiocrinus*) *coreyi* (Meek and Worthen, 1870). Quenstedt, 1885, p. 949, Pl. 76, figs. 7-8.

*Poteriocrinus coreyi* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 273.

*Scaphiocrinus coreyi* (Meek and Worthen, 1870). Meek and Worthen, 1873, p. 494, Pl. 15, fig. 1. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 542. Kammer and Ausich, 1993, p. 629.

*Pachyocrinus coreyi* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 629.

*Zeacrinus stimpsoni* Lyon, 1869, p. 465, Pl. 27, figs. m, m-1. Miller, S. A., 1889, p. 289. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 629.

*Decadocrinus stimpsoni* (Lyon, 1869). Weller, S., 1898c, p. 214. Kammer and Ausich, 1993, p. 629.

*Abrotocrinus orestes* (Worthen, 1882). Bassler and Moodey, 1943, p. 263. Kammer and Ausich, 1993, p. 629.

*Poteriocrinus orestes* Worthen, 1882, p. 7. Worthen, 1883, p. 273, Pl. 27, fig. 3. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 263. Kammer and Ausich, 1993, p. 629.

*Scaphiocrinus orestes* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 263. Kammer and Ausich, 1993, p. 629.

*Scaphiocrinus lyoni* Miller, S. A., 1892a, p. 682. Miller, S. A., 1892b (adv. pub.). Miller, S. A., 1892c, p. 45, Pl. 5, fig. 25. Miller, S. A., 1894, p. 299, Pl. 5, fig. 25. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 629.

*Poteriocrinus* (*Scaphiocrinus*) *unicus* (Hall, 1861) (part). Zittel, 1895, p. 136, Fig. 263.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; lower and upper parts of Warsaw Formation; Harrodsburg Limestone. United States, Iowa, Missouri, Indiana

*Abrotocrinus crassimanus* (M'Coy, 1849). Ausich and Sevastopulo, 2001, p. 116, Pl. 12, figs. 18, 20-21; Fig. 14, no. g.

*Poteriocrinus crassimanus* M'Coy, 1849, p. 245. M'Coy, 1854, p. 107. Bassler and Moodey, 1943, p. 639. Wright, J., 1951b, p. 67. Webster, 1973, p. 188. Ausich

- and Sevastopulo, 2001, p. 116.  
*Poteriocrinites crassimanus* (M'Coy, 1849). Bassler and Moodey, 1943, p. 639.  
*Pachylocrinus? crassimanus* (M'Coy, 1849). Wright, J., 1951b, p. 67, Pl. 31, fig. 11.  
 Webster, 1973, p. 188. Ausich and Sevastopulo, 2001, p. 116.  
 Mississippian, Tournaisian, Hook Head Formation. Ireland
- \**Abrotocrinus cymosus* Miller and Gurley, 1890b, p. 350, Pl. 5, fig. 2 (author's edition p. 31). Miller, S. A., 1892a, p. 672, Fig. 1202. Weller, S., 1898c, p. 51. Bassler, 1938, p. 31. Bassler and Moodey, 1943, p. 262. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 5. Moore and Laudon, 1944, p. 159, Pl. 60, fig. 1. Van Sant *in* Van Sant and Lane, 1964, p. 85. Webster, 1973, p. 32. Kammer and Ausich, 1993, p. 626, Figs. 3.4, 7.7-7.8, 8. Ausich and Sevastopulo, 2001, p. 118, Tab. 34.  
*Scaphiocrinus unicus* Hall, 1861a, p. 313. Hall, 1861b, p. 8. Hall, 1861c, p. 313.  
 Hall,  
 1872c, Pl. 6, fig. 6. Wachsmuth and Springer, 1897, Pl. 7, fig. 6. Wachsmuth *in* Zittel, 1900, p. 159, Fig. 263. Bassler and Moodey, 1943, p. 263.
- \**Abrotocrinus unicus* (Hall, 1861) (part). Van Sant, 1964, p. 85. Webster, 1973, p. 32. Moore and Strimple *in* Moore and Teichert, 1978, p. T744, Fig. 493, no. 1b. Webster, 1986, p. 42. Kammer and Ausich, 1993, p. 626.  
*Poteriocrinus (Scaphiocrinus) unicus* (Hall, 1861). Meek and Worthen, 1873, p. 493, Pl. 15, fig. 5. Bassler and Moodey, 1943, p. 263.  
 Mississippian, Viséan (early Meramecian), Harrodsburg Limestone. United States, Indiana
- Abrotocrinus debrae* Ausich, Goldstein, and Yates, 2000, p. 1079, Fig. 1, no. 5.  
 Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation.  
 United States, Kentucky
- Abrotocrinus granulatus* Kammer and Ausich, 1993, p. 632, Figs. 9.2-9.4. Ausich and Sevastopulo, 2001, p. 118, Tab. 34.  
 Mississippian, Viséan (Osagean), New Providence Shale. United States, Kentucky
- Abrotocrinus manus* (Miller and Gurley, 1890). Kammer and Ausich, 1993, p. 630, Fig. 9.1. Ausich and Sevastopulo, 2001, p. 118, Tab. 34.  
*Scaphiocrinus manus* Miller and Gurley, 1890b, p. 345, Pl. 4, fig. 13 (author's ed. p. 24). Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 582. Kammer and Ausich, 1993, p. 632.  
*Pachylocrinus manus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 582. Van Sant *in* Van Sant and Lane, 1964, p. 89, Pl. 4, fig. 12. Webster, 1973, p. 188. Kammer and Ausich, 1993, p. 632.  
*Stinocrinus manus* (Miller and Gurley, 1890). Moore and Laudon, 1944, p. 159, Pl. 60, fig. 15. Webster, 1973, p. 244. Kammer and Ausich, 1993, p. 632.  
 Mississippian, Viséan (late Osagean), Edwardsville Formation; Ramp Creek Formation. United States, Indiana
- Abrotocrinus occidentalis* (Worthen, 1882). Bassler and Moodey, 1943, p. 263.  
 Kammer and Ausich, 1993, p. 630, Figs. 9.5-9.7. Ausich and Sevastopulo, 2001, p. 118, Tab. 34.

*Poteriocrinus occidentalis* Worthen, 1882, p. 10. Worthen, 1883, p. 278, Pl. 27, fig. 2. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 263.

*Scaphiocrinus occidentalis* (Worthen, 1883). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 263.

Mississippian, Viséan (Osagean), Keokuk Limestone; Edwardsville Formation. United States, Illinois, Indiana

*Abrotocrinus orestes* (Worthen, 1882) = *Abrotocrinus coreyi*

*Abrotocrinus ornatus* Termier, G. and Termier, H., 1950, p. 91, 100, Pl. 221, figs. 9-14. Webster, 1973, p. 32.

Mississippian, late Viséan. Algeria

*Abrotocrinus parviglyptus* Laudon and Beane, 1937 = *Pelecocrinus parviglyptus*

*Abrotocrinus rusticellus* (White, 1863). Springer, 1926 = *Ascetocrinus rusticellus*

*Abrotocrinus sculptus* (Worthen, 1882). Bassler and Moodey, 1943, p. 263.

*Poteriocrinus sculptus* Worthen, 1882, p. 21. Worthen, 1883, p. 292, Pl. 29, fig. 8. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 263.

*Scaphiocrinus sculptus* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 237 (161). Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 263.

Mississippian, Viséan (Chesterian), Renault Formation; Gasper Formation; Ste. Genevieve Limestone. United States, Illinois, Alabama

*Abrotocrinus springeri* Ausich, Goldstein, and Yates, 2000, p. 1079, Fig. 1, nos. 7-8.

Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation. United States, Kentucky

*Abrotocrinus unicus* (Hall, 1861). Weller, S., 1898c, p. 550. Grabau and Shimer, 1910, p. 509, Fig. 1823. Springer, 1926b, p. 65, Pl. 17, figs. 1-3. Bassler and Moodey, 1943, p. 263. Lane, N. G., 1973, p. 60, Figs. 18, 20. Webster, 1977, p. 26.

Ubaghs in Moore and Teichert, 1978, p. T208, Figs. 113, no. 1; 175, no. 5.

Williams, M. E., 1982, p. 20, Pl. 1. Smith, A. B., 1985, p. 172, Pl. 7.4.33.

Webster, 1988, p. 27. Kammer and Ausich, 1993, p. 627, Figs. 7.12-7.6, 8.

*Scaphiocrinus unicus* Hall, 1861a, p. 313. Hall, 1861b, p. 8. Hall, 1861c, p. 313.

Shumard, 1868, p. 396. Hall, 1872c, Pl. 6, fig. 6. Miller, S. A., 1889, p. 281.

Wachsmuth and Springer, 1897, Pl. 7, fig. 6. Bassler and Moodey, 1943, p. 263.

Ausich and Sevastopulo, 2001, p. 118, Tab. 34.

*Poteriocrinus (Scaphiocrinus) unicus* (Hall, 1861). Meek and Worthen, 1873, p. 493, Pl. 15, fig. 5. Bassler and Moodey, 1943, p. 263.

Mississippian, Viséan (late Osagean), lower part of the Warsaw Formation; Edwardsville Formation. United States, Iowa, Indiana

*Abrotocrinus unicus* (Hall, 1861) (part) = *Abrotocrinus cymosus*

*Abrotocrinus* spp.

- Termier, G. and Termier, H., 1950, p. 91, Pl. 218, figs. 27-28 (typographical error, given as Pl. 217, p. 91). Webster, 1973, p. 32. (Not an *Abrotocrinus* GDW)  
 Pennsylvanian, Westphalian. Morocco
- Termier, G. and Termier, H., 1950, p. 91, Pl. 220, Pl. 218, figs. 29-30. Webster, 1973, p. 271 (infrabasal or basal circlet, genus indet., GDW).  
 Pennsylvanian, Westphalian. Morocco
- Laudon, Parks, and Spreng, 1952, p. 554, Pl. 65, figs. 29-31. Webster, 1973, p. 33.  
 Ausich and Sevastopulo, 2001, p. 118, Tab. 34.  
 Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Wright, J., 1960, p. 331, Appendix, Pl. 8, fig. 8. Webster, 1973, p. 33.  
 Mississippian, Tournaisian. United Kingdom
- Priest, 1970, p. 15, Fig. 8. Webster, 1977, p. 26.  
 Mississippian, Viséan (Chesterian), Pella Beds. United States, Iowa
- Lane, N. G., 1986, p. 157, Figs. 2, 8. Webster, 1993, p. 19.  
 Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana
- Stinchcomb, 2008, p. 126, Fig. 07-056.  
 Mississippian, Viséan (Osagean), Borden Group, Ramp Creek Formation. United States, Indiana, Sugar Creek

**ABYSSOCRINUS** Strimple, 1963. \**Synbathocrinus antiquus* Strimple, 1952.

- Sbc. Disparida, Spf. Belemnocrinoidea F. Ramacrinidae  
 Strimple, 1963d, p. 29. Webster, 1973, p. 33. Moore and Lane *in* Moore and Teichert, 1978, p. T560. Webster, 1986, p. 42. Sevastopulo and Lane, 1988, p. 251. Clement, 1988, p. 113. Webster, 1993, p. 19.
- Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species  
 Silurian, Niagaran. United States, Oklahoma

\**Abyssocrinus antiquus* (Strimple, 1952). Strimple, 1963d, p. 30, Figs. 4, no. a; 5, no. d; 6, nos. a-d. Webster, 1973, p. 33. Moore and Lane *in* Moore and Teichert, 1978, p. T560, Fig. 353, no. 3. Webster, 1986, p. 42.

*Synbathocrinus antiquus* Strimple, 1952b, p. 76, Figs. 1-3. Kesling and Smith, 1963, p. 190. Webster, 1973, p. 33.

*Synbathocrinus? antiquus* Strimple, 1952. Strimple and Watkins, 1961, p. 48, Figs. 1-2. Webster, 1973, p. 33.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Abyssocrinus* sp. Strimple, 1974b, p. 160, Figs. 1-2. Webster, 1986, p. 42.  
 Devonian, Lochkovian, Haragan Formation. United States, Oklahoma

**ACACOCRINUS** Wachsmuth and Springer, 1897. \**A. elrodi* Wachsmuth and Springer, 1897.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Wachsmuth and Springer, 1897, p. 515. Miller, S. A., 1897, p. 730. Bather *in* Lankester, 1900, p. 166. Springer *in* Zittel, 1913, p. 194. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 263. Moore and Laudon, 1943b, p. 93. Ubaghs, 1953, p. 740. Webster, 1973, p. 33. Ubaghs *in* Moore and Teichert, 1978, p. T463. Webster, 1986, p. 42. Ausich, 1987a, p. 559. Webster, 1993, p. 19. Named, currently recognized species based on cups or crowns: 4 species. 3 Silurian, 1 Llandoveryan, 2 Niagaran; 1 Devonian, Givetian (Erian) Silurian, Middle Devonian. United States

*Acacocrinus americanus* Wachsmuth and Springer, 1897, p. 516, Pl. 34, figs. 15a-15b. Bassler and Moodey, 1943, p. 263. Silurian, Niagaran, Laurel Limestone. Indiana

*Acacocrinus anebos* Ausich, 1987a, p. 559, Figs. 2, nos. 6-9; 3, no. 3. Webster, 1993, p. 19. Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

\**Acacocrinus elrodi* Wachsmuth and Springer, 1897, p. 515, Pl. 34, fig. 16. Miller, S. A., 1897, p. 730. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 263. Ubaghs *in* Moore and Teichert, 1978, p. T463, Fig. 272, no. 2. Webster, 1986, p. 42. Silurian, Niagaran, Waldron Shale. United States, Indiana

*Acacocrinus pentadactylus* (Grabau, 1899). Goldring, 1923, p. 200, Pl. 26, fig. 1; Figs. 45-46. Bassler and Moodey, 1943, p. 263. *Habrocrinus pentadactylus* Grabau, 1899a, p. 143, Fig. 25. Bassler and Moodey, 1943, p. 263. Devonian, Givetian (Erian), Hamilton Group, Moscow Shale. United States, New York

**ACANTHARTHROPTERUM** Moore, 1939. *Nomen vetitum* \**A. acutum* Moore, 1939. Moore, 1939, p. 249. Webster, 1977, p. 26. Jeffords *in* Moore and Teichert, 1978, p. T936. (brachial plates) Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Desmoinesian species, Pennsylvanian, Desmoinesian. United States, Kansas

\**Acantharthropterum acutum* Moore, 1939b, p. 249, Pl. 3, figs. 5a-5b. Devonshire, 1954, Pl. 2, figs. 9-10, 14. Devonshire, 1955, Pl. 2, figs. 9-10, 14. Webster, 1977, p. 26. (primibrachial) Pennsylvanian, Desmoinesian, cap rock of Mineral Coal; Pumpkin Creek Limestone. United States, Kansas, Oklahoma

*Acantharthropterum cornu* Moore, 1939b, p. 250, Pl. 4, figs. 3a-3b (brachial). Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

*Acantharthropterum pendens* Moore, 1939 = *Delocrinus? pendens*

**ACANTHOCRINUS** Roemer, 1850. \**A. longispina* Roemer, 1850.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Roemer, F. A., 1850a, p. 679. Pictet, 1857, p. 315. Dujardin and Hupé, 1862, p. 125. Zittel, 1880, p. 345, 376. Jaekel, 1895a, p. 24. Koken, 1896, p. 283. Wachsmuth and Springer, 1897, p. 216. Bather *in* Lankester, 1900, p. 201. Ehrenberg, 1922c, p. 277. Goldring, 1923, p. 92. Schmidt, W. E., 1934, p. 117. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 263. Moore and Laudon, 1943b, p. 83. Moore and Laudon, 1944, p. 185. Ubaghs, 1953, p. 737, Figs. 78, 122. Arendt and Hecker, 1964, p. 95. Kutscher, 1966, p. 22. Webster, 1973, p. 33. Webster, 1977, p. 26. Ubaghs *in* Moore and Teichert, 1978, p. T421. Haude, 1981, p. 193, Figs. 7, no. d; 11. Webster, 1986, p. 42. Webster, 1988, p. 27. Ebert, 1994, p. 16, Fig. 11. Südcamp, 2007, p. 187, Fig. 4. Franke, C., 2012, p. 49.

Named, currently recognized species based on cups or crowns: 11 species, 1 variety; 10 Devonian, 1 Early Devonian unspecified Lochkovian - Emsian, 1 Eifelian, 1 Givetian, 7 Emsian (+1 Emsian variety) 1 Mississippian series not given

Early - Middle Devonian. Europe; North America; North Africa  
 Mississippian. Germany

*Acanthocrinus? benedettoi* Haude, 2004a, p. 419, Fig. 1, nos. A-C. Haude and Sterren, 2007, p. 78, Fig. 1, nos. A-B.

Devonian, Lochhovian – Emsian, Talacasto Formation. Argentina

*Acanthocrinus brevispina* Roemer, F. A., 1850a, p. 680, Pl. 6-B, fig. 2. Bassler and Moodey, 1943, p. 264.

Mississippian, series not designated, "Kolenkalk". North America

*Acanthocrinus faouensis* Le Menn, 1985, p. 39, Pl. 4, figs. 1-12; Figs. 14-15. Webster, 1988, p. 27.

Devonian, late Emsian, Verveur Formation. France, Armorican Massif

*Acanthocrinus gracilior* Jaekel, 1895a, p. 27. Schmidt, W. E., 1942, p. 209, Pl. 14, fig. 1; Fig. 58, no. b. Bassler and Moodey, 1943, p. 264. Ubaghs, 1947, p. 5, Pl. 3, figs. 11-12. Kutscher, 1966, p. 25. Webster, 1973, p. 33. Webster, 1977, p. 26.

*Acanthocrinus gregarius* Zeiler and Wirtgen, 1854, p. 479. Zeiler and Wirtgen, 1855, p. 9. Jaekel, 1895a, p. 26, Fig. 5. Ubaghs, 1947, p. 2. Webster, 1973, p. 33.

*Acanthocrinus longispina* Zeiler and Wirtgen, 1854 (*non* Roemer, 1850). Ubaghs, 1947, p. 2. Webster, 1973, p. 33. Franke, C., 2012, p. 49, Pls. 21-23, 24, Figs. 1-2.

Devonian, Emsian (Coblentian), Laubacher beds. Belgium, Germany

*Acanthocrinus gracilior* var. *vermicularis* Schmidt, 1942. Kutscher, 1966, p. 25. Webster, 1977, p. 27.

Devonian, Emsian. Germany

*Acanthocrinus gregarius* Zeiler and Wirtgen, 1854 = *Acanthocrinus gracilior*

*Acanthocrinus gregarius* Schmidt, 1942 = *Acanthocrinus jaekeli*

*Acanthocrinus heroldi* Schmidt, W. E., 1934, p. 119, Pl. 21, fig. 1; Fig. 27. Kutscher, 1966, p. 23. Webster, 1977, p. 27.  
Devonian, early Emsian, lower part of Hunsrückschiefer. Germany

*Acanthocrinus jaekeli* Schmidt, W. E., 1942, p. 207, Pl. 14, fig. 2; Fig. 57. Bassler and Moodey, 1943, p. 264. Ubaghs, 1947, p. 4, Pls. 2, figs. 5-6; 3, fig. 13. Kutscher, 1966, p. 24. Webster, 1973, p. 33.

*Acanthocrinus jekeli* Schmidt, 1942. Webster, 1977, p. 27 (sic).

*Acanthocrinus gregarius* Schmidt, W. E., 1942 (*non* Zeiler and Wirtgen, 1854), p. 222. Ubaghs, 1947, p. 2. Webster, 1973, p. 33.  
Devonian, Emsian (Coblenzian). Belgium, Germany

*Acanthocrinus* aff. *jaekeli* Schmidt, 1942. Le Maitre, 1958b, p. 125, Pl. 2, figs. 1-3. Webster, 1973, p. 33. Le Menn, 1997b, p. 130, Pl. 4, figs. 1, 6; Fig. 1.  
Devonian, Emsian? (Coblenzian). Algeria

*Acanthocrinus* cf. *jaekeli* Schmidt, 1942. Ubaghs, 1947, p. 4, Pl. 2, fig. 8. Webster, 1973, p. 33.  
Devonian, Emsian? (Coblenzian). Belgium

*Acanthocrinus jekeli* Webster, 1977 = *Acanthocrinus jaekeli*

*Acanthocrinus lingenbachensis* Lehmann, 1939, p. 6, Pls. 2-4; Fig. 1. Schmidt, W. E., 1942, p. 32. Kutscher, 1966, p. 24. Webster, 1973, p. 33. Webster, 1977, p. 27. Südkamp, 2007, p. 194, Fig. 12, nos. A-B.  
Devonian, early Emsian, Hunsrückschiefer. Germany

\**Acanthocrinus longispina* Roemer, F. A., 1850a, p. 679, Pl. 6-B, fig. 1. Pictet, 1857, p. 315, Pl. 100, fig. 11. Roemer, 1866b, p. 233. Quenstedt, 1876, p. 601, Pl. 111, fig. 509. Wachsmuth and Springer, 1897, p. 219. Dahmer, 1916, p. 246.

Dahmer,

1922, p. 291, Pl. 16, figs. 2-3. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 264. Simon, 1951, p. 364, Figs. 1-3. Webster, 1973, p. 33.

*Rhodocrinus longispina* Wachsmuth and Springer, 1881, p. 212. Bassler and Moodey, 1943, p. 264.

Devonian, Eifelian, ?Wissenbacher Beds. Germany

*Acanthocrinus longispina* Roemer, F. A., 1850. Roemer, 1866b, p. 233.  
Mississippian, unspecified. Germany

*Acanthocrinus longispina* Zeiler and Wirtgen, 1854 (*non* Roemer, 1850) =  
*Acanthocrinus gracilior*

*Acanthocrinus longispina* Roemer, F. A., 1850. Dahmer, 1922, p. 291, Pl. 16, figs. 2-3.  
Devonian, Eifelian. Germany (exact locality unknown)

*Acanthocrinus onondaga* Goldring, 1923, p. 94, Pl. 2, fig. 12. Bassler and Moodey, 1943, p. 264.

Devonian, Emsian, Onondaga Limestone. United States, New York

*Acanthocrinus rex* Jaekel, 1895a, p. 18, Pl. 1; Fig. 2. Kirk, 1911, p. 57. Dacqué, 1921, p. 393, Fig. 170b. Ehrenberg, 1922c, p. 276, Figs. 9-10. Ehrenberg, 1929, p. 26, Fig. 15. Schmidt, W. E., 1934, p. 118, Pl. 23. Bassler and Moodey, 1943, p. 264. Wanner, 1943, p. 27, Unnum. Fig. p. 28. Ubaghs, 1953, p. 737, Fig. 122. Struve, 1957, p. 362, Fig. 1. Kutscher, 1966, p. 23, Pl. 1. Webster, 1973, p. 33. Webster, 1977, p. 27. Ubaghs *in* Moore and Teichert, 1978, p. T422, Fig. 232. Webster, 1986, p. 42. Bartels and Brassel, 1990, p. 155, Fig. 140, no. a. Bartels, Briggs, and Brassel, 1998, p. 178, Fig. 148. Hess *in* Hess et al., 1999 p. 114, Fig. 124. Hauser, 2007, p. 82, Fig. 8.

Devonian, early Emsian, Hunsrückschiefer. Germany, Taunus, Bundenbach

*Acanthocrinus spinosus* (Hall, 1862). Goldring, 1923, p. 92, Pl. 2, figs. 7-11. Bassler and Moodey, 1943, p. 264. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 6.

Moore

and Laudon, 1944, p. 185, Pl. 72, fig. 13. Webster, 1973, p. 33. Brett *in* Hess et al., 1999 p. 125, Fig. 136.

*Rhodocrinus spinosus* Hall, 1862a, p. 99. Hall, 1862b, p. 127. Shumard, 1868, p. 395. Hall, 1872c, Pl. 1-A, fig. 10. Miller, S. A., 1889, p. 278. Clarke, 1921b, p. 72, Fig. 59.

Devonian, Givetian (Erian), Hamilton Group. United States, New York

*Acanthocrinus spinosus* Sudkamp, 2007 (non Hall, 1862), p. 198, Fig. 15, nos. A-B. Devonian, Emsian, Hunsrückschiefer. Germany

*Acanthocrinus* sp. indet. Schmidt, W. E., 1942, p. 212, Fig. 59. Webster, 1973, p. 34. Devonian, Emsian. Belgium

*Acanthocrinus* spp.

Ubaghs, 1947, p. 4, Pls. 1, figs. 1-4; 2, figs. 1-4, 7, 9; 3, figs. 1-10; Fig. 2. Ubaghs, 1953, p. 737, Fig. 78. Webster, 1973, p. 34.

Devonian, Emsian. Belgium

Ubaghs *in* Moore and Teichert, 1978, p. T159, Fig. 131, no. 4. Webster, 1986, p. 43.

Early Devonian. Belgium

Bartels and Brassel, 1990, p. 33, Fig. 19. Bartels, Briggs, and Brassel, 1998, p. 32, Fig. 18.

Devonian, early Emsian, Hunsrückschiefer. Germany, Eifel

**ACARIAIOCRINUS** Wanner, 1924. \**A. clavulus* Wanner, 1924.

Sbc. Cladida, Inf. Cyathocrinina, O. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae

Wanner, 1924, p. 141. Springer, 1926b, p. 94. Wanner, 1929, p. 39. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 264. Moore and Laudon, 1943b, p. 50.



Branson, C. C., 1948, p. 176. Arendt and Hecker, 1964, p. 84. Lane, N. G., 1967b, p. 13, Figs. 3, 7 (*non* Fig. 8 as listed). Arendt, 1970a, p. 180. Webster, 1973, p. 34. Webster, 1977, p. 27. Lane and Moore *in* Moore and Teichert, 1978, p. T605. Arendt, 1981, p. 99. Webster, 1986, p. 43. Webster, 1988, p. 27.  
 Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain  
 Permian, series uncertain. Timor

*Acariaiocrinus angulosus* Wanner, 1929, p. 74, Pls. 5, fig. 10; 6, figs. 1-2. Marez Oyens, 1940a, p. 326, Pl. 3, fig. 11. Bassler and Moodey, 1943, p. 264.  
 Branson, C. C., 1948, p. 176. Arendt, 1970a, p. 180. Webster, 1977, p. 27.  
 Permian, series uncertain. Timor

*Acariaiocrinus caryophylloides* (Yakovlev, 1927) = *Streptostomocrinus caryophylloides*

\**Acariaiocrinus clavulus* Wanner, 1924b, p. 165, Pl. 8, fig. 22-26; Fig. 14. Wanner, 1929b, p. 72, Pls. 4, figs. 6-10; 5, figs. 3-9. Bassler, 1938, p. 32. Bassler and Moodey, 1943, p. 265. Branson, C. C., 1948, p. 177. Arendt and Hecker, 1964, p. 84, Pl. 9, fig. 10. Arendt, 1970a, p. 180, Fig. 56. Webster, 1973, p. 34. Webster, 1977, p. 27. Lane and Moore *in* Moore and Teichert, 1978, p. T605, Fig. 391, no. 5. Webster, 1986, p. 43.  
 Permian, series uncertain. Timor

**ACHRADO CRINUS** Schultze, 1866. \**A. ventrosus* Schultze, 1866.

Sbc. Cladida, Inf. Cyathocrinina, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinidae

Schultze, 1866, p. 213 (adv. pub.). Schultze, 1867, p. 213. Zittel, 1880, p. 344, 364. Wachsmuth and Springer, 1886, p. 191. Bather, 1890b, p. 324. Zittel, 1895, p. 135. Bather *in* Lankester, 1900, p. 178. Wachsmuth *in* Zittel, 1900, p. 155. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 265. Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 750. Webster, 1973, p. 34. Lane and Moore *in* Moore and Teichert, 1978, p. T591. Webster, 1986, p. 43. Hauser, 1997, p. 31, Fig. 10. Hauser, 2001, p. 81, Fig. 65.

**ACRADO CRINUS** Springer *in* Zittel, 1913, p. 219.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

*Achrado crinus patulus* Slocum, 1908 = *Thyridocrinus patulus*

\**Achrado crinus ventrosus* Schultze, 1866, p. 213 (adv. pub.). Schultze, 1867, p. 213. Quenstedt, 1876, p. 532, Pl. 108, Fig. 64. Bather *in* Lankester, 1900, p. 178, Fig. 95. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 265. Lane and Moore *in* Moore and Teichert, 1978, p. T591, Figs. 377, no. 7; 380, no. 2. Webster, 1986, p. 43. Hauser, 1997, p. 31, Pl. 5, fig. 2. Hauser, 2001, p. 24, 81, Pl. 16, figs. 1-1a; Fig. 66.

Devonian, Eifelian, Freilingen Formation, Junkerberg Formation. Germany

**ACLISTOCRINUS** Eckert and Brett, 2001. \**Aclistocrinus capistratus* Eckert and Brett, 2001.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Eucalyptocrinitidae

Eckert and Brett, 2001, p. 31.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, late Llandoveryian. United States, New York

\**Aclistocrinus capistratus* Eckert and Brett, 2001, p. 32, Pl. 5, figs. 1, 3-7, 9, 11-12; Fig. 10.

Silurian, late Llandoveryian, Wolcott Limestone. United States, New York

**ACOLOCRINUS** Kesling and Paul, 1971. \**A. hydraulicus* Kesling and Paul, 1971.

Sbc. Disparida, O. Eustenocrinida, F. Acolocrinidae

Kesling and Paul, 1971, p. 228. Webster, 1977, p. 27. Moore and Strimple *in* Moore and Teichert, 1978, p. T542. Sprinkle, 1982, p. 111. Webster, 1986, p. 43.

Rozhnov, 1988, p. 68. Webster, 1988, p. 27. Rozhnov, 1989, p. 62. Webster, 1993, p. 19. Ausich, 1998b, p. 36. Rozhnov, 2002, p. 588, Fig. 45, nos. m-n (diagramatic).

Named, currently recognized species based on cups or crowns: 3 Ordovician species, 1 Darriwilian, 2 Sandbian

Ordovician, Darriwilian - Katian. United States, Oklahoma, Tennessee

*Acolocrinus arbucklensis* Sprinkle, 1982, p. 116, Pl. 6, figs. 17-56; Fig. 39, nos. F-H. Webster, 1988, p. 27.

Ordovician, Sandbian, Bromide Formation, upper part of Mountain Lake Member. United States, Oklahoma

*Acolocrinus crinerensis* Sprinkle, 1982, p. 113, Pl. 6, figs. 1-16; Fig. 39, nos. A-E. Webster, 1988, p. 28.

Ordovician, Sandbian, Bromide Formation, upper part of Poolville Member. United States, Oklahoma

\**Acolocrinus hydraulicus* Kesling and Paul, 1971, p. 231, Pls. 2, figs. 8-11; 3, figs. 1-8; 4-7; Figs. 3-5. Webster, 1977, p. 27. Ubaghs *in* Moore and Teichert, 1978, p. T114, T124, Figs. 88, no. 2; 183, nos. 6-7. Moore and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 338, no. 2. Webster, 1986, p. 43.

Ordovician, Darriwilian, Ottosee Group, Benbolt Formation. United States, Virginia, Tennessee

*Acolocrinus* sp. Sprinkle, 1982, p. 118, Pl. 6, figs. 57-62. Fig. 39, no. 1. Webster, 1988, p. 28.

Ordovician, Sandbian, Bromide Formation, upper part of Mountain Lake Member. United States, Oklahoma

**ACRADO CRINUS** Springer *in* Zittel, 1913 = **ACHRADO CRINUS**

Acrocrinidae subfamily, genus, and species, indeterminate Lane, *et al.*, 1996, p. 121, Figs. 5.7, 6.15.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region

**ACROCRINUS** Yandell, 1855. \**A. shumardi* Yandell, 1855.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Yandell, 1855, p. 135. Yandell, 1868, p. 341. Zittel, 1880, p. 380. Wachsmuth and Springer, 1885, p. 124. Miller, S. A., 1889, p. 216. Wachsmuth and Springer, 1897, p. 805. Bather *in* Lankester, 1900, p. 159. Delage and Herouard, 1903, p. 383. Grabau and Shimer, 1910, p. 523. Springer *in* Zittel 1913, p. 201. Jaekel, 1918, p. 30. Abel, 1924, p. 276. Springer, 1926b, p. 40. Schmidt, H., 1929, p. 84. Bassler, 1938, p. 33. Moore and Plummer, 1938, p. 217. Bassler and Moodey, 1943, p. 265. Moore and Laudon, 1943b, p. 96, Fig. 16. Moore and Laudon, 1944, p. 199. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 741, Fig. 2. Arendt and Hecker, 1964, p. 97. Moore and Strimple, 1969a, p. 7. Burdick and Strimple, 1971a, p. 42. Webster, 1973, p. 34. Horowitz and Strimple, 1974, p. 210. Webster, 1977, p. 27. Moore and Strimple *in* Moore and Teichert, 1978, p. T479. Burdick and Strimple, 1983b, p. 193. Arendt and Stupachenko, 1983, p. 70. Arendt and Stupachenko, 1984, p. 72. Webster, 1986, p. 43. Lane and Sevastopulo, 1987, p. 205. Chestnut and Ettensohn, 1988, p. 57, Fig. 10. Webster, 1988, p. 28. Webster, 1993, p. 20.

Named, currently recognized species based on cups or crowns: 3 Mississippian Viséan species

Mississippian, middle Viséan. Europe;

Mississippian, Viséan. United States

*Acrocrinus alvestonensis* Wright, J., 1958, p. 308, Pl. 79, figs. 1-4. Moore and Strimple, 1969a, p. 9, Fig. 2, no. 9. Webster, 1973, p. 34. Webster, 1977, p. 27. Mississippian, Viséan (S<sub>2</sub>). United Kingdom

*Acrocrinus amphora* (Gilbertson *in* Portlock, 1843) = *Amphoracrinus portlocki*

*Acrocrinus amphora* Wachsmuth and Springer, 1897 = \**Amphoracrinus amphora*

*Acrocrinus brentwoodensis* Moore and Plummer, 1938 = *Platyacrocrinus brentwoodensis*

*Acrocrinus constrictus* Burdick and Strimple, 1971a, p. 42, Pl. 6, figs. 1, 4-7, 9, 11, 13. Webster, 1977, p. 28. Burdick and Strimple, 1983a, p. 195, Pls. 4, fig. 9; 15, figs. 1, 6, 15, 18. Webster, 1988, p. 28.

Mississippian, Viséan (Chesterian), Pride Mountain Formation, Hartselle Sandstone, Beech Creek Limestone, lower part of Fayetteville Formation, undesignated formation. United States, Alabama, Illinois, Oklahoma, Kentucky

*Acrocrinus elegans* Strimple, 1949 = *Dinacrocrinus elegans*

*Acrocrinus expansus* Strimple, 1951 = *Dinacrocrinus expansus*

*Acrocrinus intermedius* Springer, 1926 = *Springeracrocrinus intermedius*

*Acrocrinus mjatschkowensis* Yakovlev, 1926 = *Springeracrocrinus mjatschkowensis* =  
\**Paracrocrinus mjatschkowensis*

*Acrocrinus pirum* Moore and Plummer, 1938 = *Globacrocrinus pirum*

*Acrocrinus praecursor* Springer, 1926 = *Springeracrocrinus praecursor*

*Acrocrinus primitivus* Laudon and Beane, 1937 = *Protacrocrinus primitivus*

*Acrocrinus pumpkensis* Strimple, 1949 = *Metacrocrinus pumpkensis*

\**Acrocrinus shumardi* Yandell, 1855, p. 135, Unnum. Fig. Yandell, 1868, p. 341. Miller, S. A., 1889, p. 216. Wachsmuth and Springer, 1897, p. 806, Pl. 80, figs. 1-3. Weller, S., 1898c, p. 54. Grabau and Shimer, 1910, p. 523. Springer, 1926b, p. 45, Pl. 12, figs. 6-7. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 266. Moore and Strimple, 1969a, p. 7, Figs. 1, no. 1; 2, nos. 1-3. Burdick and Strimple, 1971a, p. 41, Pl. 6, figs. 2-3, 10, 12. Webster, 1977, p. 28. Moore and Strimple *in* Moore and Teichert, 1978, p. T479, Figs. 282, no. 1; 283, no. 3. Burdick and Strimple, 1983a, p. 193, Pl. 14, figs. 1-9, 11-14, 16. Ettensohn and Chestnut, 1985, p. 350, Fig. 10, no. i. Webster, 1986, p. 43. Chestnut and Ettensohn, 1988, p. 57, Pl. 9, figs. 1-7. Webster, 1988, p. 28. Webster, 1993, p. 20.  
*Acrocrinus urnaeformis* Hall, 1858c, p. 690, Pl. 25, figs. 9a-9b. Shumard, 1868, p. 341. Miller, S. A., 1889, p. 216. Weller, S., 1898c, p. 54. Bassler and Moodey, 1943, p. 266.  
Mississippian, Viséan (Chesterian), Bangor Limestone; Glen Dean Limestone; Paint Creek Formation; Pennington Formation. United States, Alabama, Illinois, Kentucky

*Acrocrinus urnaeformis* Hall, 1858 = *Acrocrinus shumardi*

*Acrocrinus wortheni* Wachsmuth, 1882 = *Dinacrocrinus wortheni*

Actinocrinid indet. Safford, 1869, frontise.  
Mississippian. United States, Tennessee

Actinocrinid indet. Webster and Jell, 1999a, p. 255, Fig. 10, nos. D-E.  
*Actinocrinus* sp. Etheridge, 1892, Pls. 14, fig. 6; 16, fig. 11 only. Willink, 1979b, p. 153. Webster, 1986, p. 310. Webster and Jell, 1999a, p. 255.  
?*Periechocrinus indicator* Etheridge, 1892, p. 78, Pl. 22, fig. 4. Bassler and Moodey, 1943, p. 598. Branson, C. C., 1948, p. 206. Webster and Jell, 1999a, p. 255.

- Periechocrinites indicator* (Etheridge, 1892). Bassler and Moodey, 1943, p. 598.  
Branson, C. C., 1948, p. 206.
- Periechocrinus?* sp. ind. Etheridge, 1892, p. 79, Fig. 1. Webster and Jell, 1999a, p. 255.  
Mississippian, Tournaisian, Wootton Beds; Mirari Limestone. Australia, Queensland, New South Wales

**ACTINOCRINITES** Miller, 1821. \**A. triacontadactylus* Miller, 1821.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

- Miller, J. S., 1821, p. 15, 94. Bronn, 1825, p. 8. Fleming, 1828, p. 495. Goldfuss, 1831, p. 193. Fischer de Waldheim, 1834, p. 322. Bronn, 1837, p. 60. Meek and Worthen, 1873, p. 330. Quenstedt, 1885, p. 954. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 266. Moore and Laudon, 1943b, p. 93, Fig. 15. Moore and Laudon, 1944, p. 193, Pl. 71, fig. 10. Cuénot, 1948, p. 69. Branson, C. C., 1948, p. 177. Ubaghs, 1953, p. 739, Figs. 60-61, 139, no. e. Philip, 1963, p. 270, Fig. 5, no. b. Arendt and Hecker, 1964, p. 96. Spreng and Parks, 1953, p. 591, Fig. 1, no. c. Webster, 1973, p. 34; Webster, 1977, p. 28. Ubaghs *in* Moore and Teichert, 1978, p. T129, Fig. 99, no. 6. Bowsher *in* Moore and Teichert, 1978, p. T454, Fig. 261, nos. 1a-1e. Haugh, 1978, p. 163, Fig. 11, no. K. Webster, 1986, p. 44. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 28. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 10, no. B. Ausich and Kammer, 1991a, p. 486, Fig. 2. Webster, 1993, p. 20. Webster and Jell, 1999a, p. 241. Ausich and Sevastopulo, 2001, p. 31. Donovan and Lewis, 2003, p. 1. Webster, et al., 2004, p. 23.

- ACTINOCRINUS** Phillips, 1836, p. 206. Agassiz, 1836, p. 196. de Koninck, 1842-1844, p. 49. Bronn, 1848, p. 14. d'Orbigny, 1849-51, p. 142. D'Orbigny, 1850, p. 155. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 246. Sandberger and Sandberger, 1850-56, p. 394. De Koninck and Le Hon, 1853, p. 125. M'Coy, 1854, p. 55. Burmeister, 1856, p. 244. Müller, J. 1857, p. 253. Pictet, 1857, p. 323, Pl. 101, fig. 3. Eichwald, 1860, p. 605. Dujardin and Hupé, 1862, p. 138. Meek and Worthen, 1866a, p. 147. Schultze, 1866, p. 59 (adv. pub.). Schultze, 1867, p. 171. Shumard, 1868, p. 341. Bigsby, 1868, p. 18. Zittel, 1880, p. 344, 369. Miller, S. A., 1889, p. 216. Steinmann and Döderlein, 1890, p. 154, 156, Figs. 156, no. D; 157, no. D (plate diagrams). Wachsmuth and Springer, 1881, p. 96. Lahusen, 1895, p. 139, 151, Fig. 186. Zittel, 1895, p. 128. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 552. Bather *in* Lankester, 1900, p. 132. Wachsmuth *in* Zittel, 1900, p. 141. Steinmann, 1903, p. 177, Fig. 246, no. D. Delage and Herouard, 1903, p. 385. Steinmann, 1907, p. 198, Figs. 267, no. D; 281, no. D (plate diagrams). Grabau and Shimer, 1910, p. 524. Springer *in* Zittel, 1913, p. 197. Abel, 1924, p. 276. Schmidt, H., 1929, p. 82. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 266. Termier, G. and Termier, H., 1947, p. 255, Pl.

19, fig. 11. Webster, 1973, p. 34.

- AMPHORA** Cumberland, 1826, p. 36. Bassler, 1938, p. 39. Bassler and Moodey, 1943, p. 266.

- PHILLISOOCRINUS** M'Coy, 1844. \**P. caryocrinoides* M'Coy, 1844. M'Coy, 1844, p. 183. d'Orbigny, 1849-1851, p. 145. Dujardin and Hupé, 1862, p. 145. Zittel,

1880, p. 372. Wachsmuth and Springer, 1881, p. 119. Bather *in* Lankester, 1900,

p. 170. Bassler, 1938, p. 151. Bassler and Moodey, 1943, p. 266.

Ubaghs *in* Moore and Teichert, 1978, p. 519.

*DIATOROCRINUS* Wright, 1955. \**D. angustus* Wright, 1955. Wright, J., 1955a, p. 235. Webster, 1973, p. 106. Macurda, 1974, p. 827. Bowsher *in* Moore and Teichert, 1978, p. T455. Webster, 1986, p. 126. Webster and Lane, 1987, p. 11. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 50. Donovan and Lewis, 2003, p. 2.

Named, currently recognized species based on cups or crowns: 3 Silurian species (not *Actinocrinites*, GDW). 75 species. 4 Devonian, 1 Givetian, 3 Famennian; 63 Mississippian, 14 Tournaisian, 2 Tournaisian-Viséan, 45 Viséan, 2 Serpukhovian; 8 Permian, series uncertain

Middle - Late Devonian. Europe

Mississippian, Tournaisian. Australia, Japan

Mississippian, Tournaisian - Viséan. Europe,

Mississippian, Viséan. Northern Africa

Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian). North America

Mississippian, Serpukhovian. Africa, Algeria

Permian, series uncertain. Timor

*Actinocrinites aculeatus* Austin and Austin, 1842 = *Dialutocrinus aculeatus*

*Actinocrinites aculeatus* Austin and Austin, 1842 or *A. longispinosus* Austin and Austin, 1842. Wright, J., 1943b, p. 233, Pl. 8, fig. 2. Webster, 1973, p. 35. Mississippian, Tournaisian?. Ireland

*Actinocrinites adversus* (Wright, 1955). Ausich and Kammer, 2006, p. 101.

*Diatorocrinus adversus* Wright, J., 1955a, p. 237, Pl. 53, figs. 8, 15-20. Webster, 1973, p. 106. Ausich and Kammer, 2006, p. 101.

Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites agassizii* Troost, 1850 = *Eretmocrinus ramulosus*

*Actinocrinites alatus* Wright, J., 1955a, p. 224, Pl. 56, figs. 12, 15. Webster, 1973, p. 35.

Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites albersi* (Miller and Gurley, 1897) = *Actinocrinites multiradiatus*

*Actinocrinites amphora* (Gilbertson *in* Portlock, 1843) = *Amphorocrinus gilbertsoni*

*Actinocrinites anchorensis* Webster and Lane, 1987, p. 14, Fig. 5, nos. 8-11. Webster, 1993, p. 20.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Actinocrinites anglicus* (Wright, 1955). Ausich and Kammer, 2006, p. 101.

*Diatorocrinus anglicus* Wright, J., 1955a, p. 238, Pls. 54, figs. 9-13; 56, fig. 1.

- Webster, 1973, p. 106. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 2. Ausich and Kammer, 2006, p. 101.  
Mississippian, early Viséan. United Kingdom, Scotland
- Actinocrinites angustus* (Wright, 1955). Ausich and Kammer, 2006, p. 101.  
*Diatorocrinus angustus* Wright, J., 1955a, p. 235, Pl. 53, figs. 4-5. Webster, 1973, p. 106. Bowsher in Moore and Teichert, 1978, p. T455, Fig. 263, no. 2. Webster, 1986, p. 126. Ausich and Kammer, 2006, p. 101.  
Mississippian, early Viséan. United Kingdom, Scotland
- Actinocrinites armatus* (de Koninck and Le Hon, 1854) = *Nunnocrinus armatus*
- Actinocrinites arrosus* (Miller, 1892) = *Aacocrinus arrosus* = *Cactocrinus arrosus*
- Actinocrinites? arthriticus* Phillips, 1839 = *Gissocrinus arthriticus*
- Actinocrinites asperrimus* (Meek and Worthen, 1870) = *Cusacrinus asperrimus*
- Actinocrinites augustatus* (Miller and Gurley, 1894) = *Actinocrinites jugosus*
- Actinocrinites batheri* (Whidborne, 1896). Lane, Maples, and Waters, 2001a, p. 1058, Pl. 3, figs. 2-3 (not Pl. 4, figs. 2-3; plate explanations reversed).  
*Actinocrinus? batheri* Whidborne, 1896, p. 377. Whidborne, 1899, p. 222, Pl. 32, figs. 2-3. Bassler and Moodey, 1943, p. 267.  
*Actinocrinites? batheri* (Whidborne, 1896). Bassler and Moodey, 1943, p. 267.  
Devonian, Famennian, Pilton Beds. United Kingdom, North Devon
- Actinocrinites? batheri* (Whidborne, 1896) = *Actinocrinites batheri*
- Actinocrinites becharensis* Webster et al., 2004, p. 23, Pl. 3, figs. 17-20.  
Mississippian, Serpukhovian, E1, El Guelmouna Formation, Aïn Mezerelt Member.  
Algeria
- Actinocrinites benedicti* (Miller, 1892). Bassler and Moodey, 1943, p. 267. Brower, 1965, p. 791. Webster, 1973, p. 35.  
*Steganocrinus bendicti* Miller, S. A., 1890b, p. 27 (adv. pub.). Miller, S. A., 1892a, p. 682, Fig. 1248. Miller, S. A., 1892c, p. 27, Pl. 4, figs. 10-12. Miller, S. A., 1894, p. 281, Pl. 4, figs. 10-12. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 267.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Actinocrinites bischoffi* (Miller and Gurley, 1896) = *Cusacrinus bischoffi*
- Actinocrinites blairi* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 267.  
Brower, 1965, p. 791. Webster, 1973, p. 35.  
*Steganocrinus blairi* Miller and Gurley, 1897, p. 35, Pl. 2, figs. 21-22. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 167.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Actinocrinites boonensis* (Peck and Keyte, 1938) = *Aacocrinus boonensis*

*Actinocrinites botruosus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 268.  
*Actinocrinus botruosus* Miller and Gurley, 1895a, p. 22, Pl. 2, figs. 1-2. Miller, S. A., 1897, p. 731, Figs. 1276-1277. Weller, S., 1898c, p. 56. Bassler and Moodey, 1943, p. 268.  
 Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Tennessee

*Actinocrinites brevispina* (Wanner, 1924). Bassler and Moodey, 1943, p. 268.  
 Branson, C. C., 1948, p. 177.  
*Actinocrinus brevispina* Wanner, 1924, p. 71, Pl. 1, figs. 5-8. Bassler and Moodey, 1943, p. 268. Branson, C. C., 1948, p. 177.  
 Permian, series uncertain. Timor

*Actinocrinites brontes* (Hall, 1859) = *Actinocrinites lowei*

*Actinocrinites brouweri* (Wanner, 1924). Bassler and Moodey, 1943, p. 268. Branson, C. C., 1948, p. 177.  
*Actinocrinus brouweri* Wanner, 1924, p. 68, Pl. 1, figs. 11-12. Wanner, 1937, p. 64, Pl. 5, fig. 7. Bassler and Moodey, 1943, p. 268. Branson, C. C., 1948, p. 177.  
 Permian, series uncertain. Timor

*Actinocrinites* cf. *A. brouweri* (Wanner, 1924). Webster, 1987, p. 99, Fig. 3, nos. A-E.  
 Webster, 1993, p. 20. Teichert and Webster, 1993, p. 1, Pl. 65, figs. 1-3.  
 Permian, late Sakmarian, Callytharra Formation. Australia, Western Australia

*Actinocrinites carinatus* (Wanner, 1937). Bassler and Moodey, 1943, p. 268. Branson, C. C., 1948, p. 177.  
*Actinocrinus carinatus* Wanner, 1937, p. 65, Pl. 5, figs. 8-12. Marez Oyens, 1940a, p. 298, Pl. 1, fig. 3. Bassler and Moodey, 1943, p. 268. Branson, C. C., 1948, p. 177.  
 Permian, series uncertain. Timor

*Actinocrinites caryocrinoides* (M'Coy, 1844). Bassler and Moodey, 1943, p. 268.  
*Actinocrinus caryocrinoides* M'Coy, 1844, p. 183, Pl. 26, fig. 5. Bassler and Moodey, 1943, p. 268.  
*Cyathocrinus caryocrinoides* (M'Coy, 1844). d'Orbigny, 1849-51, p. 145, Figs. 293, 382. D'Orbigny, 1850, p. 157.  
*Phillipsocrinus caryocrinoides* (M'Coy, 1844). Dujardin and Hupé, 1862, p. 145. Bassler, 1938, p. 151.  
 Mississippian, Tournaisian, Mountain Limestone. Ireland

*Actinocrinites cataphractus* Austin and Austin, 1843 = *Dialutocrinus cataphractus*

*Actinocrinites chouteauensis* (Miller, 1892) = *Aacocrinus chouteauensis*

*Actinocrinites combinatus* Webster, 2004, p. 24, Pl. 4, figs. 6-9.



Mississippian, Serpukhovian, E1, El Guelmouna Formation, Ain Mezerelt Member.  
Algeria

*Actinocrinites comptus* Wright, J., 1955a, p. 226, Pl. 58, figs. 7, 10. Webster, 1973, p. 35.

Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites constrictus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 268.

*Actinocrinus constrictus* M'Coy, 1844, p. 181, Pl. 27, fig. 3. Bassler and Moodey, 1943, p. 268.

*Dimerocrinus constrictus* (M'Coy, 1844). d'Orbigny, 1849, p. 156. Bassler and Moodey, 1943, p. 268.

Mississippian, Tournaisian, Mountain Limestone. Ireland

*Actinocrinites coplowensis* Wright, J., 1955a, p. 218, Pls. 55, figs. 12-13; 56, figs. 2-3; 57, figs. 5-10. Webster, 1973, p. 35. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 7.

Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites cornutus* Troost, 1850 = *Eretmocrinus praegravis*

*Actinocrinites costatus* (Austin and Austin, 1842) = *\*Periechocrinus costatus* = *Magnuscrinus praegravis*

*Actinocrinites costus* (M'Coy, 1844). Moore, 1948, p. 390, Fig. 11. Webster, 1973, p. 35. Ausich and Kammer, 2006, p. 101 (considered *nomen dubium*).

*Actinocrinus costus* M'Coy, 1844, p. 181, Pl. 26, fig. 2. d'Orbigny, 1850, p. 155. De Koninck and Le Hon, 1853, p. 129, Pl. 3, figs. 2a-2b; 4, figs. 1a-1d. Dujardin and Hupé, 1862, p. 139. Bassler and Moodey, 1943, p. 610. Webster, 1973, p. 35.

*Physetocrinus costus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 610. Wright, J., 1955a, p. 240. Webster, 1973, p. 206.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom, Ireland, Belgium

*Actinocrinites crassus* Austin and Austin, 1843 = *Amphoracrinus crassus*

*Actinocrinites cristii* Shumard, 1855 = *Eutrochocrinus christyi*

*Actinocrinites cyathiformis* (Sandberger and Sandberger, 1855). Bassler and Moodey, 1943, p. 269. (Not an *Actinocrinites*, GDW.)

*Actinocrinus cyathiformis* Sandberger and Sandberger, 1850-1856 (1855), p. 394, Pl. 35, fig. 13. Holzapfel, 1895, p. 302. Bassler and Moodey, 1943, p. 269.

Devonian, Givetian, *Stringocephalus* Limestone. Germany

*Actinocrinites daphne* (Hall, 1863) = *Cusacrinus daphne*

*Actinocrinites decadactylus* Tannenbergs in Goldfuss 1839 = *Ctenocrinus decadactylus*

- Actinocrinites decadactylus* (Gilbertson *in* Portlock, 1843), *non* Tannenberg, 1839.  
Bassler and Moodey, 1943, p. 269.  
*Actinocrinus decadactylus?* Gilbertson *in* Portlock, 1843, p. 349. Wachsmuth and Springer, 1881, p. 143. Bassler and Moodey, 1943, p. 269.  
Mississippian, Tournaisian, Mountain Limestone. Ireland
- Actinocrinites delicatus* (Meek and Worthen, 1870) = *Teleiocrinus umbrosus*
- Actinocrinites deornatus* (de Koninck and Le Hon, 1854) = *Nunnacrinus deornatus*
- Actinocrinites depressus* Wright, J., 1955a, p. 222, Pl. 55, figs. 1-3. Webster, 1973, p. 35.  
Mississippian, Viséan. United Kingdom, Scotland
- Actinocrinites dilatatus* (Wanner, 1924). Bassler and Moodey, 1943, p. 269. Branson, C. C., 1948, p. 177.  
*Actinocrinus dilatatus* Wanner, 1924, p. 70, Pl. 1, figs. 9-10. Bassler and Moodey, 1943, p. 269. Branson, C. C., 1948, p. 177.  
Permian, series uncertain. Timor
- Actinocrinites dorsatus* (de Koninck and Le Hon, 1854) = *Nunnacrinus dorsatus* = *lotacrinus dorsatus*
- Actinocrinites elephantinus* Austin and Austin, 1843 = *Cusacrinus elephantinus* = *Dialutocrinus elephantinus* = *Dialutocrinus icosidactylus*
- Actinocrinites elongatus* Wright, J., 1955a, p. 219, Pl. 53, figs. 10-12. Webster, 1973, p. 35.  
Mississippian, Viséan. United Kingdom, Scotland
- Actinocrinites equibrachiatus* var. *alatus* (Hall, 1861) = *Uperocrinus equibrachiatus asteriscus*
- Actinocrinites erraticus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 269.  
*Actinocrinus erraticus* Miller and Gurley, 1893, p. 14, Pl. 2, figs. 2-3. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 269.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Illinois
- Actinocrinites eximius* (Kirk, 1943). Webster, 1973, p. 35. Lee, Ausich, and Kammer, 2005, p. 341.  
*Actinocrinus eximius* Kirk, 1943a, p. 264. Webster, 1973, p. 35.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Nada Member, Borden Formation. United States, Illinois, Missouri, Kentucky
- Actinocrinites exornatus* (Wanner, 1937). Bassler and Moodey, 1943, p. 269.  
Branson, C. C., 1948, p. 177.

*Actinocrinus exornatus* Wanner, 1937, p. 62, Pl. 5, figs. 4-6. Bassler and Moodey, 1943, p. 269. Branson, C. C., 1948, p. 177.  
Permian, series uncertain. Timor

*Actinocrinites? expansus* Phillips, 1839 = *Sagenocrinus expansus*

*Actinocrinites fibula* Troost, 1850 = *Dizygocrinus sacculus* = *Batocrinus spergensis* = *Glannearycrinus spergensis*

*Actinocrinites foveatus* (Miller and Gurley, 1895) = *Nunnocrinus foveatus*

*Actinocrinites gibbosus* Troost, 1850 = *Abatocrinus steropes*

*Actinocrinites gibsoni* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 269. Van Sant *in* Van Sant and Lane, 1964, p. 106. Webster, 1973, p. 35. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 11, no. E. Ausich and Kammer, 1991a, p. 497, Figs. 3, 8.4. Webster, 1993, p. 20. Ausich *in* Hess et al., 1999 p. 147, Fig. 157. Oji, 2001, p. 399, Fig. 1, no. A. Gahn and Baumiller, 2006, p. 400, Figs. 3-4.

*Actinocrinus gibsoni* Miller and Gurley, 1893, p. 10, Pl. 2, fig. 1. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 269. Ausich and Kammer, 1991a, p. 497.

*Actinocrinus multiramosus* Wachsmuth and Springer, 1897, p. 564, Pls. 53, fig. 1; 55, fig. 3. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 61. Rowley, R. R., 1906b, p. 31, Pl. 6, fig. 15. Clarke, 1909b, p. 165, Pl. 6, fig. 8. Clarke, 1921b, p. 78, Fig. 65. Dacqué, 1921, p. 468, Fig. 223. Bassler and Moodey, 1943, p. 272. Webster, 1973, p. 35. Ausich and Kammer, 1991a, p. 497. Ausich and Simms *in* Hess et al., 1999 p. 56, Fig. 64.

*Actinocrinites multiramosus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 272. Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 29. Lane *in* Moore and Teichert, 1978, p. T346, Fig. 217, no. 1. Webster, 1986, p. 44. Ausich and Kammer, 1991a, p. 497.

*Actionocrinus multiramosus* (Wachsmuth and Springer, 1897). Van Sant *in* Van Sant and Lane, 1964, p. 106.

Mississippian, Viséan (middle late Osagean), Edwardsville Formation, Keokuk Limestone, Harrodsburg Limestone. United States, Indiana, Iowa

*Actinocrinites gibsoni?* (Miller and Gurley, 1893). Feldman, 1989b, p. 903, Fig. 3, no. 10 (given as *Actinocrinites* sp. on figure explanation). Webster, 1993, p. 20. Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member. United States, Kentucky

*Actinocrinites gilbertsoni* Miller *in* Phillips, 1836 = *Amphorocrinus gilbertsoni*

*Actinocrinites goldfussi* (Schmidt, 1930). Bassler and Moodey, 1943, p. 270.

*Actinocrinus goldfussi* Schmidt, W. E., 1930, p. 23, Pl. 1, fig. 11. Bassler and Moodey, 1943, p. 270.

*Actinocrinus laevis* Goldfuss, 1831 (*non* Miller, 1821), p. 193, Pl. 59, figs. 3a-3c.  
 Quenstedt, 1867, p. 746, Pl. 69, figs. 5-6. Bassler and Moodey, 1943, p. 270.  
 Mississippian, Viséan. Germany

*Actinocrinites gracilis* (Wachsmuth and Springer, 1897) = *Cusacrinus gracilis*

*Actinocrinites grandissimus* Van Sant, 1965, p. 290, Figs. 1-2. Webster, 1973, p. 35.  
*Actinocrinus grandis* Miller and Gurley, 1891 (*non* Lyon and Casseday, 1859), p.  
 346 (25), Pls. 5, fig. 1; 6, fig. 1. Miller, S. A., 1892a, p. 672. Weller, S., 1898c, p.  
 58. Bassler and Moodey, 1943, p. 272. Van Sant, 1965, p. 290. Webster, 1973,  
 p. 35.  
 Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Actinocrinites granulatus* Austin and Austin, 1843 = *Amphoracrinus granulatus*

*Actinocrinites granulatus* Goldfuss, 1831 (*non* Austin and Austin, 1843), p. 193, Pl. 59,  
 figs. 4a-4k. Bassler and Moodey, 1943, p. 270.  
*Actinocrinus? granulatus* (Goldfuss, 1831). Bronn, 1848, p. 14. Dujardin and Hupé,  
 1862, p. 139. Schmidt, W. E., 1930, p. 24. Bassler and Moodey, 1943, p. 270.  
 Mississippian, Viséan. Germany

*Actinocrinites granulatus* Eichwald, 1840b (*non* Goldfuss, 1831) p. 175, unfig. (not  
 an *Actinocrinites*, GDW.)  
 Silurian. Estonia

*Actinocrinites granulatus* (Wright, 1955). Ausich and Sevastopulo, 2001, p. 35, Pl. 3,  
 figs. 8-11.  
*Dialutocrinus? granulatus* Wright, 1955b, p. 256, Pl. 65, fig. 7. Webster, 1973, p.  
 105. Ausich and Sevastopulo, 2001, p. 35.  
 Mississippian, late Tournaisian, Hook Head Formation, Supradolomite Beds and  
*Linoproductus* Beds. Ireland

*Actinocrinites griffithi* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943,  
 p. 270. Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 28.  
*Actinocrinus griffithi* Wachsmuth and Springer, 1897, p. 568, Pl. 52, fig. 7. Miller, S.  
 A., 1897, p. 731. Weller, S., 1898c, p. 59. Bassler and Moodey, 1943, p. 270.  
 Kirk, 1943a, p. 264. Webster, 1973, p. 35.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Actinocrinites hemisphericus* (Miller and Gurley, 1895) = *Sampsonocrinus*  
*hemisphericus*

*Actinocrinites higuchisawensis* (Minato, 1951). Webster, 1973, p. 36.  
*Actinocrinus higuchisawensis* Minato, 1951, p. 358, Pl. 1, fig. 16. Shikama, 1964,  
 p. 168, Pl. 61, fig. 3. Webster, 1973, p. 36. Minato *et al.* in Minato *et al.*, 1979,  
 p. 75, Pls. 18, fig. 3; 19, fig. 2.

Mississippian, Tournaisian, Hikoroichi Formation. Northern Japan

*Actinocrinites holbrooki* Troost in Wood, 1909 = *Uperocrinus robustus*

*Actinocrinites humboldti* Troost, 1850 = *Actinocrinites magnificus*

*Actinocrinites humboldtii* Troost, 1850 = *Actinocrinites magnificus*

*Actinocrinites icosidactylus* (Portlock, 1843) = *Dialutocrinus icosidactylus*

*Actinocrinites intermedius* Wright, J., 1955a, p. 223, Pl. 56, figs. 10, 17. Webster, 1973, p. 36.

Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites jessieae* (Miller and Gurley, 1896) = *Nunnacrinus jessieae*

*Actinocrinites jugosus* (Hall, 1859). Bassler and Moodey, 1943, p. 270. Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 28. Ausich and Kammer, 1991a, p. 495, Figs. 3, 7.1-7.7. Meyer and Ausich, 2009, p. 7, Fig. 5, no. D.

*Actinocrinus jugosus* Hall, 1859a, p. 49. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Wachsmuth and Springer, 1897, p. 563, Pl. 54, fig. 1. Weller, S., 1898c, p. 59. Bassler and Moodey, 1943, p. 270. Ausich and Kammer, 1991a, p. 495.

*Actinocrinites augustatus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 267. Ausich and Kammer, 1991a, p. 495.

*Actinocrinus augustatus* Miller and Gurley, 1893, p. 11. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 55 (sic). Bassler and Moodey, 1943, p. 267. Ausich and Kammer, 1991a, p. 495.

*Actinocrinus magnificus* Wachsmuth and Springer, 1897 (part). Ausich and Kammer, 1991a, p. 495.

Mississippian, Viséan (middle late Osagean), lower part of Warsaw Formation, Fort Payne Formation. United States, Illinois, Iowa, Tennessee, Kentucky

*Actinocrinites laevis* Miller, J. S., 1821, p. 105. Bassler and Moodey, 1943, p. 270.

*Actinocrinus laevis* (Miller, 1821). de Koninck and Le Hon, 1844, p. 52, Pl. G, figs. 4a-4c. Bronn, 1848, p. 14. d'Orbigny, 1850, p. 155. de Koninck and Le Hon, 1853, p. 152, Pl. 3, fig. 6. Dujardin and Hupé, 1862, p. 141. Bassler and Moodey, 1943, p. 270. Ausich and Kammer, 2006, p. 101 (considered *nomen dubium*).

*Encrinus dubius* Schlotheim, 1823, p. 100, Pl. 28, figs. 2a-2b. Schlotheim, 1832, p. 25, Pl. 28, figs. 2a-2h. Bassler and Moodey, 1943, p. 270.

*Encrinites (Pentacrinites) dubius* Quenstedt, 1835, p. 226, Pl. 4, fig. 2. Bassler and Moodey, 1943, p. 271.

Mississippian, Tournaisian, Mountain Limestone. Ireland, Belgium

*Actinocrinites laevis* Goldfuss, 1831 = *Actinocrinites goldfussi*

*Actinocrinites laevissimus* Austin and Austin, 1843 = *Dialutocrinus laevissimus* =  
*Actinocrinites laevissimus*

*Actinocrinites laevissimus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 201. Bassler and Moodey, 1943, p. 271. Wright, J., 1955a, p. 252. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 33, Pl. 3, figs. 1-7.

*Actinocrinus laevissimus* (Austin and Austin, 1843). Bronn, 1848, p. 14.

*Dialutocrinus laevissimus* (Austin and Austin, 1843). Wright, J., 1955a, p. 252, Pls. 59, fig. 7; 61, figs. 5-6; 64, figs. 7-8; Figs. 119, 124. Webster, 1973, p. 105. Bowsher in Moore and Teichert, 1978, p. T460, Fig. 267, nos. 1a-1d. Webster, 1986, p. 126.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds to Supradolomite Beds. Ireland

*Actinocrinites lobatus* (Hall, 1859). Bassler and Moodey, 1943, p. 271.

*Actinocrinus lobatus* Hall, 1859a, p. 51. Wachsmuth and Springer, 1897, p. 557, Pl. 55, figs. 1a-1b. Weller, S., 1898c, p. 59. Grabau and Shimer, 1910, p. 525. Bassler and Moodey, 1943, p. 271.

Mississippian, Viséan (Osagean), Warsaw Formation; Edwardsville Formation; upper part of Burlington Limestone, Burlington-Keokuk transition beds, Keokuk

Beds. United States, Indiana, Iowa, Illinois, Missouri

*Actinocrinites lobatus* (Hall, 1859) (part) = *Actinocrinites lowei*

*Actinocrinites lobatus* (Hall, 1859) (part) = *Actinocrinites probolos*

?*Actinocrinites lobatus*? (Hall, 1859) Ausich, 1983 = *Actinocrinites probolos*

*Actinocrinites longispinosus* Austin and Austin, 1843 = *Dialutocrinus longispinosus*

*Actinocrinites longus* (Meek and Worthen, 1870) = *Cactocrinus longus* = *Cusacrinus longus*

*Actinocrinites lowei* (Hall, 1858). Bassler and Moodey, 1943, p. 271. Moore and Laudon, 1944, p. 193, Pl. 76, fig. 4. Laudon, 1948, Pl. 3. Laudon, 1973b, p. 31, Figs. 1, 5. Haugh, 1973a, p. 82, Pls. 1, fig. 9; 3, fig. 2, Fig. 6, no. e. Webster, 1973, p. 36. Webster, 1977, p. 28. Ubaghs in Moore and Teichert, 1978, p.

T197,

Fig. 166, no. 4. Webster, 1986, p. 44. Ausich and Kammer, 1991a, p. 490, Figs. 3, 5.1-6.9.

*Actinocrinus lowei* Hall, 1858c, p. 611, Pl. 15, figs. 5a-5b; Fig. 93. Shumard, 1868, p. 345. Wachsmuth and Springer, 1897, p. 562, Pl. 54, Fig. 2. Weller, S., 1898c, p. 60. Grabau and Shimer, 1910, p. 525, Fig. 1850. Bassler and Moodey, 1943, p. 271. Ausich and Kammer, 1991a, p. 490.

*Actinocrinus lowii* Hall, 1858. Miller, S. A., 1889, p. 218.

?*Actinocrinites "lowei"* (Hall, 1858). Ausich and Kammer, 1991a, p. 490.

*Actinocrinites brontes* Hall, 1859a, p. 47. Bassler and Moodey, 1943, p. 271.

Ausich and Kammer, 1991a, p. 490.

*Actinocrinus brontes* (Hall, 1859). Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 60.

*Actinocrinus lobatus* Hall, 1859. Shumard, 1868, p. 345. Miller, S. A., 1889, p.

218. Miller, S. A., 1897, p. 731. Ausich and Kammer, 1991a, p. 490.

*Actinocrinus lobatus* Worthen, 1890 (*non* Hall, 1859), p. 97, Pl. 12, figs. 8-8a.

Wachsmuth and Springer, 1897, p. 557. Bassler and Moodey, 1943, p. 267.

Ausich and Kammer, 1991a, p. 495.

*Actinocrinites lobatus* (Hall, 1859). Ausich and Kammer, 1991a, p. 490.

*Actinocrinus unicarinatus* Hall, 1859a, p. 48. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 557. Weller, S., 1898c, p. 65.

Bassler and Moodey, 1943, p. 276. Ausich and Kammer, 1991a, p. 490.

*Actinocrinites unicarinatus* (Hall, 1859). Bassler and Moodey, 1943, p. 276.

Ausich and Kammer, 1991a, p. 490.

Mississippian, Viséan (middle-late Osagean), upper part of Burlington Limestone, Montrose Chert Member, Keokuk Limestone, lower part of Warsaw Formation, Edwardsville Formation, Harrodsburg Limestone, Fort Payne Formation. United States, Illinois, Iowa, Missouri, Indiana

?*Actinocrinites "lowei"* (Hall, 1858) = *Actinocrinites lowei*

*Actinocrinites magnificus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 271. Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 29. Ausich and Kammer, 1991a, p. 498. Ausich and Simms *in* Hess et al., 1999 p. 56, Fig. 64.

*Actinocrinus magnificus* Wachsmuth and Springer, 1897, p. 558, Pl. 53, fig. 2.

Wood, E., 1909, p. 80, Pl. 1, fig. 1. Abel, 1920, p. 264, Fig. 408. Bassler and Moodey, 1943, p. 271. Ausich and Kammer, 1991a, p. 498.

*Actinocrinites humboldtii* Troost, 1850a, p. 60 (*nomen nudum*). Troost, 1850b, p. 419. Bassler and Moodey, 1943, p. 271. Ausich and Kammer, 1991a, p. 498.

*Actinocrinus humboldtii* (Troost, 1850). Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218.

Crinoid Bassler, 1909, p. 141, Pl. 24, fig. 8. (Type of Troost's *Actinocrinites humboldti*)

Mississippian, Viséan (middle late Osagean), Edwardsville Formation, Fort Payne Chert; Tullahoma Formation. United States, Indiana, Tennessee

*Actinocrinites major* (Angelin, 1878) = *Actinocrinus major*

*Actinocrinites marcoui* (Collingnon, 1924). Bassler and Moodey, 1943, p. 271.

*Actinocrinus marcoui* Collingnon, 1924, p. 13, Fig. 1-3. Bassler and Moodey, 1943, p. 271.

Mississippian, Viséan (Osagean), Williams Canon Formation. United States, Colorado

*Actinocrinites marineri* Troost *in* Wood, 1909 = *Eretmocrinus spinosus* = *Magnuscrinus spinosus*

*Actinocrinites milleri* (Peck and Keyte, 1938) = *Aacocrinus milleri* = *Aacocrinus sampsoni*

*Actinocrinites moderatus* Wright, 1955 = *lotacrinus moderatus*

*Actinocrinites moniliformis* Miller, 1821 = *Periechocrinites moniliformis* = *Periechocrinus moniliformis*

*Actinocrinites moniliformis* Miller; Troost, 1849, 1850a, 1850b = *Periechocrinus?* sp.

*Actinocrinites moniliformis* Miller; Wachsmuth and Springer, 1882 = *Periechocrinus?* sp.

*Actinocrinites monticuliferus* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p. 272.

*Actinocrinus monticuliferus* Miller and Gurley, 1894b, p. 46, Pl. 4, fig. 1. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 60. Bassler and Moodey, 1943, p. 272. Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Tennessee

*Actinocrinites mortoni* Troost, 1850, part = *Dizygocrinus unionensis* = *Globocrinus unionensis*

*Actinocrinites mortoni* Troost, 1850, part = *Dizygocrinus gorbyi*

*Actinocrinites multiradiatus* (Shumard, 1857). Bassler and Moodey, 1943, p. 272.

Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 10. Moore and Laudon, 1944, p. 193, Pl. 76, fig. 3. Laudon, 1948, Pl. 3. Brower, 1965, p. 791. Laudon, 1973b, p. 29, Fig. 5. Webster, 1973, p. 36. Macurda, 1974, p. 823, Figs. 1-2. Webster, 1977, p. 29. Bowsher *in* Moore and Teichert, 1978, p. T455, Fig. 261, no. 1f.

*Actinocrinus multiradiatus* Shumard, 1857, p. 75, Pl. 1, fig. 5. Hall, 1858c, p. 579, Pl. 10, fig. 9. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 219. Keyes, 1890a, Pl. 8, fig. 3. Keyes, 1894a, p. 188, Pl. 20, fig. 3. Wachsmuth and Springer, 1897, p. 109, Pl. 52, figs. 3-6. Weller, S., 1898c, p. 60. Grabau and Shimer, 1910, p. 525. Wilson, H. E., 1916, p. 509, Pl. 2, fig. 9. Schmidt, H., 1929, p. 82, Pl. 20, fig. 14. Bassler and Moodey, 1943, p. 272. Kirk, 1943a, p. 264. Webster, 1973, p. 36.

*Actinocrinus albersi* Miller and Gurley, 1895b, p. 46, Pl. 2, figs. 21-23. Miller, S. A., 1897, p. 730. Weller, S., 1898c, p. 55. Peck and Keyte, 1938, p. 81. Bassler and Moodey, 1943, p. 267.

*Actinocrinites albersi* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 267. Brower, 1965, p. 792. Webster, 1973, p. 36. Webster, 1986, p. 44.

*Steganocrinus albersi* (Miller and Gurley, 1895). Miller and Gurley, 1897, p. 33, Pl. 2, figs. 13-16. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 599. Brower, 1965, p. 792. Webster, 1973, p. 36.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; upper part of Burlington Limestone, Keokuk Beds. United States, Iowa, Illinois, Missouri



- Actinocrinites multiramosus* (Wachsmuth and Springer, 1897) = *Actinocrinites gibsoni*
- Actinocrinites multiramosus altidorsatus* (Rowley, 1904). Bassler and Moodey, 1943, p. 272.  
*Actinocrinus multiramosus* var. *altidorsatus* Rowley, R. R., 1904c, p. 187, Pl. 57, figs. 1-2.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Actinocrinites nashvillae* Troost, 1850 = *Actinocrinus nashvillae* = *Batocrinus nashvillae* = *Lobocrinus nashville* = *Uperocrinus nashvillae*
- Actinocrinites nodosus* Wright, J., 1955a, p. 221, Pl. 55, figs. 7-8. Webster, 1973, p. 36. Ausich and Kammer, 2006, p. 101, Fig. 1, no. E.  
 Mississippian, Tournaisian, Chadian – Viséan. United Kingdom, Scotland; Australia, New South Wales
- Actinocrinites nodosus* Wright, 1955, Pickett, 1960 = *Glyphyocrinus expansus*
- Actinocrinites ohmoriensis* (Minato, 1951). Webster, 1973, p. 36.  
*Actinocrinus ohmoriensis* Minato, 1951, p. 359, Pl. 4, fig. 5 (*non* Pl. 5 as given in text). Shikama, 1964, p. 168, Pl. 61, fig. 4. Webster, 1973, p. 36. Minato *et al.*, *in* Minato *et al.*, 1979, p. 74, Pls. 18, fig. 4; 19, fig. 7.  
 Mississippian, Tournaisian, Hikoroichi Formation. Northern Japan
- Actinocrinites olla* (M'Coy, 1849) = *Ectocrinus olla*
- Actinocrinites? ornatus* (Hall, 1858) = *Physetocrinus ornatus*
- Actinocrinites pallubrum* (Miller and Gurley, 1896) = *Nunnacrinus pallubrum*
- Actinocrinites parkinsoni* Wright, J., 1955a, p. 221, Pls. 54, figs. 1-4; 57, fig. 12. Webster, 1973, p. 36.  
 Mississippian, Viséan. United Kingdom, Scotland
- Actinocrinites penicillus* Meek and Worthen, 1870 = *Cusacrinus penicillus*
- Actinocrinites pentactis* (Quenstedt, 1867) = *Actinocrinus pentactis*
- Actinocrinites permicus* (Wanner, 1924). Bassler and Moodey, 1943, p. 272. Branson, C. C., 1948, p. 177.  
*Actinocrinus permicus* Wanner, 1924, p. 65, Pl. 1, figs. 1-2. Bassler and Moodey, 1943, p. 272. Branson, C. C., 1948, p. 177.  
 Permian, series uncertain. Timor
- Actinocrinites pernodosus* (Hall, 1858). Bassler and Moodey, 1943, p. 272. Laudon, 1948, Pl. 3. Laudon, 1973b, p. 29, Fig. 5. Macurda, 1974, p. 823, Figs. 1-2.

- Webster, 1977, p. 29. Webster, 1986, p. 44. Ausich and Kammer, 1991a, p. 487, Figs. 3, 4.1-4.10.
- Actinocrinus pernodosus* Hall, 1858c, p. 608, Pls. 15, figs. 3a-3b; Fig. 91.  
Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Wachsmuth and Springer, 1897, p. 561, Pl. 55, figs. 2a-2b. Weller, S., 1898c, p. 61. Grabau and Shimer, 1910, p. 525. Bassler and Moodey, 1943, p. 272. Webster, 1973, p. 36. Ausich and Kammer, 1991a, p. 487.
- Actinocrinus pernodosus* var.? Hall, 1858c, Pl. 16, fig. 7. Ausich and Kammer, 1991a, p. 487.
- Mississippian, Viséan (late Osagean-Meramecian), Keokuk Limestone, lower and upper parts of the Warsaw Formation, Harrodsburg Limestone. United States, Illinois, Iowa, Missouri, Indiana
- Actinocrinites pettisensis* (Miller and Gurley, 1896) = *Nunnacrinus pettisensis*
- Actinocrinites plagosus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 273.  
*Actinocrinus plagosus* Miller and Gurley, 1893, p. 16, Pl. 2, figs. 5-6. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 273.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Actinocrinites? plumosus* (Hall, 1843) = *Glyptocrinus plumosus*
- Actinocrinites polydactylus* Miller, 1821 = *Dialutocrinus polydactylus*
- Actinocrinites polydactylus* Bonny, 1835 (*non* Miller, 1821) = *Ctenocrinus pachydactylus*
- ?*Actinocrinites polydactylus* Miller, 1821. Webster and Jell, 1999a, p. 241.  
*Actinocrinus polydactylus* de Koninck, 1877-1878, p. 160, Pl. 6, fig. 3. Webster and Jell, 1999a, p. 241.  
Mississippian, Tournaisian?. Australia, New South Wales
- Actinocrinites porteri* (Whidborne, 1896) = *Eumorphocrinus porteri*
- Actinocrinites probolos* Ausich and Kammer, 1991a, p. 496, Figs. 3, 8.1-8.3.  
*Actinocrinus lobatus* Hall, 1859 (part). Wachsmuth and Springer, 1897, Pls. 52, figs. 1a-1b; 54, fig. 3. Ausich and Kammer, 1991a, p. 496.  
*Actinocrinites lobatus* (Hall, 1859) (part). Bassler and Moodey, 1943, p. 271. Van Sant, 1964, p. 107. Webster, 1973, p. 36. Laudon, 1973, Fig. 5. Webster, 1977, p. 28. Ausich and Kammer, 1991a, p. 496.  
?*Actinocrinites lobatus?* (Hall, 1859), Ausich, 1983, p. 277. Ausich and Lane, 1985, p. 224. Ausich and Kammer, 1991a, p. 496.  
Mississippian, Viséan (middle - early late Osagean), upper part of the Burlington Limestone; Keokuk Limestone, Montrose Chert Member. United States, Iowa
- Actinocrinites pusillus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 273.  
*Actinocrinus pusillus* M'Coy, 1844, p. 182, Pl. 267, fig. 4. Dujardin and Hupé, 1862, p. 139. Bassler and Moodey, 1943, p. 273.

*Abracrinus pusillus* (M'Coy, 1844). d'Orbigny, 1850, p. 156.  
Mississippian, Tournaisian, Mountain Limestone. Ireland

*Actinocrinites quinquangularis* (Angelin, 1878) = *Actinocrinus quinquangularis*

*Actinocrinites regularis* Hisinger, 1840 = *Eucalyptocrinus regularis* = *Actinocrinus regularis* = *Hypanthocrinus regularis* = *Eucalyptocrinites regularis*

*Actinocrinites retiarius* Phillips, 1839 = \**Clematocrinus retiarius*

*Actinocrinites? retiarius* Phillips, 1839 = *Hapalocrinus retiarius* = *Clematocrinus retiarius*

*Actinocrinites rotundatus* Wright, J., 1955a, p. 219, Pls. 55, fig. 11, 14; 56, figs. 6-9.  
Webster, 1973, p. 36.  
Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites* sp. aff. "*A. rotundatus* Wright, 1955. Lewis, Donovan, and Sawford, 2003, p. 313, Fig. 4, no. f.  
Mississippian, Viséan (Holkerian), Clifton Down Limestone. United Kingdom

*Actinocrinites ruber* (Weller, 1909) = *Nunnacrinus rubra*

*Actinocrinites rubra* (Weller, 1909) = *Nunnacrinus rubra*

*Actinocrinites sampsoni* (Miller and Gurley, 1896) = *Nunnacrinus sampsoni*

*Actinocrinites sayi* Troost in Wood, 1909 = *Batocrinus sayi* = *Abatocrinus steropes*

*Actinocrinites scitulus* (Meek and Worthen, 1860) = *Actinocrinites sharonensis*

*Actinocrinites sculptilis* Meek, 1874 = *Steganocrinus sculptus* = *Cytidocrinus sculptus*

*Actinocrinites sedaliensis* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 274.

*Amphoracrinus sedaliensis* Miller and Gurley, 1895b, p. 54, Pl. 5, figs. 34-37. Miller, S. A., 1897, p. 734, Fig. 1295. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 274.

*Actinocrinus sedaliensis* (Miller and Gurley, 1895). Miller, S. A., 1892a, p. 672. Miller,

S. A., 1892c, p. 16, Pl. 3, figs. 1-3. Peck and Keyte, 1938, p. 84, Pl. 28, figs. 6-8. Bassler and Moodey, 1943, p. 274.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Actinocrinites semimultiramosus* (Whitfield, 1900). Bassler and Moodey, 1943, p. 274.

*Actinocrinus semimultiramosus* Whitfield, 1900, p. 23, Pl. 3. Bassler and Moodey, 1943, p. 274.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana

*Actinocrinites senectus* (Miller and Gurley, 1897) = *Aacocrinus senectus*

*Actinocrinites sharonensis* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 274. Brower, 1965, p. 791. Webster, 1973, p. 37.

*Steganocrinus sharonensis* Miller and Gurley, 1897, p. 32, Pl. 2, figs. 10-12. Miller, S. A., 1897, p. 753. Weller, 1898c, p. 601. Kirk, 1943a, p. 264. Bassler and Moodey, 1943, p. 274. Webster, 1973, p. 37.

*Actinocrinus scitulus* Meek and Worthen, 1860, p. 472. Meek and Worthen, 1866a, p. 202, Pl. 15, figs. 7a-7b, Fig. 12. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219, Fig. 235. Weller, S., 1898c, p. 62. Grabau and Shimer, 1910, p. 524. Kirk, 1943a, p. 264. Bassler and Moodey, 1943, p. 273. Webster, 1973, p. 37.

*Actinocrinites scitulus* (Meek and Worthen, 1860). Bassler and Moodey, 1943, p. 273. Brower, 1965, p. 791. Good, 1968, Pl. 1, fig. 5. Laudon, 1973b, p. 29, Fig. 5. Webster, 1973, p. 37. Webster, 1977, p. 29. Lee, Ausich, and Kammer, 2005, p. 341.

*Actinocrinus rusticus* Hall, 1861a, p. 267. Hall, 1861b, p. 2. Hall, 1861c, p. 267. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Whitfield, 1893a, p. 10, Pl. 1, fig. 13. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 273.

*Actinocrinus sillimani* Meek and Worthen, 1861, p. 134. Meek and Worthen, 1866a, p. 204, Fig. 13. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 274.

*Actinocrinus wachsmuthi* White, C. A., 1862, p. 15. Shumard, 1868, p. 350. White, C. A., 1881a, p. 510, Pl. 7, fig. 6. White, C. A., 1881b, p. 142, Pl. 7, fig. 6. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 274.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone; Nada Member, Borden Formation. United States, Missouri, Illinois, Iowa, Kentucky

*Actinocrinites simplex* Phillips in Murchison, 1839 = *Carpocrinus simplex*

*Actinocrinites skourensis* (Termier, G. and Termier, H., 1950). Webster, 1973, p. 37.

*Actinocrinus skourensis* Termier, G. and Termier, H., 1950, p. 84, Pl. 208, fig. 36. Webster, 1973, p. 37.

Mississippian, late Viséan. Morocco

*Actinocrinites sobrinus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 274.

*Actinocrinus sobrinus* Miller and Gurley, 1896c, p. 10, Pl. 3, figs. 4-5. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 63. Bassler and Moodey, 1943, p. 274.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Actinocrinites spectabilis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 274.

*Actinocrinus spectabilis* Miller and Gurley, 1896c, p. 9, Pl. 3, fig. 3. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 63. Bassler and Moodey, 1943, p. 274.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

- Actinocrinites spergenensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 274. Brower, 1965, p. 791. Webster, 1973, p. 37.  
*Steganocrinus spergenensis* Miller and Gurley, 1896a, p. 29, Pl. 2, figs. 4-7. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 601. Bassler and Moodey, 1943, p. 274.  
 Mississippian, Viséan (Meramecian), Harrodsburg Limestone. United States, Indiana
- Actinocrinites spinaetectus* (Wanner, 1937). Bassler and Moodey, 1943, p. 274. Branson, C. C., 1948, p. 177.  
*Actinocrinus spinaetectus* Wanner, 1937, p. 61, Pl. 5, figs. 1-3. Bassler and Moodey, 1943, p. 274. Branson, C. C., 1948, p. 177.  
 Permian, series uncertain. Timor
- Actinocrinites spinulosus* (Miller and Gurley, 1893) = *Aacocrinus spinulosus*
- Actinocrinites stellaris* (de Koninck and Le Hon, 1854) = *Nunnacrinus stellaris*
- Actinocrinus? striatus* Münster, 1840 = *Melocrinites striatus*
- Actinocrinites subpulchellus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 275.  
*Actinocrinus subpulchellus* Miller and Gurley, 1896c, p. 13, Pl. 3, figs. 13-14. Miller, S. A., 1897, p. 732, Fig. 1280. Weller, S., 1898c, p. 63. Bassler and Moodey, 1943, p. 275.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Actinocrinites subscitulus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 275.  
*Actinocrinus subscitulus* Miller and Gurley, 1896c, p. 12, Pl. 3, figs. 6-8. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 64. Bassler and Moodey, 1943, p. 275.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa, Missouri
- Actinocrinites tennesseeensis* Troost in Wood, 1909 (part) = *Periechocrinus tennesseeensis*
- Actinocrinites tennesseeensis* Troost in Wood, 1909 (part) = *Periechocrinus dubius*
- Actinocrinites tenuis* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 274.  
*Actinocrinus tenuis* de Koninck and Le Hon, 1854, p. 128, Pl. 2, figs. 3a-3b.  
 Bassler and Moodey, 1943, p. 275.  
 Mississippian, Tournaisian. Belgium
- Actinocrinites tenuisculptus* (McChesney, 1860) = *Cusacrinus tenuisculptus*

*Actinocrinites tenuisculptus* (Wachsmuth and Springer, 1897) (non McChesney, 1860)  
= *Cusacrinus chloris*

*Actinocrinites tenuistriatus* (Phillips, 1841). Bassler and Moodey, 1943, p. 275.

*Actinocrinus? tenuistriatus* Phillips, 1841, p. 31, Pl. 16, fig. 44. Bassler and Moodey, 1943, p. 275.

*Actinocrinus tenuistriatus* Phillips, 1841. Roemer, F. A., 1843, p. 9, Pl. 3, fig. 16.

Bronn, 1848, p. 14. Bassler and Moodey, 1943, p. 275.

Devonian, Famennian, Pilton Beds. United Kingdom,; Ireland

*Actinocrinites tessellatus* (Phillips, 1836) = *Dialutocrinus tessellatus*

*Actinocrinites tesseracontadactylus* Goldfuss, 1831 = *Abacocrinus tesseracontadactylus*

*Actinocrinites tesseratus* Goldfuss, 1831 = *Cupressocrinites tesseratus* =  
*Procupressocrinus gracilis* = *Halocrinites tesseratus*

*Actinocrinites 30-dactylus* Miller, 1821 = *Actinocrinites tricontadactylus*

*Actinocrinites timoricus* (Wanner, 1924). Bassler and Moodey, 1943, p. 275. Branson, C. C., 1948, p. 177.

*Actinocrinus timoricus* Wanner, 1924, p. 67, Pls. 1, figs. 3-4; 3, fig. 7. Bassler and Moodey, 1943, p. 275. Branson, C. C., 1948, p. 177.

Permian, series uncertain. Timor

*Actinocrinites triacondactylus* Miller, 1821 = *Actinocrinites triacontadactylus*

\**Actinocrinites triacontadactylus* Miller, J. S., 1821, p. 95, Unnum. Pl., figs. 1-6.

Fleming, 1828, p. 495. Bassler and Moodey, 1943, p. 275. Wright, J., 1955a, p. 215, Pls. 54, figs. 5-8, 14, 16; 55, figs. 9-10; 56, fig. 11; 57, figs. 1-4, 13; 80, fig. 1; Fig. 112, nos. 1A, 2A. White, E., 1964, p. 174, Pl. 61, fig. 1. Webster, 1973, p. 37. Webster, 1977, p. 29. Bowsler in Moore and Teichert, 1978, p. T454, Fig. 261, nos. 1a-1e. Webster, 1986, p. 44. Donovan, 1992c, p. 41, Fig. 7, nos. A-C. Simms in Hess et al., 1999 p. 32, Fig. 52, nos. a-b. Ausich and Sevastopulo, 2001, p. 32, Pl. 2, figs. 8-11, 14; Fig. 9, no. A.

*Actinocrinus 30-dactylus* (Miller, 1821). Phillips, 1836, p. 206, Pl. 4, fig. 16. Bassler and Moodey, 1943, p. 275.

*Actinocrinus triacontadactylus* (Miller, 1821). Phillips, 1841, p. 31, Pl. 16, fig. 43.

Bronn, 1848, p. 14. d'Orbigny, 1850, p. 155. Dujardin and Hupé, 1862, p. 140.

Julien, 1896, p. 136, Pl. 5, fig. 5. Wachsmuth and Springer, 1897, p. 55.

Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 275.

*Actinocrinites 30-dactylus* Miller, 1821. Buckland, 1837, Pl. 47, figs. 5-7. Buckland, 1839, Pl. 47, figs. 5-7. Buckland, 1841, Pl. 47, figs. 5-7.

*Actinocrinites triacondactylus* Miller, 1821. Macurda, 1974, p. 823, Figs. 1-2 (sic).

?*Encrinites nodulose* Fischer de Waldheim, 1811, p. 25, Pl. 1, fig. 2.

?*Encrinites nodulosa* Fischer de Waldheim, 1811, p. 26, Pl. 1, fig. 3. Bronn, 1848, p.

14.

Mississippian, Tournaisian - Viséan, Mountain Limestone. United Kingdom, Scotland  
Ireland; France; Belgium; Russia

*Actinocrinites triacontadactylus* Miller, 1821 (part) = *Dialutocrinus milleri*

*Actinocrinites triacontadactylus* Miller; Schlotheim, 1822 (part) = *Thinocrinus loricatus*

*Actinocrinites* aff. *triacontadactylus* Miller, 1821. Eichwald, 1840b, p. 174, unfig. (not  
an *Actinocrinites*, GDW)  
Silurian. Estonia

*Actinocrinites tricuspидatus* (de Koninck and Le Hon, 1854). Bassler and Moodey,  
1943, p. 276.

*Actinocrinus tricuspидatus* de Koninck and Le Hon, 1854, p. 143, Pl. 2, figs. 5a-5b.  
Pictet, 1857, p. 324, Pl. 100, fig. 4. Dujardin and Hupé, 1862, p. 141. Bassler  
and Moodey, 1943, p. 275.  
Mississippian, Viséan. Belgium

*Actino-crinites trigintadactylus* Sternberg, 1829 (sic), p. 302, Pl. F, fig. 6 (May be in  
error for *A. triacontadactylus* as Sternberg attributes authorship to Miller). (Not  
an *Actinocrinites* GDW)  
Silurian?. Germany

*Actinocrinites trijugis* (Miller, 1891) = *Blairocrinus trijugis*

*Actinocrinites triplus* Wright, J., 1955a, p. 223, Pl. 53, figs. 9, 13-14. Webster, 1973, p.  
37.  
Mississippian, Viséan. United Kingdom, Scotland

*Actinocrinites* sp., ?*tripus* Wright, J., 1955a, p. 223, Pl. 54, fig. 21. Webster, 1973, p.  
37.  
Mississippian, Tournaisian. United Kingdom

*Actinocrinites tripus* Ehlers and Kesling, 1963, p. 1038, Pl. 134, figs. 1-6; Fig. 3.  
Webster, 1973, p. 37.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

*Actinocrinites tuberculatus* (Wachsmuth and Springer, 1897) = *Cusacrinus  
tuberculatus*

*Actinocrinites umbrosus* (Hall, 1858) = *Teleiocrinus umbrosus*

*Actinocrinites uncarinatus* (Hall, 1859) = *Actinocrinites lowei*

*Actinocrinites urna* Troost, 1850 = *Batocrinus grandis* = *Abatocrinus grandis*

- Actinocrinites venustus* (Wright, 1955). Ausich and Kammer, 2006, p. 101.  
*Diatorocrinus venustus* Wright, J., 1955a, p. 236, Pl. 55, figs. 4-5. Webster, 1973, p. 106. Ausich and Kammer, 2006, p. 101.  
 Mississippian, Viséan. United Kingdom, Scotland
- Actinocrinites vermiculatus* Wright, J., 1955a, p. 225, Pl. 54, fig. 15. Webster, 1973, p. 37.  
 Mississippian, Viséan. United Kingdom, Scotland
- Actinocrinites verneuili* Troost, 1850 = *Melocrinus verneuili* = *Melocrinites verneuili* = *Cytocrinus laevis*
- Actinocrinites verneuillii* Troost, 1850 = *Melocrinus verneuili* = *Melocrinites verneuili* = *Cytocrinus laevis*
- Actinocrinites verrucosus* (Hall, 1858). Bassler and Moodey, 1943, p. 276. Moore and Laudon, 1944, p. 193, Pl. 76, fig. 1. Laudon, 1973b, p. 29, Fig. 5. Haugh, 1973a, p. 90, Pl. 3, fig. 6. Webster, 1973, p. 37. Macurda, 1974, p. 823, Figs. 1-2. Haugh, 1975a, p. 475, Pl. 4, figs. 1-7; Fig. 4, nos. A-B. Webster, 1977, p. 29. Ubaghs in Moore and Teichert, 1978, p. T201, Fig. 170, no. 4. Haugh and Bell, 1980a, p. 654, Fig. 2, no. F. Webster, 1986, p. 44.
- Actinocrinus verrucosus* Hall, 1858c, p. 578, Pl. 10, figs. 7a-7b. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 55. Weller, S., 1898c, p. 65. Grabau and Shimer, 1910, p. 524, Fig. 1849. Bassler and Moodey, 1943, p. 276.
- Actinocrinus asterias* McChesney, 1860, p. 13. McChesney, 1865, Pl. 5, figs. 6a-6b. McChesney, 1868, p. 9, Pl. 5, figs. 6a-6b; Unnum Fig. p. 11. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 730. Weller, S., 1898c, p. 65. Bassler and Moodey, 1943, p. 276.
- Actinocrinus asterius* McChesney, 1860. Shumard, 1868, p. 342.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone; lower part of Harrodsburg Limestone. United States, Iowa, Indiana, Illinois, Missouri
- Actinocrinites viaticus* (White, 1874) = *Cusacrinus viaticus*
- Actinocrinites zhaoae* (Lane et al., 1997). Waters et al., 2003, p. 938, Fig. 10, no. 2; 12.  
*Uperocrinus zhaoae* Lane et al., 1997, p. 14, Figs. 4.1-4.3, 5.1-5.3. Waters et al., 2003, p. 938.  
 ?*Blairocrinus* sp. Hou, Lane, Waters, and Maples, 1994, p. 5, Pl. 2, fig. 6. Lane, Waters, and Maples, 1997, p. 14. Waters et al., 2003, p. 938.  
 Camerate crinoid between batocrinids and actinocrinids, Lane, et al., 1995, Pl. 2, fig. 6. Lane, Waters, and Maples, 1997, p. 14.  
 Camerate crinoid Lane et al., 1995. Waters et al., 2003, p. 938.  
 Devonian, Famennian, middle of Hongguleleng Formation. China, Xinjiang-Uygur Autonomous Region
- Actinocrinites* sp. ind.



- Actinocrinus* sp. ind. Etheridge in Jack and Etheridge, 1892, p. 207, Pl. 7, fig. 9  
(labeled as *Actinocrinus* or *Rhodocrinus* on plate explanation).  
Permian, Artinskian, Gympie Beds. Australia, Queensland
- Actinocrinites* sp. *nobis* Lyon and Casseday, 1859, p. 240. Weller, S., 1898c, p. 66.  
Mississippian. United States, Kentucky
- Actinocrinites* sp. 1 Webster and Jell, 1999a, p. 242, Figs. 1, nos. A-E; 2, nos. A-F.  
Mississippian, Tournaisian, Malchi Formation. Australia, Queensland
- Actinocrinites* sp. 2 Webster and Jell, 1999a, p. 244, Figs. 3, nos. A-E; 4, no. D.  
Mississippian, early or middle Tournaisian, Neil's Creek Clastic. Australia,  
Queensland
- Actinocrinites?* sp. 3 Webster and Jell, 1999a, p. 244, Fig. 4, nos. E-F.  
Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland
- Actinocrinites* sp. Christy, 1848 = *Eutrochocrinus christyi*
- Actinocrinites* sp. Waters et al., 2003 = *Gnarycrinus lanei*
- Actinocrinites* sp. 1 Hashimoto, 2001, p. 10, Pl. 3, nos. 4, 5, 7, 8; Fig. 5, no. 1.  
Pennsylvanian, Morrowan, Akiyoshi Limestone Group. Southwest Japan
- Actinocrinites* sp. 2. Hashimoto, 2001, p. 10, Pls. 3, fig. 6; 4, figs. 1-2; Fig. 5, no. 2.  
Pennsylvanian, Morrowan, Akiyoshi Limestone Group. Southwest Japan
- Actinocrinites* spp.
- von Buch in de Verneuil, 1844, Pl. 3, fig. 10.  
Silurian. North America
  - Christy, 1848, Pl. 1, figs. 3-4.  
Mississippian, Viséan (Osagean). United States, Illinois
  - Christy, 1848, Pl. 1, figs. 5-6. Weller, S., 1898c, p. 66.  
Mississippian. United States, Illinois
  - Mantell, 1854, p. 295, Fig. 94, no. 2.  
Mississippian. United Kingdom
  - Etheridge, 1892, p. 77, Pl. 20, figs. 6-7.  
Mississippian, Mirari Limestone. Australia, New South Wales
  - Julien, 1896, p. 136, Pl. 5, fig. 4.  
Mississippian. Central France
  - Smycka, 1905, p. 60.  
Devonian. Czech Republic
  - MacBride, 1906, p. 594, Fig. 273.  
Early Mississippian. United States
  - Delpey, 1941, p. 215, Fig. 3.  
Mississippian, Viséan. Morocco
  - Laudon and Severson, 1953, p. 528, Pl. 53, fig. 7. Webster, 1973, p. 37.

- Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation. United States,  
Montana  
Ubaghs, 1953, p. 739, Figs. 61, 67. Webster, 1973, p. 37.  
Mississippian  
Wright, J., 1960, p. 334, Appendix, Pl. A, fig. 10. Webster, 1973, p. 37.  
Mississippian, Tournaisian. United Kingdom  
Haugh, 1973a, p. 84, Fig. 6, nos. d, f. Webster, 1977, p. 29.  
Mississippian, Viséan (Osagean). United States  
Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 136, nos. 1-7. Webster, 1986, p. 45.  
Mississippian. Belgium  
Ubaghs *in* Moore and Teichert, 1978, p. T171, Fig. 144, no. 3. Webster, 1986, p. 45.  
Mississippian. Belgium  
Kues, 1982, Unnum. Fig. p. 108, no. D. Webster, 1988, p. 28.  
Mississippian. no locality data  
Kammer, 1984, p. 119. Webster, 1988, p. 28.  
Mississippian, Viséan (Osagean), New Providence Shale. United States, Kentucky  
Lane, N. G., 1986, p. 157, Figs. 2, 5-6. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana  
Meyer and Ausich, 1992, p. 5, Fig. 5, no. D.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Tennessee  
Meyer and Ausich, 1992, p. 5, Fig. 5, no. J.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, no. D. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, no. J. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 11, no. A. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 11, on. B. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 11, no. C. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 11, no. D. Webster, 1993, p. 20.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Lane, *et al.*, 1996, p. 119, Figs. 4.18-4.19, 5.1-5.2.

- Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region  
Waters et al., 2003, p. 938, figs. 9, no. 5; 12, no. 9.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin  
Greb et al., 2008, p. 17, Fig. unnumbered.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky  
Meyer and Ausich, 2009, p. 7, Fig. 5, no. J.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky
- Actinocrinites?* sp. Brower, 1970, p. 493, unfig. Webster, 1977, p. 29.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member and Thunder Springs Member or Mooney Falls Member. United States, Arizona
- Actinocrinitid indeterminate 1. Webster et al., 2004, p. 30.  
Pennsylvanian, Bashkirian, Oued el Hamar Formation. Algeria
- Actinocrinitid indeterminate 2. Webster et al., 2004, p. 30, Pl. 4, fig. 12.  
Mississippian, Viséan, Chabet Kerkour Formation, Aïn Guettara Member. Algeria
- Actinocrinitid indeterminate 3. Webster et al., 2004, p. 30, Pl. 4, figs. 10-11.  
Pennsylvanian, Bashkirian, upper part of Oued el Hamar Formation. Algeria
- Actinocrinitid indeterminate 4. Webster et al., 2004, p. 30, Pl. 7, figs. 12-17.  
Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria
- Actinocrinitid? indeterminate 5. Webster et al., 2004, p. 30.  
Mississippian, Serpukovian, E2, Djenien Formation. Algeria
- Actinocrinitid? indeterminate Webster and Lane, 2007, p. 955, Fig. 4, no. 11.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Actinocrinitidae Moore, 1954, p. 144, Fig. 8, no. C. Webster, 1973, p. 271 (plate diagram).
- Actinocrinitidae? gen. et sp. indet. Hashimoto, 1984, p. 26, Pl. 11, figs. 3a-3b; Fig. 7, nos. 8-10. Webster, 1993, p. 21.  
Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone.  
Japan
- Actinocrinitidae indet. Brower, 1970, p. 505. Webster, 1977, p. 29.  
Mississippian, Viséan Osagean, Redwall Limestone, Thunder Springs Member and Thunder Springs Member or Mooney Falls Member. United States, Arizona
- ACTINOCRINUS** of authors = **ACTINOCRINITES**

*Actinocrinus abnormis* Lyon, 1857 = *Megistocrinus abnormis*

*Actinocrinus? actinocrinites* Schlotheim. Bronn, 1848, p. 14 (unrecognizable).

*Actinocrinus aculeatus* (Austin and Austin, 1843) = *Dialutocrinus aculeatus*

*Actinocrinus adolescens* Wachsmuth and Springer, 1897 = *Teleiocrinus adolescens*

*Actinocrinus aeglops* Hall, 1859 = *Teleiocrinus aeglops* = *T. umbrosus*

*Actinocrinus aequalis* Hall, 1858 = *Abatocrinus aequalis*

*Actinocrinus (Batocrinus) aequalis* Hall, 1858 = *Abatocrinus aequalis*

*Actinocrinus aequibrachiatus* McChesney, 1860 = *Uperocrinus aequibrachiatus*

*Actinocrinus aequibrachiatus* var. *alatus* Hall, 1861 = *Uperocrinus aequibrachiatus asteriscus*

*Actinocrinus agassizi* (Troost, 1850) = *Eretmocrinus ramulosus*

*Actinocrinus agnatus* Miller, 1891 = *Macrocrinus mandulus*

*Actinocrinus albersi* Miller and Gurley, 1895 = *Steganocrinus albersi* = *Actinocrinites albersi* = *A. multiradiatus*

*Actinocrinus althea* (Hall, 1861) = *Teleiocrinus liratus*

*Actinocrinus (Calathocrinus) althea* Hall, 1861 = *Teleiocrinus althea* = *T. liratus*

*Actinocrinus (Strotocrinus) althea* Hall, 1872 = *Teleiocrinus althea*

*Actinocrinus amphora* Gilbertson, 1836 = *Melocrinites amphora* = *Amphoracrinus gilbertsoni*

*Actinocrinus amphora (gilbertsoni)* Portlock, 1843 = *Amphoracrinus gilbertsoni*

*Actinocrinus amphora papillata* Quenstedt, 1876 = *Amphoracrinus gilbertsoni*

*Actinocrinus amplus* Meek and Worthen, 1861 = *\*Aryballocrinus whitei*

*Actinocrinus (Pradocrinus) amplus* Meek and Worthen, 1861 = *Periechocrinus whitei* = *\*Aryballocrinus whitei*

*Actinocrinus (Pradocrinus?) amplus* Meek and Worthen, 1861 = *\*Aryballocrinus whitei*

- Actinocrinus* (*Saccocrinus*?) *amplus* Meek and Worthen, 1861 = \**Aryballocrinus whitei*
- Actinocrinus andrewsianus* McChesney, 1860 = *Dizygocrinus andrewsianus*  
*Azygocrinus andrewsianus* = *Abatocrinus andrewsianus*
- Actinocrinus angustatus* Miller and Gurley, 1894 = *Actinocrinites jugosus*
- Actinocrinus araneolus* Meek and Worthen, 1860 = *Steganocrinus araneolus*
- Actinocrinus armatus* de Koninck and Le Hon, 1854 = *Actinocrinites armatus* =  
*Nunnacrinus armatus*
- Actinocrinus arnoldi* Wachsmuth and Springer in Miller, 1889 = *Cusacrinus arnoldi* = *C.*  
*nodobrachiatus*
- Actinocrinus arrosus* Miller and Gurley, 1894 = *Aacocrinus arrosus* = *Cactocrinus*  
*arrosus*
- Actinocrinus ?arthriticus* (Phillips, 1839) = *Gissocrinus arthriticus*
- Actinocrinus asperrimus* (Meek and Worthen, 1870) = *Actinocrinites asperrimus* =  
*Cusacrinus asperrimus*
- Actinocrinus* cf. *asperrimus* Meek and Worthen, Schmidt, 1930 = Family, Genus,  
species Uncertain Lane, Maples, and Waters, 2001
- Actinocrinus asteriscus* Meek and Worthen, 1860 = *Uperocrinus aequibrachiatus*  
*asteriscus*
- Actinocrinus asterius* McChesney, 1860 = *Actinocrinites verrucosus*
- Actinocrinus* (*Batocrinus*) *asteriscus* Meek and Worthen, 1860 = *Uperocrinus*  
*aequibrachiatus asteriscus*
- Actinocrinus* (*Amphoracrinus*) *atlas* M'Coy, 1849 = *Amphoracrinus atlas*
- Actinocrinus augustatus* Miller and Gurley, 1894 = *Actinocrinites augustatus* = *A.*  
*jugosus*
- Actinocrinus? batheri* Whidborne, 1896 = *Actinocrinites? batheri*
- Actinocrinus dodecadactylus* Meek and Worthen, 1861 = *Azygocrinus dodecadactylus*
- Actinocrinus* (*Batocrinus*) *dodecadactylus* Meek and Worthen, 1861 = *Azygocrinus*  
*dodecadactylus*
- Actinocrinus bischoffi* Miller and Gurley, 1896 = *Cusacrinus bischoffi*

- Actinocrinus biturbinatus* Hall, 1858 = *Dizygocrinus biturbinatus*
- Actinocrinus blairi* Miller, 1892 = *Cactocrinus glans*
- Actinocrinus boonensis* Peck and Keyte, 1938 = *Aacocrinus boonensis*
- Actinocrinus botruosus* Miller and Gurley, 1895 = *Actinocrinites botruosus*
- Actinocrinus (Amphorocrinus) brevicalix* Rofe, 1865 = *Amphorocrinus brevicalix* =  
*Pimlicocrinus brevicalix*
- Actinocrinus brevicornis* Hall, 1858 = *Megistocrinus evansii*
- Actinocrinus brevimanus* Angelin, 1878 = *Periechocrinites brevimanus* = *Periechocrinus brevimanus*
- Actinocrinus brevis* Hall, 1858 = *Agaricocrinites brevis* = *Agaricocrinus brevis*
- Actinocrinus brevispina* Wanner, 1924 = *Actinocrinites brevispina*
- Actinocrinus brittsi* Miller, 1892 = *Physetocrinus ornatus*
- Actinocrinus brontes* Hall, 1859 = *Actinocrinites lowei*
- Actinocrinus brouweri* Wanner, 1924 = *Actinocrinites brouweri*
- Actinocrinus caelatus* Hall, 1858 = *Cusacrinus coelatus*
- Actinocrinus calyculoides* Hall, 1872 = *Eretmocrinus calyculoides*
- Actinocrinus calyculus* Hall, 1859 = *Batocrinus calyculus*
- Actinocrinus calyculus* var. *hardinensis* Meek and Worthen, 1866 = *Batocrinus calyculus*
- Actinocrinus calypso* Hall, 1862 = *Corocrinus? calypso*
- Actinocrinus carica* Hall, 1861 = *Macrocrinus carica*
- Actinocrinus carinatus* Wanner, 1937 = *Actinocrinites carinatus*
- Actinocrinus caroli* Hall, 1859 = *Dizygocrinus caroli*
- Actinocrinus caryocrinoides* M'Coy, 1844 = *Actinocrinites caryocrinoides*
- Actinocrinus cassedayi* Lyon, 1862 = *Aorocrinus cassedayi*

*Actinocrinus cataphractus* (Austin and Austin, 1843) = *Dialutocrinus cataphractus*

*Actinocrinus cauliculus* Hall, 1862 = *Aorocrinus cauliculus*

*Actinocrinus chloris* Hall, 1861 = *Cusacrinus chloris*

*Actinocrinus chouteauensis* Miller, 1892 = *Actinocrinites chouteauensis* = *Aacocrinus chouteauensis*

*Actinocrinus?* *chouteauensis* Miller, 1892 = *Aacocrinus chouteauensis*

*Actinocrinus christyi* Hall, 1863 = *Periechocrinus whitfieldi*

*Actinocrinus christyi* Shumard, 1855 = *Eutrochocrinus christyi*

*Actinocrinus clarus* Hall, 1861 = *Cactocrinus clarus*

*Actinocrinus clavigerus* Hall, 1859 = *Abatocrinus clavigerus*

*Actinocrinus clio* Hall, 1861 = *Eretmocrinus clio* = *Abatocrinus clio*

*Actinocrinus (Eretmocrinus) clio* Hall, 1861 = *Eretmocrinus clio* = *Abatocrinus clio*

*Actinocrinus clivosus* Hall, 1861 = *Teleiocrinus rudis* = *T. umbrosus*

*Actinocrinus cloelia* Hall, 1861 = *Eretmocrinus cloelia*

*Actinocrinus clypeatus* Hall, 1859 = *Abatocrinus clypeatus*

*Actinocrinus coelatus* Hall, 1859 = *Cactocrinus coelatus* = *Cusacrinus coelatus*

*Actinocrinus concavus* (Phillips, 1836) = *Euryocrinus concavus*

*Actinocrinus concavus* Meek and Worthen, 1861 = \**Coelocrinus concavus*

*Actinocrinus (Amphoracrinus) concavus* Meek and Worthen, 1861 = *Coelocrinus concavus*

*Actinocrinus (Sphaeocrinus) concavus* Meek and Worthen, 1861 = *Coelocrinus concavus*

*Actinocrinus concinnus* Shumard, 1855 = *Steganocrinus concinnus*

*Actinocrinus constrictus* M'Coy 1844 = *Dimerocrinus constrictus* = *Actinocrinites constrictus*

- Actinocrinus copei* Miller, 1881 = *Physetocrinus copei*
- Actinocrinus corbulis* Hall, 1861 = *Eretmocrinus corbulis*
- Actinocrinus coreyi* Lyon and Casseday, 1860 = *Agaricocrinus coreyi*
- Actinocrinus corniculum* Hall, 1858 = *Agaricocrinus brevis*
- Actinocrinus corniculus* Hall, 1858 = *Agaricocrinus brevis*
- Actinocrinus cornigerus* Hall, 1858 = *Dorycrinus cornigerus*
- Actinocrinus cornigerus* Lyon and Casseday, 1859 (non Hall, 1858) = *Gennaeocrinus cornigerus*
- Actinocrinus cornigerus* Lyon and Casseday, 1859 = *Gennaeocrinus kentuckiensis*
- Actinocrinus (Dorycrinus) cornigerus* Hall, 1858 = *Dorycrinus cornigerus*
- Actinocrinus cornutus* Troost, 1850 = *Eretmocrinus praegravis* = *Magnuscrinus praegravis*
- Actinocrinus coronatus* Hall, 1859 = *Eretmocrinus coronatus*
- Actinocrinus costatus* (Miller, 1821) = *Periechocrinus costatus*
- Actinocrinus costus* M'Coy, 1844 (non Miller, 1821) = *Physetocrinus costus* = *Actinocrinites costus*
- Actinocrinus crassus* (Austin and Austin, 1843) = *Amphoracrinus crassus*
- Actinocrinus? crassus* (Austin and Austin, 1843) = *Amphoracrinus crassus*
- Actinocrinus cristii* (Shumard, 1855) = *\*Eutrochocrinus christyi*
- Actinocrinus cyathiformis* (Sandberger and Sandberger, 1855) = *Actinocrinites cyathiformis*
- Actinocrinus dalyanus* Weller, 1898 (sic) = *Cactocrinus proboscidualis* = *Nunnacrinus dalyanus*
- Actinocrinus daphne* Hall, 1863 = *Actinocrinites daphne* = *Cusacrinus daphne*
- Actinocrinus decadactylus* (Tannenberg in Goldfuss, 1839) = *Ctenocrinus decadactylus*
- Actinocrinus decadactylus?* Gilbertson in Portlock, 1843 = *Actinocrinites decadactylus*



- Actinocrinus decornis* Hall, 1859 = *Dorycrinus cornigerus*
- Actinocrinus delayanus* Miller, 1881 = *Cactocrinus proboscidualus* = *Nunnacrinus delayanus*
- Actinocrinus delicatus* Meek and Worthen, 1870 = *Actinocrinites delicatus* = *Teleiocrinus umbrosus*
- Actinocrinus denticulatus* Wachsmuth and Springer, 1897 = *Cusacrinus denticulatus*
- Actinocrinus deornatus* de Koninck and Le Hon, 1854 = *Nunnacrinus deornatus*
- Actinocrinus (Megistocrinus) depressus* Hall, 1862 = *Megistocrinus depressus*
- Actinocrinus desideratus* Hall, 1861 = *Dorycrinus missouriensis*
- Actinocrinus dilatatus* Wanner, 1924 = *Actinocrinites dilatatus*
- Actinocrinus discoideus* Hall, 1858 = *Abatocrinus aequalis*
- Actinocrinus discoidues* Hall, 1858 = *Abatocrinus aequalis*
- Actinocrinus divaricatus* Hall, 1859 = *Dorycrinus cornigerus*
- Actinocrinus divergens* Hall, 1859 = \**Displodocrinus divergens*
- Actinocrinus dodecadactylus* Meek and Worthen, 1861 = *Dizygocrinus dodecadactylus* = *Azygocrinus dodecadactylus*
- Actinocrinus (Batocrinus) dodecadactylus* Meek and Worthen, 1861 = *Azygocrinus dodecadactylus*
- Actinocrinus doris* Hall, 1861 = *Batocrinus aequalis* = *Abatocrinus aequalis*
- Actinocrinus dorsatus* de Koninck and Le Hon, 1854 = *Actinocrinites dorsatus* = *Nunnacrinus dorsatus* = *lotacrinus dorsatus*
- Actinocrinus dubius* (Schlotheim, 1823). Eichwald, 1860, p. 605. Bigsby, 1868, p. 18. (Cup unfigured, not an *Actinocrinites*. GDW)  
Silurian, *Orthoceras* Limestone. Russia
- Actinocrinus (Batocrinus) eicosidactylus* (Casseday, 1854) = *Batocrinus icosidactylus*
- Actinocrinus elephantinus* Austin and Austin, 1843 = *Dialutocrinus elephantinus*
- Actinocrinus equibrachiatus* var. *alatus* Hall, 1861 = *Lobocrinus equibrachiatus asteriscus* = *Uperocrinus aequibrachiatus asteriscus*

*Actinocrinus eris* Hall and Whitfield, 1875 = *Aorocrinus helice*

*Actinocrinus erodus* Hall, 1861 = *Teleiocrinus umbrosus*

*Actinocrinus (Calathocrinus) erodus* Hall, 1861 = *Teleiocrinus rudis* = *T. umbrosus*

*Actinocrinus erraticus* Miller and Gurley, 1894 = *Actinocrinites erraticus*

*Actinocrinus eryx* Hall, 1861 = *Cactocrinus glans*

*Actinocrinus eucharis* Hall, 1862 = *Gennaeocrinus eucharis*

*Actinocrinus (Alloprosallocrinus) euconus* Meek and Worthen, 1865 = *Dizygocrinus euconus* = *Azygocrinus euconus* = *Batocrinus euconus*

*Actinocrinus evansii* Owen and Shumard, 1850 = *Megistocrinus evansii*

*Actinocrinus excerptus* Hall, 1861 = *Cactocrinus excerptus*

*Actinocrinus eximius* Kirk, 1943 = *Actinocrinites eximius*

*Actinocrinus exornatus* Wanner, 1937 = *Actinocrinites exornatus*

*Actinocrinus expansus* (Phillips, 1839) = *Sagenocrinus expansus*

*Actinocrinus extensus* (Wachamuth and Springer, 1897) = *Cactocrinus extensus*

*Actinocrinus fibula* Troost, 1850 = *Batocrinus spergensis* = *Glannerycrinus spergensis*

*Actinocrinus fiscellus* Hall, 1861 = *Agaricocrinus fiscellus*

*Actinocrinus formosus* Hall, 1859 = *Abatocrinus aequalis*

*Actinocrinus fossatus* Miller, 1892 = *Cactocrinus fossatus*

*Actinocrinus fosteri* McChesney, 1860 = *Cactocrinus fosteri*

*Actinocrinus foveatus* Miller and Gurley, 1895 = *Actinocrinites foveatus* = *Nunnacrinus foveatus*

*Actinocrinus gemmiformis* Hall, 1859 = *Macrocrinus gemmiformis*

*Actinocrinus (Agaricocrinus) geometricus* Hall, 1859 = *Agaricocrinus geometricus*

*Actinocrinus (Agaricocrinus)? geometricus* Hall, 1859 = *Agaricocrinus stellatus*

- Actinocrinus gibbosus* Troost, 1850 = *Abatocrinus steropes*
- Actinocrinus gibsoni* Miller and Gurley, 1894 = *Actinocrinites gibsoni*
- Actinocrinus gilbertsoni* Miller in Phillips, 1836 = \**Amphoracrinus gilbertsoni*
- Actinocrinus gilbertsonii* Miller, 1836 = *Melocrinus amphora* = *Amphoracrinus gilbertsoni*
- Actinocrinus gilbertsoni* Form I Miller in Phillips, 1836 = *Amphoracrinus gilbertsoni*
- Actinocrinus gilbertsoni* de Koninck and Le Hon, 1842-1844 = *Actinocrinites stellaris* =  
*Nunnacrinus stellaris*
- Actinocrinus gilbertsonii* Miller, 1836 = *Amphoracrinus gilbertsoni*
- Actinocrinus glans* Hall, 1859 = *Cactocrinus glans*
- Actinocrinus globosus* Phillips, 1836 = *Megistocrinus globosus* = *Mcoyocrinus globosus*
- Actinocrinus globulus* Phillips, 1836 = *Megistocrinus globosus*
- Actinocrinus glyptus* (Hall, 1860) = \**Strotocrinus glyptus*
- Actinocrinus goldfussi* Schmidt, 1930 = *Actinocrinites goldfussi*
- Actinocrinus gouldi* Hall, 1858 = *Dorycrinus gouldi*
- Actinocrinus gracilis* Wachsmuth and Springer, 1897 = *Actinocrinites gracilis* =  
*Cusacrinus gracilis*
- Actinocrinus grandis* Miller and Gurley, 1890 (*non* Miller and Gurley, 1897) =  
*Actinocrinites multiramosus* = *A. grandissimus*
- Actinocrinus?* *granulatus* Goldfuss, 1831 = *Actinocrinites granulatus*
- Actinocrinus granulatus* (Austin and Austin, 1843) (*non* Goldfuss, 1831) =  
*Amphoracrinus granulatus*
- Actinocrinus griffithi* Wachsmuth and Springer, 1897 = *Actinocrinites eximius* = *A.*  
*griffithi*
- Actinocrinus hageri* McChesney, 1860 = ?*Lobocrinus hageri* = *Uperocrinus hageri*
- Actinocrinus helice* Hall, 1863 = *Aorocrinus helice*
- Actinocrinus helice* var. *eris* Hall, 1863 = *Aorocrinus helice*

- Actinocrinus higuchisawensis* Minato, 1951 = *Actinocrinites higuchisawensis*
- Actinocrinus humboldtii* (Troost, 1850) = *Actinocrinites magnificus*
- Actinocrinus hurdanus* McChesney, 1860 = *Cusacrinus hurdianus*
- Actinocrinus hurdianus* McChesney, 1860 = *Cactocrinus hurdianus* = *Cusacrinus hurdianus*
- Actinocrinus icosidactylus* Portlock, 1843 = *Actinocrinites icosidactylus* = *Dialutocrinus icosidactylus*
- Actinocrinus indianaensis* Lyon and Casseday, 1860 = \**Dizygocrinus indianaensis*
- Actinocrinus indianensis* Lyon and Casseday, 1860 = *Dizygocrinus indianensis*
- Actinocrinus inflatus* Hall, 1859 = *Amphorocrinus spinobrachiatus* = \**Ancalocrinus spinobrachiatus*
- Actinocrinus infrequens* Hall, 1871 = *Cactocrinus thalia*
- Actinocrinus inornatus* Hall, 1859 = *Batocrinus clypeatus* = *Abatocrinus clypeatus*
- Actinocrinus insculptus* Hall, 1861 = *Teleiocrinus umbrosus*
- Actinocrinus (Calathocrinus) insculptus* Hall, 1861 = *Teleiocrinus rudis* = *T. umbrosus*
- Actinocrinus interradiatus* Angelin, 1878 = *Periechocrinites lindstromi* = *Periechocrinus lindstromi*
- Actinocrinus (Batocrinus) irregularis* Casseday, 1854 = *Batocrinus irregularis*
- Actinocrinus jessieae* Miller and Gurley, 1897 = *Nunnacrinus jessieae*
- Actinocrinus jugosus* Hall, 1859 = *Actinocrinites jugosus*
- Actinocrinus kentuckiensis* Shumard, 1866 = *Genneaocrinus kentuckiensis*
- Actinocrinus konincki* Shumard, 1855 = *Macrocrinus konincki*
- Actinocrinus laevis* (Miller, 1821) = *Actinocrinites laevis*
- Actinocrinus laevis* Goldfuss, 1831 (non Miller, 1821) = *Actinocrinites goldfussi*
- Actinocrinus laevissimus* Austin and Austin, 1843 = *Dialutocrinus laevissimus* = *Actinocrinites laevissimus*

*Actinocrinus lagena* Hall, 1861 = *Cactocrinus proboscidualis*

*Actinocrinus lagunculus* Hall, 1859 = *Macrocrinus lagunculus* = *M. mundulus*

*Actinocrinus (Megistocrinus) latus* Hall, 1858 = *Megistocrinus latus*

*Actinocrinus laura* Hall, 1861 = *Abatocrinus laura* = *Uperocrinus laura*

*Actinocrinus lepidus* Hall, 1859 = *Abatocrinus Lepidus* = *Eutrophocrinus lepidus*

*Actinocrinus leucosia* Hall, 1861 = *Eretmocrinus leucosia*

*Actinocrinus limabrachiatus* Hall, 1861 = *Cactocrinus limabrachiatus* = *Cusacrinus limabrachiatus*

*Actinocrinus liratus* Hall, 1859 = *Teleiocrinus liratus*

*Actinocrinus lobatus* Hall, 1859 = *Actinocrinites lobatus*

*Actinocrinus lobatus* Hall, 1859 (part) = *Actinocrinites lowei*

*Actinocrinus lobatus* Hall, 1859 (part) = *Actinocrinites probolos*

*Actinocrinus lobatus* Worthen, 1890 (*non* Hall, 1859) = *Actinocrinites augustatus* = *A. jugosus* = *A. lowei*

*Actinocrinus locellus* Hall, 1861 = *Cactocrinus reticulatus* = *Nunnacrinus locellus*

*Actinocrinus longidigitatus* Angelin, 1878 = *Periechocrinites longidigitatus* = *Periechocrinus longidigitatus*

*Actinocrinus longimanus* Angelin, 1878 = *Periechocrinites longimanus* = *Periechocrinus longimanus*

*Actinocrinus longirostris* Hall, 1858 = *Batocrinus longirostris* = *Lobocrinus longirostris* = *Uperocrinus longirostris*

*Actinocrinus longispinus* (Austin and Austin, 1843) = *Dialutocrinus longispinosus*

*Actinocrinus longus* Meek and Worthen, 1870 = *Cusacrinus longus*

*Actinocrinus loricatus* (Schlotheim); Bather, 1907 = *Thinocrinus loricatus*

*Actinocrinus lowei* Hall, 1858 = *Actinocrinites lowei*

*Actinocrinus lowii* Hall, 1858 = *Actinocrinites lowei*

- Actinocrinus lucina* Hall, 1861 = *Cactocrinus lucina*
- Actinocrinus magnificus* Lyon and Casseday, 1859 = *Eretmocrinus magnificus*
- Actinocrinus magnificus* Wachsmuth and Springer, 1897 (part) (*non* Lyon and Casseday, 1859) = *Actinocrinites magnificus*
- Actinocrinus magnificus* Wachsmuth and Springer, 1897 (part) (*non* Lyon and Casseday, 1859) = *Actinocrinites jugosus*
- Actinocrinus magnificus* Abel, 1924, p. 276, Fig. 408 (*non* Wachsmuth and Springer, 1897). (Not an *Actinocrinites*, GDW)  
Silurian. United States, Tennessee
- Actinocrinus major* Angelin, 1878, p. 6, Pl. 18, fig. 10. Bassler and Moodey, 1943, p. 271. (Not an *Actinocrinites*, GDW.)  
*Actinocrinites major* (Angelin, 1878). Bassler and Moodey, 1943, p. 271.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Actinocrinus marcoui* Collingnon, 1924 = *Actinocrinites marcoui*
- Actinocrinus matuta* Hall, 1861 = *Eretmocrinus matutus* = *Marocrinus matutus*
- Actinocrinus matuta* var. *attenuata* Hall, 1861 = *Eretmocrinus attenuatus* = *Abatocrinus attenuatus*
- Actinocrinus medius* Angelin, 1878 = *Dimerocrinites medius*
- Actinocrinus meeki* Lyon, 1862 = *Macrostylocrinus meeki*
- Actinocrinus milleri* Peck and Keyte, 1938 = *Actinocrinites milleri* = *Aacocrinus milleri* = *Aacocrinus sampsoni*
- Actinocrinus minor* Hall, 1858 = *Megistocrinus evansii*
- Actinocrinus mississippiensis* (Roemer, 1853) = *Dorycrinus mississippiensis*
- Actinocrinus mississippiensis* var. *spiniger* Hall, 1859 = *Dorycrinus mississippiensis*
- Actinocrinus* (*Dorycrinus*) *mississippiensis* var. *spiniger* Hall, 1859 = *Dorycrinus mississippiensis*
- Actinocrinus missouriensis* Shumard, 1855 = *Dorycrinus missouriensis*
- Actinocrinus moniliferus* (Miller, 1821) part = *Periechocrinus moniliferus*
- Actinocrinus moniliformis* Phillips, 1836 = *Periechocrinus costatus*

*Actinocrinus monticuliferus* Miller and Gurley, 1894 = *Actinocrinites monticuliferus*

*Actinocrinus mortoni* (Troost, 1850) = *Globocrinus unionensis*

*Actinocrinus multibrachiatus* Hall, 1858 = *Cactocrinus multibrachiatus*

*Actinocrinus multibrachiatus* var. *echinatus* Hall, 1861 = *Cactocrinus multibrachiatus*

*Actinocrinus multicornis* Lyon, 1869 = *Centriocrinus pentaspinus*

*Actinocrinus multiradiatus* Shumard, 1857 = *Actinocrinites multiradiatus*

*Actinocrinus multiramosus* Wachsmuth and Springer, 1897 = *Actinocrinites multiramosus*  
= *A. gibsoni*

*Actinocrinus multiramosus* var. *altidorsatus* Rowley, 1904 = *Actinocrinites multiramosus altidorsatus*

*Actinocrinus mundulus* Hall, 1859 = *Batocrinus mundulus* = *Macrocrinus mundulus*

*Actinocrinus nashvillae* (Troost, 1850) = *Batocrinus nashvillae* = *Lobocrinus nashvillae*  
= *Uperocrinus nashvillae*

*Actinocrinus nashvillae* var. *subtractus* White, 1862 = *Lobocrinus nashvillae subtractus*  
= *Uperocrinus nashvillae subtractus*

*Actinocrinus* sp. *nobis (grandis)* Lyon and Casseday, 1859 = *Abatocrinus grandis*

*Actinocrinus nodobrachiatus* Wachsmuth and Springer, 1889 = *Cactocrinus nodobrachiatus* = *Cusacrinus nodobrachiatus*

*Actinocrinus nodosus* Miller, 1891 = *Cactocrinus thalia*

*Actinocrinus novobrachiatus* Wachsmuth and Springer in Miller, S. A., 1889 =  
*Cusacrinus nodobrachiatus*

*Actinocrinus nubilis* Angelin, 1878 = *Periechocrinites nubilis* = *Periechocrinus nubilis*

*Actinocrinus nyssa* Hall, 1862 = *Gennaeocrinus nyssa*

*Actinocrinus obesus* Keyes, 1894 = *Cactocrinus obesus*

*Actinocrinus oblatatus* Hall, 1859 = *Dizygocrinus rotundus* = *Azygocrinus rotundus*

*Actinocrinus obpyramidalis* Winchell and Marcy, 1865 = *Melocrinus obpyramidalis* =  
*Melocrinites obpyramidalis*

*Actinocrinus ohmoriensis* Minato, 1951 = *Actinocrinites ohmoriensis*

*Actinocrinus olla* M'Coy, 1849 = *Ectocrinus olla*

*Actinocrinus (Amphoracrinus?) olla* M'Coy, 1849 = *Actinocrinites olla* = *Ectocrinus olla*

*Actinocrinus olliculus* Hall, 1861 = \**Aryballocrinus whitei*

*Actinocrinus (Megistocrinus) olliculus* Hall, 1861 = *Periechocrinites whitei* =  
*Aryballocrinus whitei*

*Actinocrinus (Megistocrinus) ontario* Hall, 1862 = *Megistocrinus ontario*

*Actinocrinus opusculum* Hall, 1859 = *Cactocrinus opusculus*

*Actinocrinus opusculus* Hall, 1859 = *Cactocrinus opusculus*

*Actinocrinus ornatissimus* Wachsmuth and Springer, 1889, part = *Cactocrinus arnoldi* =  
*Cusacrinus ornatissimus* = *C. nodobrachiatus*

*Actinocrinus ornatus* Hall, 1858 = *Physetocrinus ornatus*

*Actinocrinus ovatus* Hall, 1861 = *Cactocrinus reticulatus ovatus*

*Actinocrinus pallubrum* Miller and Gurley, 1896 = *Actinocrinites pallubrum* =  
*Nunnacrinus pallubrum*

*Actinocrinus papillatus* Hall, 1859 = *Batocrinus clypeatus* = *Abatocrinus clypeatus*

*Actinocrinus parkinsoni* Mantell, 1854, p. 295, Fig. 94, no. 1. (**Note.** Figure after  
Parkinson, 1811)  
Mississippian. United Kingdom

*Actinocrinus parvus* Shumard, 1855 = *Dizygocrinus parvus* = *Aorocrinus parvus*

*Actinocrinus pendens* Hall, 1859 = *Dorycrinus pendens* = *D. unicornis*

*Actinocrinus penicillus* (Meek and Worthen, 1870) = *Cusacrinus penicillus*

*Actinocrinus pentactis* Quenstedt, 1867, Pl. 71, figs. 22a-22b. Quenstedt, 1876, p. 610,  
Pl. 111, fig. 32. Quenstedt, 1885, p. 957, Pl. 77, fig. 5. Bassler and Moodey,  
1943, p. 280 (some undeterminable *Dolatocrinus*).

*Actinocrinites pentactis* (Quenstedt, 1867). Quenstedt, 1885, p. 957, Pl. 77, fig. 5.  
(Given as *Actinocrinus pentactis* on plate explanation).  
Devonian. United States, Ohio



- Actinocrinus pentagonus* Hall, 1858 = *Steganocrinus pentagonus*
- Actinocrinus (Agaricocrinus) pentagonus* var. *convexus* Hall, 1859 = *Agaricocrinus convexus*
- Actinocrinus pentaspinus* Lyon, 1869 = *Centriocrinus pentaspinus*
- Actinocrinus permicus* Wanner, 1924 = *Actinocrinites permicus*
- Actinocrinus pernodosus* Hall, 1858 = *Actinocrinites pernodosus*
- Actinocrinus pernodosus* var.? Hall, 1858 = *Actinocrinites pernodosus*
- Actinocrinus perumbrosus* Hall, 1860 = \**Strotocrinus perumbrosus* = \**S. glyptus*
- Actinocrinus pettisensis* Miller and Gurley, 1896 = *Actinocrinites pettisensis* = *Nunnacrinus pettisensis*
- Actinocrinus pistilliformis* (Meek and Worthen, 1865) = *Lobocrinus pyriformis* = *Uperocrinus pyriformis*
- Actinocrinus (Uperocrinus) pistilliformis* (Meek and Worthen, 1865) = *Uperocrinus pyriformis*
- Actinocrinus pistillus* Meek and Worthen, 1865 = *Abatocrinus pistillus*
- Actinocrinus (Batocrinus) pistillus* Meek and Worthen, 1865 = *Abatocrinus pistillus*
- Actinocrinus plagosus* Miller and Gurley, 1894 = *Actinocrinites plagosus*
- Actinocrinus planobasalis* Hall, 1859 = *Amphorocrinus divergens* = \**Displodocrinus divergens*
- Actinocrinus planodiscus* Hall, 1859 = *Eutrochocrinus planodiscus*
- Actinocrinus? plumosus* Hall, 1843b = *Glyptocrinus plumosus* =  $\emptyset$  *Eomyelodactylus plumosus*.
- Actinocrinus pocillum* Hall, 1862 = *Megistocrinus depressus*
- Actinocrinus pollubrum* (Miller and Gurely, 1896) = *Nunnacrinus pallubrum*
- Actinocrinus polydactylus* (Miller, 1821) = *Dialutocrinus polydactylus*
- Actinocrinus polydactylus* (Bonny, 1835) = *Ctenocrinus pachydactylus*
- Actinocrinus polydactylus* de Koninck, 1878 = ?*Actinocrinites polydactylus*

*Actinocrinus porteri* Whidborne, 1896 = *Actinocrinites porteri* = *Eumorphocrinus porteri*

*Actinocrinus praecursor* Hall, 1862 = *Aorocrinus praecursor*

*Actinocrinus proboscidualis* Hall, 1858 = *Cactocrinus proboscidualis*

*Actinocrinus (Cactocrinus) proboscidualis* Hall, 1858 = *Cactocrinus proboscidualis*

*Actinocrinus prumiensis* Zeiler and Wirtgen, 1855 = *Periechocrinites prumiensis* =  
*Periechocrinus prumiensis* = *Pyxidocrinus prumiensis*

*Actinocrinus prumiensis* var. *geometricus* Schultze, 1866 = *Periechocrinites prumiensis*  
*geometricus* = *Periechocrinus prumiensis geometricus*

*Actinocrinus pulcher* M'Coy, 1854 = *Periechocrinus pulcher*

*Actinocrinus pusillus* M'Coy, 1844 = *Actinocrinites pusillus*

*Actinocrinus puteatus* Rowley and Hare, 1891 = *Nunnacrinus puteatus*

*Actinocrinus pyramidatus* Hall, 1858 = *Agaricocrinus pyramidatus*

*Actinocrinus pyriformis* Shumard, 1855 = *Batocrinus pyriformis* = *Lobocrinus pyriformis*  
*pyriformis* = *Uperocrinus pyriformis*

*Actinocrinus (Batocrinus) pyriformis* Shumard, 1855 = *Uperocrinus pyriformis*

*Actinocrinus pyriformis* var. *rudis* Meek and Worthen, 1861 = *Lobocrinus pyriformis* =  
*Uperocrinus pyriformis*

*Actinocrinus quadrispinus* White, 1862 = *Amphoracrinus divergens* = *\*Displodocrinus*  
*divergens*

?*Actinocrinus quadrispinus* White, 1865 = *\*Displodocrinus divergens*

*Actinocrinus quaternarius* Hall, 1859 = *Cactocrinus proboscidualis*

*Actinocrinus quaternarius* var. *spiniferus* Hall, 1861 = *Cactocrinus proboscidualis*

*Actinocrinus quinquangularis* Angelin, 1878, p. 6, Pl. 16, figs. 27-27a, 28. Bassler  
and Moodey, 1943, p. 273.

*Actinocrinites quinquangularis* (Angelin, 1878). Bassler and Moodey, 1943, p. 273.  
(Not an *Actinocrinites*, GDW.)

Silurian, Wenlockian. Sweden, Isle of Gotland

*Actinocrinus quinquelobus* Hall, 1859 = *Dorycrinus quinquelobus*

*Actinocrinus ramulosus* Hall, 1858 = *Eretmocrinus ramulosus*

*Actinocrinus regalis* Hall, 1860 = *Strotocrinus regalis* = *S. perumbrosus* = *S. glyptus*

*Actinocrinus regularis* (Hisinger, 1840) = *Eucalyptocrinites regularis*

*Actinocrinus remibrachiatus* Hall, 1861 = *Eretmocrinus remibrachiatus*

*Actinocrinus (Eretmocrinus) remibrachiatus* Hall, 1861 = *Eretmocrinus remibrachiatus*

*Actinocrinus retiarius* (Phillips in Murchison, 1839) = *Clematocrinus retiarius*

*Actinocrinus reticulatus* Hall, 1861 = *Cactocrinus reticulatus*

*Actinocrinus rotundus* Yandell and Shumard, 1855 = *Batocrinus rotundus* =  
*Dizygocrinus rotundus* = *Azygocrinus rotundus*

*Actinocrinus rubra* Weller, 1909 = *Actinocrinites rubra* = *Nunnacrinus rubra*

*Actinocrinus rudis* Hall, 1859 = *Teleiocrinus rudis* = *T. umbrosus*

*Actinocrinus rugosus* Billings, E., 1859, p. 26, Figs. 7-8. Bassler and Moodey, 1943, p.  
280 (based on sketches of some undetermined camerate).  
Early Silurian. Canada

*Actinocrinus rugosus* Trenkner, 1868 = *Melocrinites heiroglyphicus* = *Melocrinites rugosus*

*Actinocrinus (Amphoracrinus) rugosus* Rofe, 1865 = *Amphoracrinus rugosus*

*Actinocrinus rusticus* Hall, 1861 = *Actinocrinites sharonensis*

*Actinocrinus sampsoni* Miller and Gurley, 1896 = *Actinocrinites sampsoni* =  
*Nunnacrinus sampsoni*

*Actinocrinus schultzianus* Angelin, 1878 = *Periechocrinites schultzianus* =  
*Periechocrinus schultzianus*

*Actinocrinus scitulus* Meek and Worthen, Kirk, 1943 = *Actinocrinites sharonensis*

*Actinocrinus sculptus* Hall, 1858 = *Steganocrinus sculptus* = *Cytidocrinus sculptus*

*Actinocrinus securus* Hall, 1861 = *Cactocrinus thetis* = *Cusacrinus thetis*

*Actinocrinus sedaliensis* Miller, S. A., 1892c, p. 270, Pl. 3, figs. 1-3 (adv. copy). Miller,  
S.

A., 1894, p. 270, Pl. 3, figs. 1-3. Weller, S., 1898c, p. 63. Bassler and Moodey, 1943, p. 281 (probably some Burlington *Teleocrinus*).  
Mississippian, Tournaisian, (Kinderhookian), Chouteau Limestone. United States, Missouri

*Actinocrinus sedaliensis* Miller and Gurley, 1895 (*non* Miller, 1892) = *Actinocrinites sedaliensis*

*Actinocrinus semimultiramosus* Whitfield, 1900 = *Actinocrinites semimultiramosus*

*Actinocrinus (Saccocrinus) semiradiatus* Hall, 1864 = *Macrostylocrinus semiradiatus*

*Actinocrinus senarius* Hall, 1859 = *Physetocrinus ornatus*

*Actinocrinus senectus* Miller and Gurley, 1897 = *Actinocrinites senectus* = *Aacocrinus senectus*

*Actinocrinus sexarmatus* Hall, 1859 = *Cactocrinus sexarmatus*

*Actinocrinus sexarmatus* Hall, 1872 = *Cactocrinus extensus*

*Actinocrinus sexarmatus* var. Hall, 1872 = *Cactocrinus extensus*

*Actinocrinus sillimani* Meek and Worthen, 1861 = *Actinocrinus scitulus* = *Actinocrinites sharonensis*

*Actinocrinus similis* Hall, 1859 = *Batocrinus mundulus* = *Macrocrinus mundulus*

*Actinocrinus simplex* (Phillips, 1839) = *Carpocrinus simplex*

*Actinocrinus sinuosus* Hall, 1859 = *Batocrinus laura sinuosus* = *Abatocrinus laura* = *Uperocrinus laura*

*Actinocrinus skourensis* Termier and Termier, 1950 = *Actinocrinites skourensis*

*Actinocrinus sobrinus* Miller and Gurley, 1896 = *Actinocrinites sobrinus*

*Actinocrinus (Saccocrinus) speciosus* (Hall, 1852) = *Periechocrinus speciosus*

*Actinocrinus speciosus* Meek and Worthen, 1860 (*non* Hall, 1852) = *Periechocrinus speciosus* = *Strotocrinus regalis* = *S. perumbrosus* = *S. glyptus*

*Actinocrinus spectabilis* Miller and Gurley, 1896 = *Actinocrinites spectabilis*

*Actinocrinus spinaetectus* Wanner, 1937 = *Actinocrinites spinaetectus*

*Actinocrinus spinobrachiatus* Hall, 1859 = *Amphoracrinus? spinobrachiatus* =  
\**Ancalocrinus spinobrachiatus*

*Actinocrinus spinosulus* Hall, 1859 = *Dorycrinus mississippiensis*

*Actinocrinus spino-tentaculus* Hall, 1859 = *Actinocrinus spinotentaculus* = *Cusacrinus spinotentaculus*

*Actinocrinus spinotentaculus* Hall, 1859 = *Cusacrinus spinotentaculus*

*Actinocrinus spinulosus* Hall, 1859 = *Aorocrinus spinulosus* = *Dorycrinus mississippiensis*

*Actinocrinus spinulosus* (Meek and Worthen, 1894) = *Actinocrinites spinulosus* =  
*Aacocrinus spinosulus*

*Actinocrinus stellaris* de Koninck and Le Hon, 1854 = *Actinocrinites stellaris* =  
*Nunnacrinus stellaris*

*Actinocrinus (Agaricocrinus) stellatus* Hall, 1858 = *Agaricocrinus stellatus*

*Actinocrinus steropes* Hall, 1859 = *Batocrinus steropes* = *Abatocrinus stereopes*

*Actinocrinus striatus* Münster, 1840 = *Melocrinus striatus* = *Melocrinites striatus* =  
*Abatocrinus stereopes*

*Actinocrinus? striatus* Münster; Bronn, 1848 = *Melocrinus striatus* = *Melocrinites striatus*  
= *Abatocrinus stereopes*

*Actinocrinus subaculeatus* Hall, 1858 = *Aorocrinus subaculeatus*

*Actinocrinus subaequalis* McChesney, 1860 = *Batocrinus subaequalis* = *Abatocrinus aequalis*

*Actinocrinus subcrassus* Meek and Worthen, 1865 = *Iocrinus subcrassus*

*Actinocrinus subpulchellus* Miller and Gurley, 1896 = *Actinocrinites subpulchellus*

*Actinocrinus subrotundatus* Hall, 1859a, Pl. 2, fig. 4. Weller, S., 1898c, p. 64.  
*Batocrinus subrotundatus* (Hall, 1859). Weller, S., 1898c, p. 135.  
*Actinocrinus subrotundus* Hall, 1859. Bassler and Moodey, 1943, p. 281 (sic).  
Horizon and Locality unknown

*Actinocrinus subrotundus* Hall, 1859 = *Actinocrinus subrotundatus*

*Actinocrinus subscitulus* Miller and Gurley, 1896 = *Actinocrinites subscitulus*

*Actinocrinus subturbinatus* Meek and Worthen, 1860 = *Dorycrinus subturbinatus*

*Actinocrinus (Amphoracrinus) subturbinatus* Meek and Worthen, 1860 = *Amphoracrinus subturbinatus* = *Dorycrinus subturbinatus*

*Actinocrinus subumbrosus* Hall, 1859 = *Teleiocrinus liratus*

*Actinocrinus subventricosus* McChesney, 1860 = *Physetocrinus ventricosus*

*Actinocrinus superlatus* Hall, 1858 = *Megistocrinus evansii*

*Actinocrinus symmetricus* Hall, 1858 = *Aorocrinus symmetricus*

*Actinocrinus? tenuidiscus* Hall, 1861 = *Periechocrinites tenuidiscus* = *Periechocrinus tenuidiscus* = *Aryballocrinus tenuidiscus*

*Actinocrinus tenuiradiatus* Hall, 1847. Miller, S. A., 1889, p. 220. = *Palaeocystites tenuiradiatus* (cystoid)

*Actinocrinus tenuiradiatus* Hall, 1861 = *Teleiocrinus tenuiradiatus* = *T. liratus*

*Actinocrinus tenuis* de Koninck and Le Hon, 1854 = *Actinocrinites tenuis*

*Actinocrinus tenuisculptus* McChesney, 1860 = *Cusacrinus tenuisculptus*

*Actinocrinus tenuisculptus* Wachsmuth and Springer, 1897 = *Cusacrinus chloris*

*Actinocrinus tenuistriatus* Phillips, 1841 = *Actinocrinites tenuistriatus*

*Actinocrinus? tenuistriatus* Phillips, 1841 = *Actinocrinites tenuistriatus*

*Actinocrinus tessellatus* Phillips, 1836 = *Dialutocrinus tessellatus*

*Actinocrinus tessellatus* Phillips, 1836 = *Dialutocrinus tessellatus*

*Actinocrinus tesseracontadactylus* Goldfuss, 1831 = *Abacocrinus tesseracontadactylus*

*Actinocrinus tesseracontadactylus* Hisinger, 1839 = *Carpocrinus simplex*

*Actinocrinus tesseratus* (Goldfuss, 1831) = *Cupressocrinus tesseratus* = *Halocrinites tesserulus*

*Actinocrinus thalia* Hall, 1861 = *Cactocrinus thalia*

*Actinocrinus themis* Hall, 1861 = *Cactocrinus proboscidualis*

*Actinocrinus thetis* Hall, 1861 = *Cactocrinus thetis* = *Cusacrinus thetis*

- Actinocrinus 30-dactylus* (Miller, 1821) (part) = *Actinocrinites tricontadactylus*
- Actinocrinus thoas* Hall, 1861 = *Cactocrinus reticulatus*
- Actinocrinus tholus* Hall, 1859 = *Cactocrinus glans*
- Actinocrinus timoricus* Wanner, 1924 = *Actinocrinites timoricus*
- Actinocrinus tricontadactylus* (Miller, 1821) (part) = *Actinocrinites tricontadactylus*
- Actinocrinus tricornis* Hall, 1859 = *Dorycrinus unicornis*
- Actinocrinus tricuspидatus* de Koninck and Le Hon, 1854 = *Actinocrinites tricuspидatus*
- Actinocrinus trijugis* (Miller, 1891) = *Actinocrinites trijugis* = *Blairocrinus trijugis*
- Actinocrinus trinodus* Hall, 1861 = *Dorycrinus unispinus*
- Actinocrinus tuberculatus* Wachsmuth and Springer, 1897 = *Actinocrinites tuberculatus*  
= *Cusacrinus tuberculatus*
- Actinocrinus turbinatus* Hall, 1858 = *Abatocrinus turbinatus*
- Actinocrinus turbinatus* var. *elegans* Hall, 1858 = *Abatocrinus turbinatus*
- Actinocrinus umbrosus* Hall, 1858 = *Teleiocrinus umbrosus*
- Actinocrinus urniformis* McChesney, 1860 = \**Macrocrinus konincki*
- Actinocrinus unicarinatus* Hall, 1859 = *Actinocrinites unicarinatus* = *Actinocrinites lowei*
- Actinocrinus unicornis* Owen and Shumard, 1850 = *Dorycrinus unicornis*
- Actinocrinus unispina* Hall, 1861 = *Dorycrinus unispinus*
- Actinocrinus unispinus* Hall, 1861 = *Dorycrinus unispinus*
- Actinocrinus urna* (Troost, 1850) = *Abatocrinus grandis*
- Actinocrinus urnaeformis* McChesney, 1860 = *Macrocrinus konincki*
- Actinocrinus validus* Meek and Worthen, 1860 = *Steganocrinus validus*
- Actinocrinus ventricosus* Hall, 1858 = *Physetocrinus ventricosus*
- Actinocrinus ventricosus* var. *cancellatus* Hall, 1861 = *Physetocrinus ventricosus*

*Actinocrinus ventricosus* var. *intermedius* Hall, 1861 = *Physetocrinus ventricosus*

*Actinocrinus ventricosus* var. *internodius* Hall, 1861 = *Physetocrinus ventricosus*

*Actinocrinus ventricosus* var. *reticulatus* Hall, 1861 = *Physetocrinus ventricosus*

*Actinocrinus verneuillianus* Shumard, 1855 = *Batocrinus verneuillianus* = *Eretocrinus verneuillianus* = *Macrocrinus verneuillianus*

*Actinocrinus verneuillianus* Shumard, 1866 = *Periechocrinites whitfieldi* = *Periechocrinus whitfieldi*

*Actinocrinus verrucosus* Hall, 1858 = *Actinocrinites verrucosus*

*Actinocrinus viaticus* White, 1874 = *Actinocrinites viaticus* = *Cusacrinus viaticus*

*Actinocrinus viminalis* Hall, 1863 = *Amphoracrinus viminalis*

*Actinocrinus wachsmuthi* White, 1862 = *Actinocrinites sharonensis*

*Actinocrinus wachsmuthi* White, 1880 = *Batocrinus grandis* = *Abatocrinus grandis*

*Actinocrinus waldronensis* Shumard, 1866 = *Periechocrinus whitfieldi*

*Actinocrinus (Megistocrinus) whitei* Hall, 1861, part = *Cactocrinus glans*

*Actinocrinus (Megistocrinus) whitei* Hall, 1861, part = *Megistocrinus (Saccocrinus) whitei* = *Periechocrinus? whitei* = *\*Aryballocrinus whitei*

*Actinocrinus whitii* Hall, 1861 = *\*Aryballocrinus whitei*

*Actinocrinus whitfieldi* Hall, 1864 = *Periechocrinites whitfieldi* = *Periechocrinus whitfieldi*

*Actinocrinus (Saccocrinus) whitfieldi* Hall, 1870 = *Periechocrinites whitfieldi* = *Periechocrinus whitfieldi*

*Actinocrinus wyneei* Baily, 1860, p. 11, Figs. 1, nos. a-i. Bigsby, 1868, p. 196. Bassler and Moodey, 1943, p. 282. (Not an *Actinocrinites*, GDW)  
Ordovician, Darriwilian (late Llandeilian). Ireland

*Actinocrinus yandelli* Shumard, 1857 = *Eretmocrinus yandelli* = *Magnuscrinus yandelli*

*Actinocrinus* sp. = *Actinocrinites* spp.

*Actinocrinus* sp. Geinitz, 1867 (part) = *Aatocrinus mucrospinus*



*Actinocrinus* sp. Geinitz, 1867 (part) = Inadunate spinose brachial

*Actinocrinus* sp. ind.

Bigsby, 1868, p. 18. (after Hall) (Not an Actinocrinitid. GDW)

Early Silurian. United States, New York

Bigsby, 1868, p. 18. (after Salter) (Not an Actinocrinitid. GDW)

Late Silurian. Canada, Griffith's Island

Bigsby, 1868, p. 18. (after Selwyn) (Not an Actinocrinitid. GDW)

Early Silurian. Australia

*Actinocrinus* sp. ind. Etheridge, 1892 = *Tribrachyocrinus corrugatus* = Actinocrinid  
indet. Webster and Jell, 1999a

*Actinocrinus* sp. indetermin. Romanovsky, 1890, p. 83, Pl. 14, fig. 13. (Part of a tegmen?  
of uncertain genus, GDW)

Mississippian?. Russia, Turkestan

*Actinocrinus?* sp. Etheridge, 1892 (part) = *Tribrachyocrinus corrugatus*

*Actinocrinus* sp. ind. Etheridge in Jack and Etheridge, 1892 = *Actinocrinites* sp. ind.

*Actinocrinus jessieae* (Miller and Gurley, 1896) = *Nunnacrinus jessieae*

*Actinocrinites tesseratus* Goldfuss, 1831 = *Cupressocrinites gracilis*

*Actinocrinus multiramosus* (Wachsmuth and Springer, 1897) = *Actinocrinites gibsoni*

**ACUTOBRACHIOLA** Termier and Termier, 1974, *Nomen vetitum*.

Termier, H. and Termier, G., 1974, p. 31. Jeffords in Moore and Teichert, 1978, p.  
T937. Webster, 1986, p. 45.

Devonian, Pragian. Morocco

*Acutobrachiola* sp. 1 Termier H. and Termier, G., 1974, p. 31, Pl. 4, figs. 6-8.

Webster, 1986, p. 45.

Devonian, Pragian. Morocco

*Acutobrachiola* sp. 2 Termier, H. and Termier, G., 1974, p. 31, Pl. 4, fig. 12. Webster,  
1986, p. 45.

Devonian, Pragian. Morocco

cf. *Acutobrachiola* sp. Termier, H. and Termier, G., 1974, p. 42, Pl. 4, fig. 3. Webster,  
1986, p. 45.

Devonian, Pragian. Morocco

**ACYLOCRINUS** Kirk, 1947. \**A. tumidus* Kirk, 1947.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Decadocrinidae

Kirk, 1947, p. 293. Webster, 1973, p. 39. Moore and Strimple *in* Moore and Teichert, 1978, p. T686. Webster, 1986, p. 45.

*TROPIOCRINUS* Kirk, 1947. \**Poteriocrinites (Scaphiocrinus) rudis* Meek and Worthen, 1869. Kirk, 1947, p. 299. Webster, 1973, p. 261. Moore and Strimple *in* Moore and Teichert, 1978, p. T686.

Named, currently recognized species based on cups or crowns: 8 Mississippian species, 1 Tournaisian, 7 Viséan

Mississippian, Viséan (Osagean). United States, Iowa, Missouri

*Acylocrinus carinatus* (Kirk, 1947). New Combination

*Tropiocrinus carinatus* Kirk, 1947, p. 300, Pl. 1, fig. 7. Webster, 1973, p. 261.

Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds. United States, Iowa

*Acylocrinus depressus* Kirk, 1947, p. 294, Pl. 1, fig. 9. Webster, 1973, p. 39. Webster, 1986, p. 45.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Acylocrinus mcadamsi* (Meek and Worthen, 1873). Kammer, 2008, p. 181.

*Poteriocrinites (Scaphiocrinus) mcadamsi* Worthen, Ms. *in* Meek and Worthen, 1873, p. 495, Pl. 15, fig. 2. Bassler and Moodey, 1943, p. 496.

*Poteriocrinites (Scaphiocrinus) mcadamis* Meek and Worthen, 1873. Webster, 1986, p. 282 (sic).

*Graphiocrinus mcadamsi* (Meek and Worthen, 1873). Weller, S., 1898c, p. 301. Van Sant *in* Van Sant and Lane, 1964, p. 83, Pl. 3, fig. 3. Webster, 1973, p. 142.

Frest and Strimple, 1977d, p. 860, Figs. 1, no. A; 2, no. A. Webster, 1986, p. 282. Kammer and Ausich, 1992, p. 468. Kammer and Ausich, 1993, p. 618.

*Graphiocrinus macadamsi* (Meek and Worthen, 1873). Miller, S. A., 1889, p. 251.

*Scaphiocrinus macadamsi* (Meek and Worthen, 1873). Miller, S. A., 1889, p. 280.

*Scaphiocrinus mcadamsi* (Meek and Worthen, 1873). Weller, S., 1898c, p. 301.

*Scytalocrinus? mcadamsi* (Meek and Worthen, 1873). Weller, S., 1898c, p. 301.

Webster, 1986, p. 282. Kammer and Ausich, 1993, p. 618.

Non *Acylocrinus mcadamsi* (Meek and Worthen, 1873). Kammer, 2008, p. 181, Fig. 9.2, nos. 5-6.

**Note:** Kammer, 2008, reassigned *Poteriocrinites (Scaphiocrinus) mcadamsi* to *Acylocrinus*, however, the specimen that he illustrated does not have the moderately strong cuneate brachials typical of *A. mcadamsi*. GDW, 2010)

Mississippian, Viséan (Osagean), Keokuk Limestone, lower part of Warsaw Formation. United States, Illinois, Iowa

*Acylocrinus planatus* (Kirk, 1947). New Combination

*Tropiocrinus planatus* Kirk, 1947, p. 301, Pl. 1, fig. 8. Webster, 1973, p. 261.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Acylocrinus rudis* (Meek and Worthen, 1870) = *Ramulocrinus rudis*

- Acylocrinus sampsoni* (Weller, 1909). Kirk, 1947, p. 295. Webster, 1973, p. 39.  
*Graphiocrinus sampsoni* Weller, S., 1909a, p. 280, Pl. 11, fig. 23. Bassler and Moodey, 1943, p. 497. Kirk, 1947, p. 295. Webster, 1973, p. 39.  
 Mississippian, Tournaisian (early Osagean), Fern Glen Formation. United States, Missouri
- Acylocrinus striatus* (Meek and Worthen, 1870). Kirk, 1947, p. 296. Webster, 1973, p. 39. Kammer, 2008, p. 179, Fig. 9.1, nos. 3-5.  
*Poteriocrinites (Graphiocrinus, Scaphiocrinus) striatus* Meek and Worthen, 1870a, p. 142. Bassler and Moodey, 1943, p. 497. Kirk, 1947, p. 296. Webster, 1973, p. 39.  
*Poteriocrinites (Scaphiocrinus) striatus* Meek and Worthen, 1870. Meek and Worthen, 1873, p. 418, Pl. 2, fig. 11. Bassler and Moodey, 1943, p. 497.  
*Scaphiocrinus striatus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 301.  
*Graphiocrinus striatus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 123. Miller, S. A., 1889, p. 251. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 497.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Acylocrinus tortuosus* (Hall, 1861). Kirk, 1947, p. 296. Webster, 1973, p. 39.  
*Scaphiocrinus tortuosus* Hall, 1861a, p. 309. Hall, 1861b, p. 7. Hall, 1861c, p. 309. Shumard, 1868, p. 396. Miller, S. A., 1889, p. 281. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 498. Kirk, 1947, p. 296. Webster, 1973, p. 39.  
*Graphiocrinus tortuosus* (Hall, 1861). Wachsmuth and Springer, 1880 (1879), p. 123. Miller, S. A., 1889, p. 251. Whitfield, 1893a, p. 32, Pl. 3, figs. 15-17. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 498.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- \**Acylocrinus tumidus* Kirk, 1947, p. 297, Pl. 1, figs. 10-12. Webster, 1973, p. 39. Moore and Strimple *in* Moore and Teichert, 1978, p. T686, Fig. 452, no. 2.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Acylocrinus?* sp. indet. Hashimoto, 1984, p. 12, Pl. 3, figs. 2a-2c; Fig. 5, nos. 2a-2b. Webster, 1993, p. 21.  
 Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone.  
 Japan
- ADACRINUS** Pabian and Strimple, 1985. \**Oklahomacrinus loeblichii* Moore, 1939. Sbc. Cladida, Inf. Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, ?F.  
 Ampelocrinidae  
 Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 28. Pabian and Rushlau, 2002, p. 30.  
 Named, currently recognized species based on cups or crowns: 6 Pennsylvanian species, 1 subspecies; 1 Bashkirian or Westphalian, 1 Desmoinesian, 1

Missourian (+1 subspecies), 3 Virgilian,  
Late Pennsylvanian, Missourian - Virgilian. United States  
Pennsylvanian, Bashkirian or Westphalian. Canada

*Adacrinus bowsheri* (Moore, 1939). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 28. Pabian and Rushlau, 2002, p. 30.

*Oklahomacrinus bowsheri* Moore, 1939c, p. 265, Pl. 9, figs. 4a-4b; Figs. 27, nos. a, b; 33, nos. a-e; 36, nos. a-c. Bassler and Moodey, 1943, p. 574. Burke, 1966b, p. 466, Fig. 3. Webster, 1973, p. 184. Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 28.

Pennsylvanian, Virgilian, Negaloney Formation. United States, Oklahoma

*Adacrinus canyonensis* (Strimple and Nassichuk, 1974). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 29. Pabian and Rushlau, 2002, p. 31.

*Oklahomacrinus canyonensis* Strimple and Nassichuk, 1974, p. 1151, Pl. 1, figs. 3, 12; Fig. 1, no. i. Pabian and Strimple, 1985, p. 51. Webster, 1986, p. 221. Webster, 1988, p. 29.

Pennsylvanian, Desmoinesian, Canyon Fiord Formation. Canada, Ellesmere Island

*Adacrinus edema* Pabian and Rushlau, 2002, p. 31, Fig. 9, nos. 7-8.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Nebraska

*Adacrinus ellesmerensis* (Strimple and Nassichuk, 1974). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 29. Pabian and Rushlau, 2002, p. 31.

*Oklahomacrinus ellesmerensis* Strimple and Nassichuk, 1974, p. 1150, Pl. 1, fig. 4; Fig. 1, no. g. Pabian and Strimple, 1985, p. 51. Webster, 1986, p. 221. Webster 1988, p. 29.

Pennsylvanian, Bashkirian or Westphalian (Morrowan or early Atokan), Hare Fiord Formation. Canada, Ellesmere Island

\**Adacrinus loeblichii* (Moore, 1939). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 29. Pabian and Rushlau, 2002, p. 30.

*Oklahomacrinus loeblichii* Moore, 1939c, p. 261, Pl. 9, figs. 2a-2b; Figs. 25, 29, nos. a-d; 30, nos. a-c, 31, nos. a-b; 34, nos. a-e; 35, nos. a-e; 37, nos. a-c. Bassler and Moodey, 1943, p. 574. Moore and Laudon, 1944, p. 167, Pl. 56, fig. 25. Strimple and Moore, 1971b, p. 7, Figs. 1, nos. 1-2; 2, nos. 1-2. Webster, 1973, p. 184. Ubaghs *in* Moore and Teichert, 1978, p. T143, Fig. 113, no. 4. Moore and Strimple *in* Moore and Teichert, 1978, p. T741, Fig. 491, nos. 1d-1f. Pabian and Strimple, 1985, p. 51. Webster, 1986, p. 221. Webster, 1988, p. 29.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Adacrinus loeblichii variabilis* (Strimple and Moore, 1971). New combination

*Oklahomacrinus loeblichii variabilis* Strimple and Moore, 1971b, p. 7, Fig. 2, no. 3. Webster, 1977, p. 119.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Adacrinus stevensi* (Moore, 1939). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 29. Pabian and Rushlau, 2002, p. 31.

*Oklahomacrinus stevensi* Moore, 1939c, p. 266, Pl. 9, figs. 3a-3c; Figs. 26, nos. a, b; 32, nos. a-d. Bassler and Moodey, 1943, p. 574. Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 29.

Pennsylvanian, Virgilian, Brownville Limestone, Negaloney Formation. United States, Oklahoma

**ADELOCRINUS** Phillips, 1841. \**A. hystrix* Phillips, 1841.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinidae

Phillips, 1841, p. 30. Pictet, 1857, p. 333. Dujardin and Hupé, 1862, p. 156.

Whidborne, 1898, p. 223. Bather *in* Lankester, 1900, p. 201. Bassler, 1938, p. 34. Bassler and Moodey, 1943, p. 282. Moore and Laudon, 1943b, p. 103.

Webster, 1973, p. 277. Jeffords *in* Moore and Teichert, 1978, p. 932. Lane, Maples, and Waters, 2001a, p. 1060.

*PERISCHODOMUS* Tornquist, 1898. Lane, Maples, and Waters, 2001a, p. 1060.

Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species,

Devonian, late Famennian. United Kingdom, Germany

\**Adelocrinus hystrix* Phillips, 1841, p. 30, Pl. 16, figs. 42a-b. Dujardin and Hupé, 1862, p. 156. Whidborne, 1898, p. 224, Pl. 30, figs. 1-7a. Drevermann, 1903, p. 518, Pl. 14, figs. 23-23a. Schmidt, W. E., 1930, p. 19. Bassler, 1938, p. 33. Bassler and Moodey, 1943, p. 282. Lane, Maples, and Waters, 2001a, p. 1060, Pl. 3, figs. 4-6, 9 (not Pl. 4, figs. 4-6, 9; plate explanations for plates 3 and 4 reversed). Lane, Maples, and Waters, 2001b, p. 240.

*Arthroacantha hystrix* (Phillips, 1841). Schmidt, W. E., 1930, p. 19. Bassler and Moodey, 1943, p. 282. Lane, Maples, and Waters, 2001a, p. 1060

*Perischodomus magnus* Tornquist, 1894, p. 103. Bather *in* Lankester, 1900, p. 203. Bassler and Moodey, 1943, p. 282. Lane, Maples, and Waters, 2001a, p. 1060.

*Platycrinus* sp. indet. 1 Schmidt, W. E., 1930, p. 14, Pl. 2, figs. 7-8. Lane, Maples, and Waters, 2001b, p. 240.

Devonian, late Famennian, Pilton Beds. United Kingdom, North Devon; Germany

**ADELPHICRINUS** Guensburg and Sprinkle, 2003. \**Adelphicrinus fortuitus*

Guensburg and Sprinkle, 2003.

Sbc. Camerata, O. ?, F. uncertain

Guensburg and Sprinkle, 2003a, p. 23.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Ordovician, Floian (middle Arenig). United States, Utah

\**Adelphicrinus fortuitus* Guensburg and Sprinkle, 2003a, p. 23, Pl. 9, figs. 6-8; Fig. 11. Ordovician, Floian (middle Arenig), upper part of Fillmore Formation. United States, Utah

**ADIAKRITOCRINUS** Webster, 1997. \**A. oviatti* Webster, 1997.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, F. uncertain  
Webster, 1997, p. 33.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species,  
Mississippian, late Tournaisian. United States, Utah

\**Adiakritocrinus oviatti* Webster, 1997, p. 34, Pls. 3, fig. 2A; 8, fig. 3.

Mississippian, early late Tournaisian, Brush Canyon Member, Devil Creek  
Member, Henderson Canyon Formation. United States, Utah

**ADINOCRINUS** Kirk, 1938. \**Zeacrinus nodosus* Wachsmuth and Springer, 1885.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Adinocrinidae

Kirk, 1938, p. 161. Bassler, 1938, p. 34. Moore and Laudon, 1943b, p. 58. Moore  
and Laudon, 1944, p. 161. Webster, 1973, p. 40. Strimple *in* Moore and Teichert,  
1978, p. T737. Webster, 1986, p. 45. Lane and Sevastopulo, 1990, p. 336.  
Webster, 1993, p. 21. Kammer and Ausich, 1994, p. 341.

Named, currently recognized species based on cups or crowns: 3 Mississippian,  
Viséan, species  
Mississippian, Viséan (Osagean). United States, Kentucky, Tennessee

*Adinocrinus artus* (Wright, 1945). Kammer and Ausich, 2007c, p. 140, unfig.

*Hydreionocrinus artus* Wright, J., 1945, p. 118, Pl. 2, figs. 16-24. Wright, J., 1951b,  
p. 88, Pl. 12, figs. 15-21, 27-29, 34. Webster, 1973, p. 152. Kammer and Ausich,  
2007c, p. 140.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Adinocrinus compactilis* (Worthen, 1873). Kirk, 1938, p. 161. Bassler and Moodey,  
1943, p. 282. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 4. Moore and Laudon,  
1944, p. 161, Pl. 60, fig. 23. Webster, 1973, p. 40.

*Poteriocrinites (Zeacrinus) compactilis* Worthen *in* Meek and Worthen, 1873, p.  
536, Pl. 21, fig. 5.

*Zeacrinus compactilis* (Worthen, 1873). Miller, S. A., 1889, p. 288. Weller, S.,  
1898c, p. 651.

Mississippian, Viséan (Osagean), Keokuk Limestone?. United States, Kentucky

\**Adinocrinus nodosus* (Wachsmuth and Springer, 1885). Kirk, 1938, p. 162. Bassler,

1938, p. 34. Bassler and Moodey, 1943, p. 283. Moore and Laudon, 1944, p.  
161, Pls. 60, fig. 25; 62, fig. 4. Webster, 1973, p. 40. Moore and Strimple *in*  
Moore and Teichert, 1978, p. T737, Fig. 487, no. 5. Webster, 1986, p. 46.  
Kammer and Ausich, 1994, p. 341, Figs. 3.1-3.3.

*Zeacrinus nodosus* Wachsmuth and Springer, 1885, Pls. 6, fig. 9; 9, fig. 3.

Wachsmuth and Springer, 1886, p. 243. Miller, S. A., 1889, p. 288. Weller, S.,  
1898c, p. 652. Bassler, 1938, p. 34. Bassler and Moodey, 1943, p. 282.

Mississippian, Viséan (Osagean), New Providence Shale; Fort Payne Formation.  
United States, Kentucky, Tennessee

*Adinocrinus pentagonus* (Miller and Gurley, 1890) = *Sciadiocrinus pentagonus*

Adunata indéterminé Termier, G. and Termier, H., 1950, p. 204, Pl. 210, fig. 11.

Webster, 1973, p. 271 (theca).

Silurian, Wenlockian. Morocco

Advanced cladid crinoid Baumiller, Gahn, and Savill, 2004, p. 395, Fig. 2.

Permian, series not given. United States, Alaska

Advanced cladid radial indeterminate 1 Webster et al., 2011, p. 46, Fig. 14, nos. a-b.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Advanced cladid radial indeterminate 2 Webster et al., 2011, p. 47, Fig. 14, nos. c-d.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Advanced cladid radial indeterminate 3 Webster et al., 2011, p. 47, Fig. 14, nos. e-f.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Advanced inadunate radial plate Maples and Waters, 1990b, p. 485, Fig. 1, nos. 1-2.

Webster, 1993, p. 21.

Carboniferous, Luocheng Formation. China

**AENIGMOCRINUS** Strimple, 1973. \**Poteriocrinus anomalus* Wetherby, 1880.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. - F. uncertain

Strimple, 1973d, p. 16. Webster, 1977, p. 29. Strimple *in* Moore and Teichert, 1978,

p. T739. Burdick and Strimple, 1983a, p. 149. Webster, 1986, p. 46. Chestnut

and Etensohn, 1988, p. 37, Fig. 10. Webster, 1988, p. 29. Lane and

Sevastopulo,

1990, p. 21. Webster, 1993, p. 21. Webster and Maples, 2006, p. 193, Fig. 3, no.

B.

Named, currently recognized species based on cups or crowns: 1 Mississippian,

Viséan - Serpukhovian (Chesterian) species

Mississippian, Viséan - Serpukhovian (middle - late Chesterian). United States

\**Aenigmocrinus anomalus* (Wetherby, 1880). Strimple, 1973d, p. 17, Fig. 10, nos. 1-

7. Webster, 1977, p. 30. Moore and Strimple *in* Moore and Teichert, 1978, p.

T739, Fig. 489, no. 1. Burdick and Strimple, 1983a, p. 149, Pl. 2, figs. 1, 3.

*Poteriocrinus anomalus* Wetherby, 1880b, p. 158, Pl. 5, figs. 6-6a. Miller, S. A.,

1889, p. 273. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 638.

Kirk, 1944d, p. 236. Strimple, 1973d, p. 16. Webster, 1973, p. 97. Webster

1977, p. 30. Bassler and Moodey, 1943, p. 638.

*Poteriocrinites anomalus* (Wetherby, 1880). Bassler and Moodey, 1943, p. 638.

*Cymbiocrinus anomalus* (Wetherby, 1880). Kirk, 1944d, p. 236, Pl. 1, fig. 5.

Strimple, 1973d, p. 16. Webster, 1973, p. 97. Webster, 1977, p. 30.

*Cymbiocrinus lyoni* Kirk, 1944d, p. 240, Pl. 1, figs. 11-12, part. Webster, 1973, p.

97. Chestnut and Etensohn, 1988, p. 38.

*Aenigmocrinus anomalus* (Wetherby, 1880). Webster, 1986, p. 46. Chestnut and

Etensohn, 1988, p. 37, Pl. 2, figs. 9-10; Fig. 20. Webster, 1988, p. 29. Webster,

1993, p. 21.

Mississippian, Viséan - Serpukhovian (middle - late Chesterian), Fraileys Formation; Hartselle Sandstone; Bangor Limestone; Pennington Formation; Fayetteville Formation; Glen Dean Limestone. United States, Alabama, Kentucky, Oklahoma

*Aenigmocrinus anomalus* (Wetherby, 1880) = *Aenigmocrinus anomalos*

**AESIOCRINUS** Miller and Gurley, 1890. \**A. magnificus* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Aesiocrinidae

Miller and Gurley, 1890a, p. 14. Miller and Gurley, 1890b, p. 337. Miller, S. A., 1892a, p. 672. Zittel, 1895, p. 137. Bassler, 1938, p. 34. Moore and Plummer, 1938, p. 304. Moore, 1939c, p. 250. Moore and Plummer, 1940, p. 385. Moore and Laudon, 1943b, p. 59, Fig. 8. Moore and Laudon, 1944, p. 167. Branson, C. C., 1948, p. 177. Strimple and Watkins, 1969, p. 188. Strimple and Moore, 1971a, p. 27. Strimple and Moore, 1971b, p. 5. Webster, 1973, p. 40. Webster, 1977, p. 30. Moore and Strimple *in* Moore and Teichert, 1978, p. T739. Webster, 1986, p. 46. Webster and Maples, 2006, p. 193, Fig. 3, no. B.

**PENTADELOCRINUS** Strimple, 1939s, p. 11. \**P. twinensis* Strimple, 1939.

Bassler and Moodey, 1943, p. 183. Moore and Strimple *in* Moore and Teichert, 1978, p. T739.

**PHYALOCRINUS** Trautschold, 1870, p. 7. Bassler, 1938, p. 152. Moore and Strimple *in* Moore and Teichert, 1978, p. T739.

**PHIALOCRINUS** Trautschold, 1879a, p. 122 (*non* Eichwald, 1856). \**Phyalocrinus patens* Trautschold, 1869. Trautschold, 1879a, p. 25. Trautschold, 1879b, p. 24. Zittel, 1880, p. 344, 360. Wachsmuth and Springer, 1880, p. 124. Bather, 1890b, p. 332. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in* Zittel, 1900, p. 162. Zittel, 1895, p. 137. Bassler, 1938, p. 151. Bassler and Moodey, 1943, p. 283. Moore and Strimple *in* Moore and Teichert, 1978, p. T739.

Named, currently recognized species based on cups or crowns: 15 species. 1

Mississippian, Serpukhovian (Chesterian); 14 Pennsylvanian, 3 Desmoinesian, 2 Moscovian, 8 Missourian, 1 Virgillian

Mississippian, Serpukhovian (Chesterian); Pennsylvanian, Desmoinesian. United States

Pennsylvanian, Moscovian. Russia

*Aesiocrinus amplus* Lane and Webster, 1966 = *Polusocrinus amplus*

*Aesiocrinus angulatus* Miller and Gurley, 1892 = *Whiteocrinus angulatus* = *Apolloocrinus angulatus* = *Stellarocrinus angulatus* = *Celonocrinus angulatus*

*Aesiocrinus annulatus* Strimple and Watkins, 1969, p. 193, Pl. 31, figs. 2-3. Webster, 1977, p. 30.

Pennsylvanian, Desmoinesian, Brannon Bridge Limestone. United States, Texas

*Aesiocrinus barydactylus* (Keyes, 1894). Bassler and Moodey, 1943, p. 283. Moore and Plummer, 1940, p. 387, Pl. 14, fig. 7; Fig. 77. Pabian and Rushlau, 2002, p. 32.



*Phialocrinus barydactylus* Keyes, 1894a, p. 220, Pl. 28, fig. 1. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283.  
Pennsylvanian, Missourian, Lane Shale; Mineral Wells Formation; Graford Formation. United States, Missouri, Texas

*Aesiocrinus basilicus* Miller and Gurley, 1891, p. 369, Pl. 9, figs. 4-6. Miller, S. A., 1892a, p. 673. Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283. Strimple, 1962e, p. 47, Pl. 3, figs. 8-11. Webster, 1973, p. 40. Pabian and Rushlau, 2002, p. 32.

*Phialocrinus basilicus* (Miller and Gurley, 1891). Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283.

*Phialocrinus basiliscus* (Miller and Gurley, 1891). Keyes, 1894a, p. 220. Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Aesiocrinus delicatulus* Lane and Webster, 1966 = *Elassocrinus delicatulus*

*Aesiocrinus detrusus* Strimple, 1951c, p. 21, Pl. 4, figs. 1-3. Webster, 1973, p. 40. Pabian and Rushlau, 2002, p. 32.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Aesiocrinus* sp. cf. *A. detrusus* Strimple, 1951. Pabian and Rushlau, 2002, p. 32, Fig. 9, nos. 9-11.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Nebraska

*Aesiocrinus dilatatus* Moore and Strimple in Moore and Teichert, 1978 = *Aesiocrinus dilatatus*

*Aesiocrinus dilatatus* Moore, 1939c, p. 252, Pl. 5, figs. 9a-9c, 10a-10b; Figs. 23, nos. a-l. Bassler and Moodey, 1943, p. 283.

*Aesiocrinus dilatatus* Moore, 1939. Moore and Strimple in Moore and Teichert, 1978, p. T739, Fig. 488, nos. 2c-2h. Webster, 1986, p. 46.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

*Aesiocrinus elenae* (Yakovlev, 1930) = *Polusocrinus elenae* = *Belashovicrinus elenae*

*Aesiocrinus erectus* Strimple, 1951 = *Plummericrinus erectus* = *Anobasicrinus erectus*

*Aesiocrinus francisensis* Strimple and Moore, 1971b, p. 7, Fig. 1, no. 4. Webster, 1977, p. 30.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Aesiocrinus harii* Miller and Gurley, 1890a, p. 16, Pl. 3, fig. 1. Miller and Gurley, 1891, p. 338, Pl. 3, fig. 1. Author unknown, 1890, Unnum. Fig. Miller, S. A., 1892a, p. 673.

Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283. Pabian and Rushlau, 2002, p. 32.

*Phialocrinus harii* (Miller and Gurley, 1890). Keyes, 1894a, p. 219, Pl. 29, fig. 1.  
 Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283.  
*Graphiocrinus harei* (Miller and Gurley, 1890). McCourt, 1917, p. 61, Pl. 10.  
*Aesiocrinus* sp. Schuchert, 1904a, p. 448, Pl. 101, fig. 3.  
 Pennsylvanian, Missourian, Lane Shale. United States, Missouri

*Aesiocrinus* cf. *harii* Wright, 1937 = *Ampelocrinus plumosus*

*Aesiocrinus? inflatus* Webster and Lane, 1970, p. 287, Pl. 57, fig. 26. Webster, 1977,  
 p. 30.  
 Mississippian, Serpukhovian (Chesterian), Indian Springs Formation. United States,  
 Nevada

*Aesiocrinus inornatus* Lane and Webster, 1966 = *Elassocrinus inornatus*

*Aesiocrinus ivanovi* Yakovlev in Yakovlev and Ivanov, 1956, p. 29, Pl. 7, fig. 6.  
 Webster, 1973, p. 40. Pabian and Rushlau, 2002, p. 32.  
 Pennsylvanian, Moscovian (C<sub>2</sub>m). Russia, Moscow Basin

*Aesiocrinus konincki* (Clarke in de Koninck, 1877) = *Meganotocrinus konincki*

*Aesiocrinus luxuris* Strimple, 1949 = *Moundocrinus luxuris*

*Aesiocrinus lykinsi* Butts, E., 1890, p. 10, 81, Unnum. Fig. Miller, S. A., 1892a, p. 673.  
 Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 283.  
*Phialocrinus lykinsi* (Butts, E., 1890). Weller, S., 1898c, p. 420.  
 Pennsylvanian, Missourian, Lane Shale. United States, Missouri

\**Aesiocrinus magnificus* Miller and Gurley, 1890a, p. 15, Pl. 2, figs. 1-5. Miller and  
 Gurley, 1891, p. 337, Pl. 2, figs. 1-5. Miller, S. A., 1892a, p. 673, Fig. 1206.  
 Weller, S., 1898c, p. 421. Bassler, 1938, p. 34. Bassler and Moodey, 1943, p.  
 284. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 4. Moore and Laudon, 1944,  
 p.  
 167, Pls. 56, fig. 32; 62, fig. 32. Strimple and Moore, 1971b, p. 6, Fig. 7, no. 5.  
 Webster, 1973, p. 40. Lane and Macurda, 1975, p. 59, Fig. 1. Lane, N. G., 1975,  
 p. 640, Pl. 1, figs. 1-11; Fig. 1. Webster, 1977, p. 30. Moore and Strimple in  
 Moore and Teichert, 1978, p. T739, Fig. 488, nos. 2a-2b. Webster, 1986, p. 46.  
 Pabian and Rushlau, 2002, p. 32.  
*Phialocrinus magnificus* (Miller and Gurley, 1890). Keyes, 1894a, p. 220, Pl. 28,  
 fig. 4. Weller, S., 1898c, p. 421. Bassler and Moodey, 1943, p. 284.  
 Pennsylvanian, Missourian, Francis Shale; Lane Shale. United States, Oklahoma,  
 Missouri

*Aesiocrinus nodosus* (Etheridge, 1892) = *Calceolispongia nodosa*

*Aesiocrinus nodosus* Webster and Lane, 1967 = *Elassocrinus nodosus*

*Aesiocrinus osagensis* (Strimple, 1939) = *Moundocrinus osagensis*

*Aesiocrinus patens* (Trautschold, 1869). Bassler and Moodey, 1943, p. 284. Yakovlev and Ivanov, 1956, p. 28, Pl. 7, figs. 3-5. Arendt and Hecker, 1964, p. 89, Pl. 11, figs. 7-8. Webster, 1973, p. 41. Pabian and Rushlau, 2002, p. 32.

*Phyalocrinus patens* Trautschold, 1869, p. 7.

*Phialocrinus patens* Trautschold, 1879, p. 123. Bassler, 1938, p. 151. Yakovlev, 1939a, p. 67, Pl. 12, fig. 6. Bassler and Moodey, 1943, p. 284. Webster, 1973, p. 41.

Pennsylvanian, Moscovian (C<sub>2</sub>m). Russia, Moscow Basin

*Aesiocrinus paucus* Strimple, 1951 = *Lecobasicrinus paucus* = *Halogetocrinus paucus*

*Aesiocrinus princeps* (Etheridge, 1892) = *Meganotocrinus princeps*

*Aesiocrinus prudentia* Strimple, 1963 = *Halogetocrinus prudentia*

*Aesiocrinus secundus* (Washburn, 1968) = *Proallosocrinus secundus* = *Proallosocrinus anatonus* = *Proallosocrinus secundus*

*Aesiocrinus stephensi* (Etheridge, 1892) = *Calceolispongia stephensi*

*Aesiocrinus tactilis* Strimple, 1951 = *Polusocrinus tactilis*

*Aesiocrinus twinensis* (Strimple, 1939). Bassler and Moodey, 1943, p. 284.

*Pentadelocrinus twinensis* Strimple, 1940b, p. 8 (106), Pl. 1 (9), figs. 7, 9-10.

Bassler and Moodey, 1943, p. 284.

Pennsylvanian, Missourian, Ochelata Group. United States, Oklahoma

*Aesiocrinus typus* (Strimple, 1939). Bassler and Moodey, 1943, p. 284.

*Pentadelocrinus typus* Strimple, 1939a, p. 11 (371), Pl. 1 (9), figs. 7-9. Bassler and Moodey, 1943, p. 284.

Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma

*Aesiocrinus* sp. Schuchert, 1904 = *A. harii*

*Aesiocrinus* spp.

White, E., 1964, Fig. 19. Webster, 1977, p. 30.

Pennsylvanian. United States, Nebraska, Iowa

Ausich, 2009b, Fig. 6.

Late Pennsylvanian. United States, Kansas

Aethocrinid s. l. gen. et sp. nov. Donovan, 1988c, p. 236. Webster, 1993, p. 21.  
Early Ordovician

**AETHOCRINUS** Ubaghs, 1969. \**A. moorei* Ubaghs, 1969.

Sbc. Aethocrinea, O. Aethocrinida, F. Aethocrinidae

Ubaghs, 1969, p. 2. Sprinkle, 1973a, p. 39, Fig. 14. Webster, 1977, p. 30. Moore and Lane *in* Moore and Teichert, 1978, p. 618, Fig. 394, nos. 8-9. Johnson and Paul, 1979, p. 73, Fig. 7. Kelly, 1982, p. 288, Figs. 6, no. 3; 8, nos. 3-4. Webster, 1986, p. 46. Rozhnov, 1988, p. 72, Fig. 2, nos. a- v. Webster, 1988, p. 29. Rozhnov, 1989, p. 66, Fig. 2, nos. a-c. Webster, 1993, p. 21. Ausich, 1997a, p. 295, Figs. 4, nos. 1-3; 7. Ausich, 1998a, p. 506. Ausich, 1998b, p. 34. Ausich, 1998c, p. 129, Fig. 1, Tabs. 1-2. Ausich, 1998b, p. 19. Mooi, 2001, p. 1215, Figs. 3-5 (diagramatic). Rozhnov, 2002, p. S538, Figs. 10-11 (diagramatic).

Guensburg and Sprinkle, 2007, p. 280, Fig. 1, no. B. LeMenn, 2009, p. 469, Fig. 7.25, nos. f-g.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Tremadocian – Floian species  
Ordovician, Tremadocian – Floian (Arenigian). France

\**Aethocrinus moorei* Ubaghs, 1969, p. 2, Pls. 1-3; Figs. 1-9. Phillip and Strimple, 1971, p. 491, Fig. 1. Ubaghs, 1972, p. 773, Fig. 1, nos. a-b. Ubaghs, 1975, p. 91, Fig. 7, no. 8. Webster, 1977, p. 30. Ubaghs *in* Moore and Teichert, 1978, p. T67, T124, T153, Figs. 48, nos. 1-7; 94, no. 1; 124, no. 2; 143, nos. 1-4. Moore and Lane *in* Moore and Teichert, 1978, p. T618, Figs. 401; 402, nos. 1a-1d. Brett, 1981b, p. 355, Fig. 5, no. B. Webster, 1986, p. 47. Donovan, 1988c, p. 238. Webster, 1988, p. 29. Webster, 1993, p. 21. Ausich, 1996a, p. 359, Fig. 5, nos. 1-3. Ausich, 1998a, p. 506, Fig. 1. Ausich et al. *in* Hess et al., 1999 p. 7, Fig. 9. Guensburg and Sprinkle, 2009, p. 361, Fig. 9. Guensburg et al, 2010, 435, Fig. 5, no. C. Guensburg, 2012, p. 456, Fig. 1, no. B.  
Ordovician, Tremadocian – Floian (Arenigian). France  
Ordovician, Tremadocian. United States, Utah

**AETOCRINUS** Ausich and Copper, 2010. \**Aetocrinus gracilis* Ausich and Copper, 2010.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Ausich and Copper, 2010, p. 41.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species  
Silurian, Llandoveryian. Canada, Quebec

\**Aetocrinus gracilis* Ausich and Copper, 2010, p. 41, Pl. 9, figs. 11-12; Figs. 9.3-9.4. Silurian, Llandoveryian, Jupiter Formation, Cybèle Member. Canada, Quebec, Anticosti Island

**AEXITROPHOCRINUS** Strimple and Watkins, 1969. \**Synerocrinus formosus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae

Strimple and Watkins, 1969, p. 229. Strimple and Moore, 1971a, p. 39. Strimple and Moore, 1973b, p. 9. Webster, 1977, p. 31. Moore *in* Moore and Teichert, 1978,

p. T801, Figs. 506, no. 9a; 508, no. 1c; 509, no. 4b. Webster, 1986, p. 46.  
*TALANTEROCRINUS* Moore and Plummer, 1940. \**Trautscholdicrinus jaekeli*  
 (Moore and Plummer, 1940). Moore and Plummer, 1940, p. 96. Bassler and  
 Moodey, 1943, p. 698. Moore and Laudon, 1943b, p. 74, Fig. 10. Moore and  
 Laudon, 1944, p. 181, Pl. 67, fig. 6. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953,  
 p. 755. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 252. Moore *in* Moore  
 and Teichert, 1978, p. T801. Webster, 1986, p. 47.

*SYNEROCRINUS* Bather *in* Lankester, 1900 (*non* Jaekel, 1898), p. 190. Springer,  
 1902, p. 95. Springer *in* Zittel, 1913, p. 205. Springer, 1920a, p. 261. Bassler  
 and Moodey, 1943, p. 698.

*TRAUTSCHOLDICRINUS* Moore and Plummer *in* Moore, 1939c, p. 195 (*non*  
 Yakovlev and Ivanov, 1939). \**T. jaekeli* Moore and Plummer *in* Moore, 1939.  
 Bassler and Moodey, 1943, p. 698. Strimple and Watkins, 1969, p. 225.  
 Webster, 1977, p. 165.

Named, currently recognized species based on cups or crowns: 8 species. 3  
 Mississippian, 2 Viséan, 1 Serpukhovian; 5 Pennsylvanian, 2 Atokan, 1 Atokan -  
 Desmoinesian, 1 Desmoinesian, 1 Virgillian  
 Pennsylvanian, Atokan - Virgillian. United States  
 Mississippian, Viséan. Russia  
 Mississippian, Viséan - Serpukhovian. United Kingdom

*Aexitrophocrinus farshi* (Laudon, 1937). New combination

*Talanterocrinus farishi* (Laudon, 1937). Moore and Plummer, 1940, p. 71. Bassler  
 and Moodey, 1943, p. 698.

*Synerocrinus farishi* Laudon, 1937a, p. 706, Fig. 2. Bassler and Moodey, 1943, p.  
 698. Strimple and Watkins, 1969, p. 224. Strimple, 1975e, p. 3, Fig. 1, no. 3.  
 Webster, 1977, p. 165. Webster, 1986, p. 297.

Pennsylvanian, Atokan, Bostwick Conglomerate; Atoka Formation, Barnett Hill  
 Member. United States, Oklahoma

\**Aexitrophocrinus formosus* (Moore and Plummer, 1940). Strimple and Watkins, 1969,  
 p. 229, Pls. 45, fig. 3; 47, figs. 2-3. Strimple and Moore, 1973b, p. 9, Fig. 7, no.  
 1. Webster, 1977, p. 31. Moore *in* Moore and Teichert, 1978, p. T804, Figs.  
 538, no. 5; 540, nos. 3a-3b. Webster, 1986, p. 47.

*Synerocrinus formosus* Moore and Plummer, 1940, p. 94, Pl. 2, figs. 3-4; Fig. 10.  
 Bassler and Moodey, 1943, p. 697. Moore and Laudon, 1943b, p. 137, Pl. 8, fig.  
 9. Strimple, 1944, p. 179, Pl. 56, fig. 20. Strimple, 1962e, p. 51, Pls. 3, fig. 1; 8,  
 figs. 2-3. Strimple and Watkins, 1969, p. 229. Webster, 1973, p. 251. Webster,  
 1977, p. 31.

Pennsylvanian, Desmoinesian, Oologah Limestone; Millsap Lake Formation,  
 Brannon Bridge Limestone Member; McCoy Formation. United States,  
 Oklahoma, Texas, Colorado

*Aexitrophocrinus jaekeli* (Moore and Plummer, 1940). Ubaghs *in* Moore and Teichert,  
 1978, p. T195, Fig. 165, no. 1. Webster, 1986, p. 47.

*Talanterocrinus jaekeli* Moore and Plummer, 1940, p. 97, Fig. 9. Webster, 1986, p.  
 47.

*Synerocrinus incurvus* Springer, 1920. Delage and Herouard, 1903, p. 388, Fig. 482.

*Synerocrinus incurvus* Wright, 1934, p. 254. Moore and Plummer, 1940, p. 94. Mississippian, Viséan?. United Kingdom, Scotland, Russia

*Aexitrophocrinus lamberti* Strimple and Watkins, 1969, p. 231, Pl. 34, fig. 8. Webster, 1977, p. 31.

Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

*Aexitrophocrinus mcguirei* (Moore, 1939). Strimple and Watkins, 1969, p. 229.

Webster, 1977, p. 31. Moore *in* Moore and Teichert, 1978, p. T804, Fig. 504, nos. 3c-3e. Webster, 1986, p. 47.

*Trautscholdicrinus mcguirei* Moore, 1939c, p. 190, Pl. 5, figs. 2a-2c. Bassler and Moodey, 1943, p. 699. Webster, 1977, p. 31.

*Talanterocrinus mcguirei* (Moore, 1939). Bassler and Moodey, 1943, p. 699. Moore and Laudon, 1944, p. 181, Pl. 56, fig. 30. Strimple and Watkins, 1969, p. 229. Webster, 1973, p. 252. Webster, 1977, p. 31.

Pennsylvanian, Virgilian, Brownville Formation. United States, Oklahoma

*Aexitrophocrinus minuramulosus* Strimple and Miller, 1971, p. 40, Fig. 17, nos. 3-7.

Webster, 1977, p. 31. Webster and Kues, 2006, p. 22, Figs. 8.1-8.2.

Pennsylvanian, Atokan - Desmoinesian boundary, Pinkerton Trail Limestone; Sandia

Formation. United States, Colorado, New Mexico

*Aexitrophocrinus strimplei* (Wright, 1946). New combination

*Talanterocrinus strimplei* Wright, J., 1946a, p. 36, Pl. 3, figs. 8-9, 13, 15-16. Wright, 1954a, p. 156, Pl. 43, figs. 5-7, 14-15. Webster, 1973, p. 252.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Aexitrophocrinus swaledalensis* (Wright, 1954). New combination

*Talanterocrinus swaledalensis* Wright, J., 1954a, p. 157, Pl. 42, fig. 4. Webster, 1973, p. 252.

Mississippian, Serpukhovian (E<sub>1</sub>), red beds above Main Limestone. United Kingdom

*Aexitrophocrinus* sp. Strimple and Watkins, 1969, p. 231, Pl. 54, fig. 7. Webster, 1977, p. 31.

Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

**AFFINOCRINUS** Knapp, 1969. \**A. concavus* Knapp, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 372. Moore and Strimple, 1973, p. 73. Webster, 1977, p. 31.

Moore and Strimple *in* Moore and Teichert, 1978, p. T726. Webster, 1986, p. 47.

Named, currently recognized species based on cups or crowns: 7 Pennsylvanian species, 4 Morrowan, 3 Atokan

Pennsylvanian, Morrowan - Atokan. United States, Missouri, Oklahoma

*Affinocrinus abathus* Knapp, 1969, p. 373, Pl. 62, figs. 1-2, 15-17; Fig. 31. Webster, 1977, p. 31.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

\**Affinocrinus concavus* Knapp, 1969, p. 372, Pl. 62, figs. 9-14, 18-19; Figs. 2, 30 (*non* Fig. 3 as given p. 372). Moore and Strimple *in* Moore and Teichert, 1978, p. T726, Fig. 480, no. 2. Webster, 1986, p. 47.

*Affinocrinus convavus* Knapp, 1969. Webster, 1977, p. 31 (sic).

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Affinocrinus convavus* Knapp, 1969 = *Affinocrinus concavus*

*Affinocrinus grandis* Moore and Strimple, 1973, p. 73, Pl. 22, figs. 2a-c. Webster, 1977, p. 31.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Member. United States, Oklahoma

*Affinocrinus normalis* Moore and Strimple, 1973, p. 74, Pls. 6, figs. 6a-c; 8, figs. 2a-c. Webster, 1977, p. 32.

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

*Affinocrinus orbis* Strimple, 1975e, p. 19, Fig. 12, no. 104. Webster, 1986, p. 47.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Affinocrinus politus* Moore and Strimple, 1973, p. 74, Pl. 23, figs. 5a-d; Fig. 7, nos. 1a-2b. Webster, 1977, p. 32.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Member. United States, Oklahoma

*Affinocrinus progressus* Moore and Strimple, 1973, p. 73, Pls. 8, figs. 1a-1b; 12, figs. 1a-1d, 2a-2d; 23, figs. 1a-1d, 2a-2b. Webster, 1977, p. 32.

Pennsylvanian, Morrowan, Bloyd Formation. United States, Oklahoma

*Affinocrinus* sp. A Strimple, 1975e, p. 19, Fig. 6, nos. 4-6. Webster, 1986, p. 48.

Pennsylvanian, Atokan, unnamed shale about 100 ft above Gene Autry Shale (Morrowan), unnamed shale (Atokan) above Otterville Limestone (Morrowan); non Bostwick Conglomerate; Lake Murray Formation. United States, Oklahoma

*Affinocrinus* sp. B Strimple, 1975e, p. 19, Fig. 6, nos. 1-3. Webster, 1986, p. 48.

Pennsylvanian, Atokan, unnamed shale about 100 ft. above Gene Autry Shale (Morrowan). United States, Oklahoma

**AGARICOCRINITES** Troost, 1849 = **AGARICOCRINUS**

*Agaricocrinites americanus* (Roemer, 1854) = *Agaricocrinus americanus*

*Agaricocrinites brevis* (Hall, 1858) = *Agaricocrinus brevis*

*Agaricocrinites bullatus* (Hall, 1858) = *Agaricocrinus bullatus*

*Agaricocrinites "convexus"* (Hall, 1859) = *Agaricocrinus "convexus"*

*Agaricocrinites excavatus* (Hall, 1861) = *Agaricocrinus excavatus*

*Agaricocrinites planoconvexus* (Hall, 1861) = *Agaricocrinus planoconvexus*

*Agaricocrinites sampsoni* (Miller, 1894) = *Agaricocrinus sampsoni*

*Agaricocrinites splendens* Miller and Gurley, 1890 = *Agaricocrinus splendens*

*Agaricocrinites tuberosus* Troost, 1850 (part) = *Agaricocrinus tuberosus*

*Agaricocrinites tuberosus* Troost, 1850 (part) = *Agaricocrinus arcula* = *A. americanus*

*Agaricocrinites tuberosus* Troost, 1850 (part) = *Agaricocrinus attenuatus* = *A. americanus*

*Agaricocrinites tuberosus* Troost, 1850 (part) = *Agaricocrinus crassus*

*Agaricocrinites tuberosus* Troost, 1850 (part) = *Agaricocrinus ponderosus* = *A. americanus*

*Agaricocrinites wortheni* Hall, 1858 = *Agaricocrinus wortheni*

*Agaricocrinites* sp. = *Agaricocrinus* sp.

**AGARICOCRINUS** Hall, 1858. \**A. tuberosus* Hall, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Coelocrinidae

Hall, 1858c, p. 525, 560. Shumard, 1866, p. 350. Meek and Worthen, 1866a, p. 210. Shumard, 1868, p. 350. Zittel, 1880, p. 344, 371. Wachsmuth and Springer, 1881, p. 109, 228 (283, 402). Miller, S. A., 1889, p. 220. Zittel, 1895, p. 127. Miller and Gurley, 1897, p. 9. Miller, S. A., 1897, p. 732. Wachsmuth and Springer, 1897, p. 486. Bather *in* Lankester, 1900, p. 167. Wachsmuth *in* Zittel, 1900, p. 143. Klem, 1901, p. 167. Wood, E., 1909, p. 57. Springer *in* Zittel, 1913, p. 196. Grabau and Shimer, 1910, p. 533. Bassler, 1938, p. 35. Bassler and Moodey, 1943, p. 284. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 740, Fig. 22, no. d. Lane, N. G., 1963b, p. 927. Webster, 1973, p. 41. Webster, 1977, p. 32. Lane *in* Moore and Teichert, 1978, p. T471. Arendt, 1983d, p. 93. Webster, 1986, p. 48. Webster and Lane, 1987, p. 29. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 29. Webster, 1993, p. 21. Meyer and Ausich, 1997, p. 905. Lee, Ausich, and Kammer, 2005, p. 344, Figs. 1.1-1.4.



*AGARICRONITES* Troost, 1850b, p. 419. Bassler, 1938, p. 35. Bassler and Moodey, 1943, p. 284.

*AGARICOCRINITES* Troost, 1850a, p. 60. Bassler, 1938, p. 35. Bassler and Moodey, 1943, p. 284. Moore and Laudon, 1943b, p. 93, Fig. 16. Moore and Laudon, 1944, p. 195, Pl. 71, fig. 8. Webster, 1973, p. 41.

Named, currently recognized species based on cups or crowns: 34 Mississippian species. 5 Tournaisian, 1 Tournaisian – Viséan, 28 Viséan; (+2 Viséan subspecies)

Mississippian, Tournaisian – Viséan (middle Kinderhookian – Osagean). United States

*Agaricocrinus acugalerus* Webster and Lane, 1987, p. 29, Fig. 8, nos. 6-7, 13-16. Webster, 1993, p. 21.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Agaricocrinus adamsensis* Miller and Gurley, 1896 = *Agaricocrinus hodgsoni*

*Agaricocrinus americanus* (Roemer, 1854). Shumard, 1868, p. 351. Miller, S. A., 1889, p. 220. Keyes, 1894a, p. 168, Pl. 22, figs. 8a-8b. Zittel, 1895, p. 1119, 127, Fig. 231. Wachsmuth and Springer, 1897, p. 488, Pl. 42, figs. 1a, 2a-2b. Weller, 1898c, p. 67. Wachsmuth *in* Zittel, 1900, p. 128, Fig. 231. Wood, E., 1909, p. 58, Pl. 5, fig. 9. Grabau and Shimer, 1910, p. 534. Bassler, 1938, p. 35. Bassler and Moodey, 1943, p. 284. Ehlers and Kesling, 1963, p. 1030. Van Sant *in* Van Sant and Lane, 1964, p. 118, Pl. 8, fig. 1; Fig. 17, no. 3. Webster, 1973, p. 41. Haugh, 1975a, p. 483, Pl. 3, figs. 6-7 (incorrectly given as *Agariocrinites americanus* on plate explanation). Webster, 1977, p. 32. Webster, 1986, p. 48. Ausich and Kammer, 1989, p. 945, Figs. 1-2. Webster, 1993, p. 22. Meyer and Ausich, 1997,

p. 906, Figs. 2, 7-8, 9.1-9.3. Newell, 2005, p. 31, Fig. 3, no. 9 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 486, suppl. p. 3. Meyer and Ausich, 2009, p. 7, Fig. 5, nos. E-G.

*Agaricocrinus (Amphoracrinus) americanus* (Roemer, 1854). Klem 1901, p. 184, Pls. 18-21, Unnum. Fig. p. 168.

*Amphoracrinus americanus* Roemer, C. F. *in* Bronn and Roemer, 1851, p. 250, Pl. 4, figs. 15a-15b. Roemer, C. F. *in* Bronn and Roemer, 1852-1854, p. 250, Pl. 4, figs. 15a-15b. Dujardin and Hupé, 1862, p. 142. Roemer, C. F., 1876, Pl. 40, figs.

3a-3b. Quenstedt, 1885, p. 957, Pl. 77, fig. 7. Miller, S. A., 1889, p. 223. Weller, 1898c, p. 67. Frech, 1902, Pl. 40, figs. 3a-3b. Bassler and Moodey, 1943, p. 284. Meyer and Ausich, 1997, p. 906.

*Agariocrinus americanus* (Roemer, 1854). Wilson, C. W., 1948, p. 166, Pl. 29, figs. 12-13 (sic).

*Agaricocrinites americanus* (Roemer, 1854). Lane, N. G., 1986, p. 155, Figs. 2, 4 (sic).

*Agaricocrinus arculus* Miller and Gurley, 1895. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.

*Agaricocrinus arcula* Miller and Gurley, 1895a, p. 30, Pl. 3, figs. 7-8. Miller, S. A., 1897, p. 732, Fig. 1282. Weller, 1898c, p. 67. Meyer and Ausich, 1997, p. 906.

- Agaricocrinus dissimilis* Miller, S. A., 1891c, p. 665, Pl. 8, fig. 11 (adv. pub.). Miller, S. A., 1892b, p. 665, Pl. 8, fig. 11. Weller, 1898c, p. 67. Bassler and Moodey, 1943, p. 284. Meyer and Ausich, 1997, p. 906.
- Agaricocrinus elegans* Wetherby, 1881d, p. 179, Pl. 5, figs. 4-4b. Miller, S. A., 1889, p. 220, Fig. 237. Wachsmuth and Springer, 1897, 500, Pl. 40, figs. 5a-5b. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41. Meyer and Ausich, 1997, p. 906.
- Agaricocrinus podagricus* Ehlers and Kesling, 1963, p. 1035, Pl. 133, figs. 1-6; Fig. 2. Webster, 1973, p. 42. Meyer and Ausich, 1997, p. 906.
- Agaricocrinus ponderosus* Wood, E., 1909, p. 60, Pl. 14, figs. 1-2. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 42. Meyer and Ausich, 1997, p. 906.
- Agaricocrinus profundus* Miller and Gurley, 1895a, p. 26, Pl. 3, figs. 1-3. Miller, S. A., 1897, p. 732, Figs. 1285-1287. Weller, S., 1898c, p. 71. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 42. Meyer and Ausich, 1997, p. 906.
- Agaricocrinites tuberosus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (part). Bassler and Moodey, 1943, p. 285.
- Agaricocrinus tugurium* Miller and Gurley, 1895a, p. 28, Pl. 3, figs. 4-6. Miller, S. A., 1897, p. 733, Figs. 1289-1291. Weller, S., 1898c, p. 73. Bassler and Moodey, 1943, p. 289. Webster, 1973, p. 42. Meyer and Ausich, 1997, p. 906.
- Agaricocrinus tuguriinus* Miller and Gurley, 1895. Ehlers and Kesling, 1963, p. 1030 (sic).  
Mississippian, Viséan (early-middle Osagean), upperpart of Burlington Limestone; Keokuk Limestone; Edwardsville Formation; Fort Payne Formation. United States, Louisiana, Missouri, Iowa, Illinois, Indiana, Kentucky, Tennessee

*Agaricocrinus americanus tuberosus* Hall, 1858 = *Agaricocrinus tuberosus*

*Agaricocrinus americanus* var. *tuberosus* Hall, 1858 (part) = *Agaricocrinus tuberosus*

*Agaricocrinus* (*Amphoracrinus*) *americanus* (Roemer, 1854) = *Agaricocrinus americanus*

*Agaricocrinus arcula* Miller and Gurley, 1895 = *Agaricocrinus arculus* = *A. americanus*

*Agaricocrinus arculus* Miller and Gurley, 1895 = *Agaricocrinus americanus*

*Agaricocrinus attenuata* Wood, 1909 = *Agaricocrinus crassus*

*Agaricocrinus attenuatus* Wood, E., 1909 = *Agaricocrinus crassus*

*Agaricocrinus bellatrema* Hall, 1861. Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 506, Pl. 41, figs. 4a-4d. Weller, 1898c, p. 71. Bassler and Moodey, 1943, p. 285. Laudon, 1973b, p. 26, Fig. 2.

*Agaricocrinus (Amphoracrinus) bellatrema* Hall, 1861a, p. 281. Hall, 1861c, p. 281. Shumard, 1868, p. 351. Weller, 1898c, p. 71. Bassler and Moodey, 1943, p. 285.

*Agaricocrinus ornatrema* Hall, 1861b, p. 3. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Whitfield, 1893b, p. 24, Pl. 2, figs. 19, 22. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 71. Klem, 1901, p. 183. Bassler and Moodey, 1943, p. 285.

*Amphoracrinus bellatrema* (Hall, 1861). Miller, S. A., 1889, p. 223.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri

*Agaricocrinus (Amphoracrinus) bellatrema* Hall, 1861 = *Agaricocrinus bellatrema*

*Agaricocrinus bellatrema major* Wachsmuth and Springer, 1897, p. 507, Pl. 431, fig. 5. Bassler and Moodey, 1943, p. 285. Webster, 1977, p. 32.

*Agaricocrinus ornatrema* var. *major* Wachsmuth and Springer, 1897. Weller, S., 1898c, p. 71.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri

*Agaricocrinus blairi* Miller, S. A., 1892c, p. 275, Pl. 3, figs. 12-14 (adv. pub.). Miller, S. A., 1894, p. 275, Pl. 3, figs. 12-14. Miller, S. A., 1897, p. 732, Figs. 1283-1284. Weller, S., 1898c, p. 71. Peck and Keyte, 1938, p. 78, Pl. 29, figs. 1-2. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Agaricocrinus brevis* (Hall, 1858). Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 511, Pl. 38, figs. 2a-2e. Weller, S., 1898c, p. 67. Klem, 1901, p. 182. Grabau and Shimer, 1910, p. 534. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1031. Brower, 1970, p. 508, Pl. 67, figs. 1-2. Fig. 83, nos. D-E. Laudon, 1973b, p. 26, Fig. 2. Webster, 1973, p. 41. Webster, 1977, p. 32.

*Actinocrinus brevis* Hall, 1858c, p. 567, Pl. 10, figs. 3a-3b. Hall, 1859a, Pl. 2, fig. 3. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 285.

*Agaricocrinites brevis* (Hall, 1858). Moore and Laudon, 1944, p. 195, Pl. 76, fig. 15. Haugh, 1973a, p. 87, Pl. 3, fig. 1; Fig. 48. Webster, 1973, p. 41. Webster, 1977, p. 32.

*Actinocrinus corniculum* Hall, 1858c, p. 566, Pl. 10, figs. 1a-1c. Hall, 1859a, Pl. 2, fig. 2. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 731. Bassler and Moodey, 1943, p. 285.

*Actinocrinus corniculus* Hall, 1858. Weller, S., 1898c, p. 67 (sic).

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone; Redwall Limestone, Thunder Springs Member and Thunder Springs Member or Mooney Falls Member. United States, Iowa, Missouri, Arizona

- Agaricocrinus bullatus* Hall, 1858c, p. 662, Pl. 9, figs. 11a-11b. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 489, Pl. 41, figs. 2a-2d. Weller, S., 1898c, p. 68. Grabau and Shimer, 1910, p. 534. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1030. McLead, 1973, p. 244, Pl. 1, fig. 6. Webster, 1973, p. 41. Webster, 1977, p. 32.
- Agaricocrinites bullatus* (Hall, 1858). Moore and Laudon, 1942, p. 74, Fig. 4, no. c. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 4. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 14. Webster, 1973, p. 41.
- Agaricocrinus pentagonus* Hall, 1859a, p. 57, Unnum. Fig. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Whitfield, 1893b, p. 25, Pl. 2, figs. 17-18. Keyes, 1894a, p. 167, Pl. 22, fig. 9. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 68. Bassler and Moodey, 1943, p. 285.
- Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone, Warsaw Limestone. United States, Iowa, Arkansas
- Agaricocrinus chouteauensis* Miller, 1892 = *Agaricocrinus sampsoni*
- Agaricocrinus conicus* Wachsmuth and Springer, 1897, p. 501, Pl. 39, figs. 7-8. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 68. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Agaricocrinus convexus* (Hall, 1859). Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 508, Pl. 38, figs. 1a-1b. Weller, S., 1898c, p. 68. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Actinocrinus (Agaricocrinus) pentagonus* var. *convexus* Hall, 1859a, p. 58. Bassler and Moodey, 1943, p. 285.
- Agaricocrinus pentagonus* var. *convexus* Hall, 1872c, Pl. 4, figs. 4-17. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Weller, 1898c, p. 68. Bassler and Moodey, 1943, p. 286.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Agaricocrinus "convexus"* (Hall, 1859). Webster, 1977, p. 32.
- Agaricocrinites "convexus"* (Hall, 1859). Haugh, 1973a, p. 84, Pl. 1, fig. 7; Fig. 6, no. m. Haugh, 1975b, p. 268, Fig. 7, no. C. Webster, 1977, p. 32. Webster, 1986, p. 48.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Agaricocrinus coreyi* (Lyon and Casseday, 1860). Wachsmuth and Springer, 1897, p. 510, Pl. 39, figs. 1a-1b. Weller, S., 1898c, p. 68. Klem, 1901, p. 184. Grabau and Shimer, 1910, p. 535. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41. Meyer and Ausich, 1997, p. 914, Figs. 9.7-9.9.

*Actinocrinus coreyi* Lyon and Casseday, 1860b, p. 76. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 286. Meyer and Ausich, 1997, p. 914.

*Agaricocrinus springeri* White, C. A., 1882, p. 363, Pl. 40, figs. 2-4. Miller, S. A., 1889, p. 221. Lesley, 1889, p. 7, Figs. 2, 4. Weller, S., 1898c, p. 68. Bassler and Moodey, 1943, p. 286. Meyer and Ausich, 1997, p. 914.

Mississippian, Viséan (late Osagean), Keokuk Limestone, Fort Payne Formation. United States, Indiana, Kentucky, Tennessee

*Agaricocrinus corrugatus* Wachsmuth and Springer, 1897 = *Agaricocrinus pyramidatus*

*Agaricocrinus (Amphoracrinus) corrugatus* Wachsmuth and Springer, 1897 =  
*Agaricocrinus pyramidatus*

*Agaricocrinus crassus* Wetherby, 1881d, p. 178, Pl. 5, figs. 1a-1b. Miller, S. A., 1889, p. 220, Fig. 236. Weller, S., 1898c, p. 69. Grabau and Shimer, 1910, p. 535. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1030. Laudon, 1973b, p. 26, Fig. 2. Webster, 1973, p. 41. Webster, 1977, p. 32. Meyer and Ausich, 1997, p. 912, Figs. 9.4-9.5; 10-13. Ausich, 2009a, p. 486, suppl. p. 4.

*Agaricocrinites tuberosus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (part). Bassler and Moodey, 1943, p. 286. Meyer and Ausich, 1997, p. 912.

*Agaricocrinus attenuatus* Wood, E., 1909, p. 61, Pl. 14, figs. 3-4. Bassler and Moodey, 1943, p. 285. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.

*Agaricocrinus attenuata* Wood, E., 1909. Meyer and Ausich, 1997, p. 912. Mississippian, Viséan (late Osagean), Keokuk Limestone, Fort Payne Formation. United States, Iowa, Kentucky, Tennessee

*Agaricocrinus decornis* Rowley and Hare, 1891 = *Agaricocrinus planoconvexus*

*Agaricocrinus? depressus* (Casseday and Lyon, 1862). Wachsmuth and Springer, 1897, p. 407. Bassler and Moodey, 1943, p. 286.

*Alloprosallocrinus depressus* Casseday and Lyon, 1862, p. 31. Shumard, 1868, p. 353. Miller, S. A., 1889, p. 222. Weller, S., 1898c, p. 76. Bassler and Moodey, 1943, p. 286.

Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Kentucky

*Agaricocrinus dissimilis* Miller, 1891 = *Agaricocrinus americanus*

*Agaricocrinus elegans* Wetherby, 1881 = *Agaricocrinus americanus*

*Agaricocrinus eris* (Hall, 1863) = *Aorocrinus helice*

*Agaricocrinus excavatus* Hall, 1861b, p. 3. Miller, S. A., 1889, p. 221. Whitfield, 1893b, p. 26, Pl. 2, figs. 14, 16. Miller, S. A., 1897, p. 732. Wachsmuth and Springer, 1897, p. 491, Pl. 39, figs. 3-5. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1031. Laudon, 1973b, p.

- 26, Fig. 2. Webster, 1973, p. 41. Haugh, 1975a, p. 483, Pl. 1, figs. 8-9 (incorrectly given as *Agariococrinites* on plate explanation). Webster, 1977, p. 33. Webster, 1986, p. 48.
- Agaricocrinus (Amphoracrinus) excavatus* Hall, 1861a, p. 282. Hall, 1861c, p. 282. Shumard, 1868, p. 351. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 286.
- Agaricocrinites excavatus* (Hall, 1861). Priest, 1973, p. 74, Fig. 7. Webster, 1977, p. 33.
- Amphoracrinus excavatus* (Hall, 1861). Miller, S. A., 1889, p. 223. Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Burlington-Keokuk transition beds. United States, Illinois, Iowa
- Agaricocrinus (Amphoracrinus) excavatus* Hall, 1861 = *Agaricocrinus excavatus*
- Agaricocrinus* cf. *A. excavatus* (Hall, 1861). Haugh, 1978, p. 161, Fig. 16, no. C. Webster, 1986, p. 48.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Agaricocrinus fiscellus* (Hall, 1861). Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1897, p. 512, Pl. 38, figs. 3a-3c. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Actinocrinus fiscellus* Hall, 1861a, p. 272. Hall, 1861b, p. 2. Hall, 1861c, p. 272. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 286.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Agaricocrinus geometricus* (Hall, 1859). Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 73. Ehlers and Kelsing, 1963, p. 1031. Webster, 1973, p. 41.
- Actinocrinus (Agaricocrinus) geometricus* Hall, 1859a, p. 56, Unnum. Fig. Bassler and Moodey, 1943, p. 289. Webster, 1973, p. 41.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States
- Agaricocrinus germanus* Miller, 1892 = *Agaricocrinus sampsoni*
- Agaricocrinus gorbyi* Miller, 1891 = *Agaricocrinus splendens*
- Agaricocrinus gracilis* Meek and Worthen, 1861, p. 135. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1897, p. 513, Pl. 41, figs. 3a-3c. Weller, S., 1898c, p. 69. Klem, 1901, p. 183. Bassler and Moodey, 1943, p. 286. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Agaricocrinus helice* Hall, 1864 = *Aorocrinus helice*

- Agaricocrinus hodgsoni* Miller and Gurley, 1896a, p. 23, Pl. 1, figs. 17-20. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 70. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Agaricocrinus adamensis* Miller and Gurley, 1896b, p. 24, Pl. 1, figs. 7-9. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 67. Klem, 1901, p. 183. Bassler and Moodey, 1943, p. 284. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois
- Agaricocrinus illinoisensis* Miller and Gurley, 1896a, p. 25, Pl. 1, figs. 21-23. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 70. Klem, 1901, p. 183. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa
- Agaricocrinus indianensis* Miller, 1891 = *Agaricocrinus splendens*
- Agaricocrinus inflatus* Hall, 1861b, p. 4. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1897, p. 502, Pl. 41, figs. 1a-1d. Weller, S., 1898c, p. 70. Klem, 1901, p. 183. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1030. Ubaghs *in* Moore and Teichert, 1978, p. T170, Fig. 142, no. 2. Webster, 1973, p. 41. Webster, 1986, p. 48. Ausich *in* Hess et al., 1999 p. 141, Fig. 146.
- Agaricocrinus (Amphoracrinus) inflatus* Hall, 1861a, p. 284. Hall, 1861c, p. 284. Weller, S., 1898c, p. 70. Bassler and Moodey, 1943, p. 287.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa, Missouri
- Agaricocrinus inflatus?* Hall, 1861. Lee, Ausich, and Kammer, 2005, p. 345.
- Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky
- Agaricocrinus (Amphoracrinus) inflatus* Hall, 1861 = *Agaricocrinus inflatus*
- Agaricocrinus iowensis* Miller and Gurley, 1897, p. 5, Pl. 1, figs. 1-3. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 70. Bassler and Moodey, 1943, p. 287. Bowsher, 1955a, p. 3, Pl. 2, fig. 6. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.
- Mississippian, Viséan (Osagean), Edwardsville Formation; Keokuk Limestone. United States, Illinois, Iowa, Missouri
- Agaricocrinus jerseyensis* (Worthen, 1890). Bassler and Moodey, 1943, p. 287.
- Amphoracrinus jerseyensis* Worthen *in* Miller, S. A., 1889, p. 223 *nomen nudum*. Worthen, 1890, p. 96, Pl. 14, figs. 8-8a. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 287.

?*Agaricocrinus jerseyensis* (Worthen, 1890). Wachsmuth and Springer, 1897, p. 587. Bassler and Moodey, 1943, p. 287.

Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Illinois

?*Agaricocrinus jerseyensis* (Worthen, 1890) = *Agaricocrinus jerseyensis*

*Agaricocrinus keokukensis* Miller and Gurley, 1897 = *Agaricocrinus nodulosus*

*Agaricocrinus louisianensis* Rowley, R. R., 1900a, p. 74, Pl. 2, figs. 42-44. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Agaricocrinus macadamsi* Worthen in Miller, 1889 = *Agaricocrinus nodulosus macadamsi*

*Agaricocrinus montgomeryensis* Peck and Keyte, 1938, p. 78, Pl. 29, figs. 5-6, 14. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Agaricocrinus nodosus* Meek and Worthen, 1870a, p. 167. Meek and Worthen, 1873, p. 397, Pl. 10, fig. 7. Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1897, p. 489. Weller, S., 1898c, p. 70. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 41.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Agaricocrinus nodulosus* Worthen in Miller, S. A., 1889, p. 221. Worthen, 1890, p. 94, Pl. 13, figs. 1-1a. Wachsmuth and Springer, 1897, p. 497, Pls. 40, fig. 2; 43, figs. 7a-7b. Weller, S., 1898c, p. 70. Grabau and Shimer, 1910, p. 535. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1031. Laudon, 1973b, p. 26, Fig. 2. Webster, 1973, p. 41. Webster, 1977, p. 33.

*Agaricocrinus keokukensis* Miller and Gurley, 1897, p. 7, Pl. 1, figs. 4-6. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 70. Bassler and Moodey, 1943, p. 287. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 41.

Mississippian, Viséan (Osagean), Keokuk Formation; Fort Payne Chert. United States, Iowa, Tennessee, Illinois, Indiana, Missouri

*Agaricocrinus nodulosus macadamsi* Worthen in Miller, 1889. Bassler and Moodey, 1943, p. 287. Van Sant in Van Sant and Lane, 1964, p. 119. Webster, 1973, p. 41.

*Agaricocrinus macadamsi* Worthen in Miller, S. A., 1889, p. 221 (*nomen nudum*). Worthen, 1890, p. 94, Pl. 13, figs. 2-2a. Weller, S., 1898c, p. 71. Bassler and Moodey, 1943, p. 287.



*Agaricocrinus nodulosus* var. *macadamsi* Worthen in Miller, 1889. Wachsmuth and Springer, 1897, p. 498, Pl. 39, fig. 6. Weller, S., 1898c, p. 71. Bassler and Moodey, 1943, p. 287.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois, Iowa, Indiana, Missouri

*Agaricocrinus nodulosus* var. *macadamsi* Worthen in Miller, 1889 = *Agaricocrinus nodulosus macadamsi*

*Agaricocrinus ornatrema* Hall, 1861 = *Agaricocrinus bellatrema*

*Agaricocrinus ornatrema* var. *major* Wachsmuth and Springer, 1897 = *Agaricocrinus bellatrema*

*Agaricocrinus pentagonus* Hall, 1859 = *Agaricocrinus bullatus*

*Agaricocrinus pentagonus* var. *convexus* Hall, 1859 = *Agaricocrinus convexus*

*Agaricocrinus planoconvexus* Hall, 1861b, p. 3. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 221. Keyes, 1894a, p. 167, Pl. 22, figs. 7a-7b. Wachsmuth and Springer, 1897, p. 503, Pl. 38, figs. 6a-6c. Weller, S., 1898c, p. 71. Grabau and Shimer, 1910, p. 534. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1030. Good, 1968, Pl. 1, fig. 3. Laudon, 1973b, p. 30, Figs. 1-2. Webster, 1973, p. 42. Webster, 1977, p. 33. Lee, Ausich, and Kammer, 2005, p. 345. Miller et al., 2008, p. 263, Fig. 12.10, nos. 7-8.

*Agaricocrinus (Amphoracrinus) planoconvexus* Hall, 1861a, p. 280. Hall, 1861c, p. 280. Weller, S., 1898c, p. 71. Bassler and Moodey, 1943, p. 288.

*Agaricocrinites planoconvexus* (Hall, 1861). Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 3. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 13. Laudon, 1948, Pl. 2. Webster, 1973, p. 42.

*Agaricocrinus decornis* Rowley and Hare, 1891b, p. 117, Pl. 3, fig. 10. Weller, S., 1898c, p. 71. Bassler and Moodey, 1943, p. 28.

Mississippian, Tournaisian - Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower and upper parts of Burlington Limestone; Nada Member, Borden Formation. United States, Iowa, Missouri, Kentucky

*Agaricocrinus (Amphoracrinus) planoconvexus* Hall, 1861 = *Agaricocrinus planoconvexus*

*Agaricocrinus "planoconvexus"* Hall, 1861. Haugh, 1975a, p. 483, Pl. 3, fig. 5 (incorrectly given as *Agaricocrinites "planoconvexus"* on plate explanation). Webster, 1986, p. 48

Mississippian. Locality unknown

*Agaricocrinus* sp. cf. *planoconvexus* (Hall, 1861). Brower, 1970, p. 509, Pl. 67, figs. 12-13; Fig. 83, nos. F-G. Webster, 1977, p. 33.

Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member and Thunder Springs Member or Mooney Falls Member. United States, Arizona

*Agaricocrinus podagricus* Ehlers and Kesling, 1963 = *Agaricocrinus americanus*

*Agaricocrinus ponderosus* Wood, 1909 = *Agaricocrinus americanus*

*Agaricocrinus praecursor* Rowley, R. R., 1902b, p. 303, Pl. 18, figs. 1-5. Weller, S., 1909a, p. 283, Pl. 11, figs. 7-12. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 42.

Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Missouri

*Agaricocrinus profundus* Miller and Gurley, 1895 = *Agaricocrinus americanus*

*Agaricocrinus pyramidatus* (Hall, 1858). Miller, S. A., 1889, p. 221. Whitfield, 1893b, p. 23, Pl. 2, figs. 23-25. Wachsmuth and Springer, 1897, p. 512, Pl. 38, figs. 4-5. Weller, S., 1898c, p. 72. Grabau and Shimer, 1910, p. 534. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 42.

*Actinocrinus pyramidatus* Hall, 1858c, p. 565. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 72. Bassler and Moodey, 1943, p. 288.

*Agaricocrinus (Amphoracrinus) corrugatus* Hall, 1861a, p. 283. Hall, 1861c, p. 283. Weller, S., 1898c, p. 72. Bassler and Moodey, 1943, p. 288.

*Agaricocrinus corrugatus* Hall, 1861b, p. 4. Shumard, 1868, p. 351. Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 512. Weller, S., 1898c, p. 72. Bassler and Moodey, 1943, p. 288.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Agaricocrinus sampsoni* Miller, S. A., 1892c, p. 20, Pl. 3, fig. 8. Miller, S. A., 1894, p. 274, Pl. 3, fig. 8. Miller, S. A., 1897, p. 733, Fig. 1288. Wachsmuth and Springer, 1897, p. 505, Pl. 46, fig. 5. Weller, S., 1898c, p. 72. Peck and Keyte, 1938, p. 76, Pl. 29, figs. 3-4, 7, 9. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1030. Webster, 1973, p. 42.

*Agaricocrinites sampsoni* (Miller, 1894). Laudon, 1948, Pl. 2. Webster, 1973, p. 42.

*Agaricocrinus chouteauensis* Miller, S. A., 1892c, p. 43, Pl. 7, figs. 11-13. Miller, S. A., 1894, p. 297, Pl. 7, figs. 11-13. Weller, S., 1898c, p. 68. Klem, 1901, p. 182.

*Agaricocrinus germanus* Miller, S. A., 1892c, p. 42, Pl. 7, figs. 8-10. Miller, S. A., 1894, p. 296, Pl. 7, figs. 8-10. Weller, S., 1898c, p. 69. Bassler and Moodey, 1943, p. 288.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Agaricocrinus splendens* Miller and Gurley, 1890a, p. 18, Pl. 4, figs. 1-2. Miller and Gurley, 1890b, p. 340, Pl. 4, figs. 1-2. Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892, p. 665, Pl. 8, fig. 10. Wachsmuth and Springer, 1897, p. 495, Pl. 40, figs. 1a-1c. Weller, S., 1898c, p. 72. Grabau and Shimer, 1910, p. 535. Bassler and Moodey, 1943, p. 288. Ehlers and Kesling, 1963, p. 1031. Van Sant *in* Van

Sant and Lane, 1964, p. 119, Pl. 8, figs. 2, 4; Figs. 19, no. 3; 20, nos. 2, 6.  
 Webster, 1973, p. 42. Webster, 1977, p. 33. Ausich *in* Hess et al., 1999 p. 147,  
 Figs. 157-158. Baumiller and Gahn, 2004, p. 1454, Fig. 1, no. C.  
*Agaricocrinites splendens* Miller and Gurley, 1890. Haugh, 1973a, p. 87, Pl. 3, fig.  
 5; Fig. 4, no. C. Webster, 1977, p. 33.  
*Agaricocrinus gorbyi* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892, p. 664, Pl.  
 8,  
 fig. 9. Weller, S., 1898c, p. 72. Bassler and Moodey, 1943, p. 288.  
*Agaricocrinus indianensis* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892, p. 663,  
 Pl. 8, fig. 5. Weller, S., 1898c, p. 72. Bassler and Moodey, 1943, p. 288.  
 Mississippian, Viséan (Osagean), Edwardsville Formation; Ramp Creek Formation;  
 Muldraugh Formation. United States, Indiana

*Agaricocrinus springeri* White, 1882 = *Agaricocrinus coreyi*

*Agaricocrinus stellatus* (Hall, 1858). Shumard, 1868, p. 351. Miller, S. A., 1889, p.  
 221. Wachsmuth and Springer, 1897, p. 508, Pl. 38, figs. 7a-7e. Weller, S.,  
 1898c, p. 73. Bassler and Moodey, 1943, p. 289. Ehlers and Kesling, 1963, p.  
 1030. Webster, 1973, p. 42.

*Actinocrinus (Agaricocrinus)? stellatus* Hall, 1858c, p. 564, Fig. 79. Bassler and  
 Moodey, 1943, p. 289. Webster, 1973, p. 42.  
 Mississippian, Viséan (Osagean), Fort Payne Chert; Burlington Limestone.  
 United States, Kentucky

\**Agaricocrinus tuberosus* Hall, 1858c, p. 617, Pl. 16, figs. 2a-2c, Unnum. Fig. Miller, S.  
 A., 1889, p. 221. Grabau and Shimer, 1910, p. 535, Figs. 1862-1863. Bassler  
 and Moodey, 1943, p. 284. Ehlers and Kesling, 1963, p. 1030. Lane *in* Moore  
 and Teichert, 1978, p. T471, Fig. 277, no. 4. Webster, 1973, p. 42. Webster,  
 1986, p. 48. Kendrick, 2007, p. 346, Fig. 9, no. C. Ausich, 2009a, p. 486, suppl.  
 p. 4.

*Agaricocrinites tuberosus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (part).  
 Bassler,  
 1938, p. 35. Bassler and Moodey, 1943, p. 284.

*Agaricocrinus americanus tuberosus* Hall, 1858. Bassler and Moodey, 1943, p.  
 284.

*Agaricocrinus americanus* var. *tuberosus* Hall, 1858. Wachsmuth and Springer,  
 1897, p. 489, Pl. 39, figs. 3-5. Weller, 1898c, p. 67. Bassler and Moodey, 1943,  
 p. 284.

Mississippian, Viséan (Osagean), Fort Payne Chert; Keokuk Limestone. United  
 States, Tennessee, Iowa, Illinois

*Agaricocrinus tuguriinus* Miller and Gurley, 1895 = *Agaricocrinus tugurium* =  
*Agaricocrinus americanus*

*Agaricocrinus tugurium* Miller and Gurley, 1895 = *Agaricocrinus americanus*

*Agaricocrinus whitfieldi* Hall, 1858c, p. 621. Hall, 1859a, Pl. 3, fig. 5. Shumard, 1868, p.

352. Meek and Worthen, 1873, p. 499, Pls. 12, figs. 1a-1b; 15, fig. 8. Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1897, p. 496, Pls. 42, fig. 3; 43, figs. 8a-8b. Weller, S., 1898c, p. 73. Bassler and Moodey, 1943, p. 289. Ehlers and Kesling, 1963, p. 1031. Webster, 1973, p. 42.  
Mississippian, Viséan (Osagean), Keokuk Limestone; Fort Payne Chert. United States, Illinois, Iowa, Kentucky

*Agaricocrinus wortheni* Hall, 1858c, p. 619, Pl. 16, fig. 1. Shumard, 1868, p. 352. Miller, S. A., 1889, p. 221. Wachsmuth and Springer, 1889a, p. 341, Pl. 18, fig. 3. Keyes, 1890a, Pl. 9, fig. 2. Wachsmuth and Springer, 1897, p. 488, Pls. 3, fig. 22; 39, fig. 9. Weller, S., 1898c, p. 73. Klem, 1901, p. 184. Bassler and Moodey, 1943, p. 289. Ubaghs, 1953, p. 740, Fig. 22, no. d. Ehlers and Kesling, 1963, p. 1031. Laudon, 1973b, p. 26, Fig. 2. Webster, 1973, p. 42. Webster, 1977, p. 33.  
*Agaricocrinites wortheni* (Hall, 1958). Moore and Laudon, 1942, p. 74, Fig. 4, nos. A-B. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 2. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 22. Laudon, 1948, Pl. 2. Webster, 1973, p. 42.  
*Amphoracrinus americanus* Quenstedt, 1867 (non Roemer), p. 742, Pl. 71, fig. 20. Bassler and Moodey, 1943, p. 289.  
Mississippian, Viséan (Osagean), Keokuk Limestone; Warsaw Formation; Fort Payne Chert; Spergen Limestone. United States, Illinois, Missouri, Iowa, Alabama, Indiana

*Agaricocrinus* spp.

Brower, 1970, p. 510. Webster, 1977, p. 33.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or Mooney Falls Member. United States, Arizona  
Mironova and Yeltyschewa, 1978, p. 27, Fig. 4, no. v (typographical error as *Agariocrinus* on figure explanation). Webster, 1986, p. 49.  
Mississippian. North America  
Kues, 1982, Unnum. Fig. p. 108, no. G. Webster, 1988, p. 29.  
Mississippian. no locality data  
Kammer, Ausich, and Lane, 1983, p. 55, Fig. 19, no. D. Webster, 1988, p. 29.  
Mississippian, Viséan (Osagean), Borden Group, Carwood Formation. United States, Indiana  
Lane, N. G., 1986, p. 157, Figs. 2, 8 (incorrectly cited as *Agaricocrinites*). Webster, 1988, p. 29. Webster, 1993, p. 22.  
Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana  
Meyer and Ausich, 1992, p. 5, Fig. 5, nos. E-G.  
Mississippian, Viséan (early Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1990, p. 545, Fig. 2, nos. E-G. Webster, 1993, p. 22.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky  
Meyer, Ausich, and Terry, 1990, p. 545, Fig. 2, no. F. Webster, 1993, p. 22.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States,

## Kentucky

Howell, 1995, p. 100, Pl. 6, fig. 7.

No age or locality given

Greb et al., 2008, p. 17, Fig. 4, nos. a-c.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

Stinchcomb, 2008, p. 127, Fig. 07-061.

Mississippian, Viséan (Osagean), Borden Group, Ramp Creek Formation. United States, Indiana, Indian Creek

*Agaricocrinus* community, Lane, N. G., 1973, p. 69, Fig. 22. Webster, 1977, p. 33.

Mississippian, Viséan (Osagean), Borden Group. United States, Indiana

**AGARICRONITES** Troost, 1850 = **AGARICOCRINUS**

*Agariocrinus americanus* (Roemer, 1854) = *Agaricocrinus americanus*

**AGASSIZOCRINITES** Troost, 1850 = **AGASSIZOCRINUS**

*Agassizocrinites dactilyformis* Troost, 1850 = *Agassizocrinus laevis*

*Agassizocrinites dactyliformis* Troost, 1850 = *Agassizocrinus laevis*

*Agassizocrinites gracilis* Troost, 1850 = *Phacelocrinus longidactylus*

**AGASSIZOCRINUS** Owen and Shumard, 1852. \**A. conicus* Owen and Shumard, 1852.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Agassizocrinidae

Owen and Shumard, 1852a, p. 93. Owen and Shumard, 1852b, p. 597. Shumard,

1868, p. 352. Meek, 1874, p. 484. Zittel, 1880, p. 344, 361. Wachsmuth and

Springer, 1886, p. 262 (186). Miller, S. A., 1889, p. 221. Zittel, 1895, p. 137.

Koken, 1896, p. 280. Bather *in* Lankester, 1900, p. 103. Wood, E., 1900, p. 96.

Wachsmuth *in* Zittel, 1900, p. 162. Grabau and Shimer, 1910, p. 514. Springer *in*

Zittel, 1913, p. 224. Wanner, 1924, p. 178. Springer, 1926b, p. 53. Bassler,

1938,

p. 35. Moore and Plummer, 1938, p. 250. Yakovlev, 1939e, p. 832. Yakovlev,

1939f, p. 832. Moore and Plummer, 1940, p. 334. Kirk, 1940b, p. 52. Bassler

and

Moodey, 1943, p. 289. Moore and Laudon, 1943b, p. 62, Fig. 8. Moore and

Laudon, 1944, p. 175. Yakovlev, 1947d, p. 42, Fig. 4. Branson, C. C., 1948, p.

178. Moore, 1950, Fig. 4, no. m. Yakovlev, 1956a, p. 78, Fig. 24. Yakovlov,

1958,

p. 63, Fig. 24. Yakovlov, 1964a, p. 73, Fig. 26. Arendt and Hecker, 1964, p. 91.

Strimple and Watkins, 1969, p. 184. Burdick and Strimple, 1971a, p. 32.

Webster,

1973, p. 42. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 33. Moore,

Lane, and Strimple *in* Moore and Teichert, 1978, p. T682. Ettensohn, 1981, p.

169. Strimple, 1981c, p. 44. Horowitz, 1982, p. 12. Burdick and Strimple, 1983a, p. 102. Etensohn, 1984, p. 66, Fig. 1. Smith, A. B., 1985, p. 171. Webster, 1986, p. 49. Chestnut and Etensohn, 1988, p. 46, Fig. 10. Webster, 1988, p. 30. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 22. Webster and Maples, 2006, p. 192, Fig. 2, no. A. LeMenn, 2009, p. 474, Fig. 7.32, no. d.  
*AGASSIZOCRINITES* Troost, 1850a, p. 60. Troost, p. 420. Bassler, 1938, p. 35. Bassler and Moodey, 1943, p. 289.  
*ASTYLOCRINUS* Roemer, C. F., 1852-1854, p. 229. \**A. laevis* Roemer, 1855. Dujardin and Hupe, 1862, p. 159. Miller, S. A., 1889, p. 226. Bassler, 1938, p. 47. Bassler and Moodey, 1943, p. 289.  
 Named, currently recognized species based on cups or crowns: 14 Mississippian species, 3 Viséan, 3 Viséan – Serpukhovian, 8 Serpukhovia Mississippian, Viséan - Serpukhovian (Chesterian). United States

*Agassizocrinus angustus* Strimple, 1976c, p. 31, Figs. 1, nos. F-G; 2, nos. D-F. Burdick and Strimple, 1983a, p. 108, Fig. 12, no. A. Webster, 1986, p. 49. Websater, 1988, p. 30.  
 Mississippian, Serpukhovian (Chesterian), Hartselle Sandstone; Pennington Formation; Bangor Limestone. United States, Alabama

*Agassizocrinus caliculus* Moore and Plummer, 1938 = *Paragassizocrinus caliculus*

*Agassizocrinus calyculus* Moore and Plummer, 1938 = *Paragassizocrinus caliculus*

*Agassizocrinus carbonarius* Worthen, 1873 = *Paragassizocrinus tarri*

*Agassizocrinus chesterensis* Worthen, 1873 = *Agassizocrinus gibbosus*

\**Agassizocrinus conicus* Owen and Shumard, 1852, p. 93, Pl. 11, fig. 6. Owen, 1852, p. 597, Pl. 5-B, fig. 6. Shumard, 1868, p. 352. Meek and Worthen, 1873, p. 557, Pl. 21, fig. 8. Meek, 1874, p. 484. Miller, S. A., 1889, p. 221. Grabau and Shimer, 1910, p. 514, Fig. 1832. Butts, C., 1917, p. 80, Pl. 21, figs. 27-29. Miller, A. M., 1919, p. 114, Pl. 61, figs. 27-29. Butts, C., 1926, p. 180, Pl. 59, figs. 5-6. Springer, 1926b, p. 53, Pl. 15, figs. 1-4. Bassler, 1938, p. 36. Moore, 1939b, p. 199, Fig. 8, no. 5. Moore and Laudon, 1944, p. 177, Pl. 61, fig. 7. Webster, 1973, p. 42. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T682, Fig. 450, no. 2a. Etensohn, 1980, p. 1000, Fig. 8. Etensohn, 1981, p. 170, Fig. 2. Etensohn and Chestnut, 1985, p. 350, Fig. 10, no. e. Smith, A. B., 1985, p. 171, Pl. 7.4.28. Webster, 1986, p. 49. Chestnut and Etensohn, 1988, p. 46, Pl. 4, figs. 16-19. Webster, 1988, p. Webster, 1993, p. 22.  
 Mississippian, Viséan - Serpukhovian (middle and late Chesterian), Newman Limestone; Okaw Formation; Glen Dean Limestone; Gasper Formation; Pennington Formation. United States, Kentucky

*Agassizocrinus conicus* Morgan, 1924 = *Paragassizocrinus asymmetricus*

- Agassizocrinus* cf. *A. conicus* Owen and Shumard, 1852. Horowitz, 1965, p. 38, Pl. 4, fig. 1-2. Webster, 1973, p. 43. Burdick and Strimple, 1983a, p. 103, Pl. 12, figs. 2-5, 7-8, 10-12, 18. Webster, 1988, p. 30. Webster and Waters, 2005, p. 29, Figs. 2.7-2.8.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Formation; Otter Formation. United States, Kentucky, Alabama, Montana
- Agassizocrinus constrictus* Hall, 1858c, p. 687, Pl. 25, fig. 10; Fig. 115. Shumard, 1868, p. 352. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 290.  
Mississippian, Viséan (Chesterian), Okaw Formation. United States, Illinois
- Agassizocrinus dactyliformis* Shumard, 1854 = *Agassizocrinus laevis*
- Agassizocrinus* cf. *A. dactyliformis* Shumard, 1853. Chestnut and Etensohn, 1988, p. 46, Pl. 4, figs. 14-15. Webster, 1993, p. 22.  
Mississippian, Serpukhovian (early - middle Chesterian), Pennington Formation. United States, Kentucky
- Agassizocrinus dissimilis* Weller, S., 1920, p. 344, Pl. 5, figs. 29-30. Bassler and Moodey, 1943, p. 290. Strimple and Coney, 1982, p. 993, Pl. 1, fig. 6. Strimple, 1982a, p. 1133, Pl. 1. Webster, 1988, p. 30.  
Mississippian, Viséan (Chesterian), Newman Formation; Paint Creek Formation; Fayetteville Formation. United States, Tennessee, Illinois, Oklahoma
- Agassizocrinus gibbosus* Hall, 1858c, p. 686, Pl. 25, fig. 6, Fig. 114. Shumard, 1868, p. 352. Worthen, 1873, p. 558, Pl. 21, fig. 11. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 290. Moore and Laudon, 1944, p. 177, Pl. 61, fig. 5. Webster, 1973, p. 43.  
*Agassizocrinus chesterensis* Worthen, 1873, p. 558, Pl. 21, fig. 9. Weller, S., 1898c, p. 73. Bassler and Moodey, 1943, p. 290.  
Mississippian, Serpukhovian (Chesterian), Okaw Formation. United States, Illinois
- Agassizocrinus gibbosus* Springer, 1926 = *Agassizocrinus occidentalis*
- Agassizocrinus globosus* Worthen in Meek and Worthen, 1873, p. 557, Pl. 21, fig. 12. Zittel, 1880, p. 361, Fig. 249, nos. d-e. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 195. Springer, 1926b, p. 54, Pl. 15, fig. 14. Bassler and Moodey, 1943, p. 290. Moore and Laudon, 1944, p. 177, Pl. 61, fig. 6. Strimple, 1962g, p. 186, Figs. 8-13. Webster, 1973, p. 43. Burdick and Strimple, 1983a, p. 109, Pl. 11, figs. 8-9, 14-15, 17-18. Webster, 1988, p. 30.  
*Cromyocrinus globosus* (Meek and Worthen, 1873). Keyes, 1894a, p. 216. Zittel, 1895, p. 137, Fig. 267. Weller, S., 1898c, p. 195. Bassler and Moodey, 1943, p. 290.  
*Cromyocrinus globulus* Keyes, 1894 (in error). Wachsmuth in Zittel, 1900, p. 161, Fig. 267. Springer, 1913, p. 224, Fig. 326.  
Mississippian, Viséan - Serpukhovian (Chesterian), Okaw Formation; Gasper Formation; Hindsville Limestone; Pride Mountain Formation. United States,

Alabama, Illinois, Kentucky, Oklahoma

*Agassizocrinus gracilis* (Troost, 1850) = *Phacelocrinus longidactylus*

*Agassizocrinus hemisphericus* Worthen, 1882 = *Mantikosocrinus hemisphericus*

*Agassizocrinus inequidactylus* Springer, 1926 = *Anartiocrinus lyoni*

*Agassizocrinus laevis* (Roemer, 1855). Zittel, 1880, p. 328, Fig. 220. Wachsmuth in Zittel, 1900, p. 162, Fig. 268, nos. a-c. Springer, 1926b, p. 53, Pl. 15, figs. 5-7. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 290. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 10. Moore and Laudon, 1944, p. 177, Pl. 61,

fig.

8. Webster, 1973, p. 43. Ubaghs in Moore and Teichert, 1978, p. T94, Fig. 70, no. 9. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T682, Fig. 450, nos. 2b-2f. Ettensohn, 1980, p. 1001, Fig. 8. Ettensohn, 1981, p. 170, Fig. 2. Burdick and Strimple, 1983a, p. 104, Pl. 11, figs. 3, 19-20. Webster, 1986, p. 49. Webster, 1988, p. 30. Ausich, 2009a, p. 486, suppl. p. 5.

*Astylocrinus laevis* Roemer, C. F., 1852-1854, p. 229, Pl. 4, figs. 13a-13d. Pictet, 1857, p. 291, Pl. 99, fig. 8-8a. Dujardin and Hupé, 1862, p. 159. Roemer, C. F., 1876, Pl. 40, figs. 8a-8b. Miller, S. A., 1889, p. 226. Zittel, 1895, p. 137, Fig. 268, nos. b-c. Weller, S., 1898c, p. 74. Frech, 1902, Pl. 40, figs. 8a-8d. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 290.

*Agassizocrinites dactyliformis* Troost, 1850a, p. 62 (typographical error).

*Agassizocrinites dactyliformis* Troost, 1850b, p. 420. Bassler and Moodey, 1943, p. 290.

*Agassizocrinus dactyliformis* (Troost, 1850). Shumard, 1854, p. 173, Pl. 1, fig. 7. Shumard, 1868, p. 352. Meek and Worthen, 1873, p. 21, Figs. 7a-7b. Meek, 1874, p. 484. Zittel, 1880, p. 361, Fig. 249, nos. a-c. Miller, S. A., 1889, p. 221. Zittel, 1895, p. 137, Fig. 268, no. a. Weller, S., 1898c, p. 74. Wood, E., 1909, p. 96, Pl. 12, fig. 1. Kirk, 1911, p. 107, Pl. 10, fig. 5. Grabau and Shimer, 1910, p. 514, Fig. 1831. Bassler and Moodey, 1943, p. 290. Horowitz, 1965, p. 38, Pl. 4, figs. 3-4. Webster, 1973, p. 44. Wolf, 1979, p. 151, Fig. 2, no. d. Webster, 1986, p. 49.

Mississippian, Viséan - Serpukhovian (Chesterian), Okaw Formation; Glen Dean Limestone; Gasper Formation; Newman Limestone; Reelsville Formation, Beech Creek Member. United States, Kentucky, Illinois, Alabama, Arkansas

*Agassizocrinus lobatus* Springer, 1926 = *Agassizocrinus papillatus*

*Agassizocrinus longulus* Strimple, 1976c, p. 33, Figs. 1, nos. A-E; 2, nos. A-C. Burdick and Strimple, 1983a, p. 108, Fig. 12, no. B. Webster, 1986, p. 50. Webster, 1988, p. 30.

Mississippian, Serpukhovian (Chesterian), lower part of Bangor Limestone. United States, Alabama

*Agassizocrinus magnus* Moore and Plummer, 1938 = *Paragassizocrinus magnus*



*Agassizocrinus mcguirei* Strimple, 1939 = *Paragassizocrinus tarri*

*Agassizocrinus occidentalis* (Owen and Shumard, 1852). Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 74. Burdick and Strimple, 1971a, p. 32, Pl. 5, figs. 1-5, 7-9, 11, 13, 15-16, 22, 24, 26-27. Webster, 1977, p. 33. Burdick and Strimple, 1983a, p. 105, Pl. 11, figs. 4, 10-12, 21. Webster, 1988, p. 30.  
*Poteriocrinus occidentalis* Owen and Shumard, 1852, p. 92, Pl. 11, figs. 5, 5b. Owen, 1852, p. 596, Pl. 5-B, figs. 5a-5b. Shumard, 1868, p. 352. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 291.  
*Agassizocrinus? occidentalis* (Owen and Shumard, 1852). Shumard, 1868, p. 352.  
*Agassizocrinus gibbosus* Hall, 1858, Springer, 1926b, p. 53, Pl. 15, figs. 8-9. Burdick and Strimple, 1971a, p. 32. Webster, 1977, p. 34.  
 Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone; Monteagle Limestone. United States, Illinois, Alabama

*Agassizocrinus? occidentalis* (Owen and Shumard, 1852) = *Agassizocrinus occidentalis*

*Agassizocrinus ovalis* Miller and Gurley, 1896b, p. 36, Pl. 2, figs. 13-14. Miller, S. A., 1897, p. 732, Fig. 1292. Weller, S., 1898c, p. 74. Springer, 1926b, p. 54, Pl. 15, figs. 15-17. Bassler and Moodey, 1943, p. 291. Moore and Laudon, 1944, p. 177, Pl. 61, fig. 9. Webster, 1973, p. 43.  
 Mississippian, Viséan - Serpukhovian (Chesterian), Paint Creek Formation; Gasper Formation; Okaw Formation. United States, Illinois, Kentucky

*Agassizocrinus* cf. *A. ovalis* Miller and Gurley, 1896. Butts, C., 1941, p. 251, Pl. 132, figs. 43-44. Butts, C., 1948, p. 47, Pl. 6, figs. 19-20. Webster, 1973, p. 43.  
 Mississippian, Viséan (Chesterian), Gasper Formation. United States, Georgia, Virginia

*Agassizocrinus papillatus* Worthen, 1882, p. 36. Worthen, 1883, p. 315, Pl. 29, fig. 17. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 196. Springer, 1926b, p. 54. Bassler and Moodey, 1943, p. 291. Wright and Strimple, 1945, p. 222. Webster, 1973, p. 178. Burdick and Strimple, 1971a, p. 32, Pl. 5, figs. 6, 14, 17-21, 23, 25. Webster, 1977, p. 34. Webster, 1981, p. 1198. Burdick and Strimple, 1983a, p. 105, Pl. 10, figs. 1-9, 18, 22. Webster, 1988, p. 31  
*Mooreocrinus papillatus* (Worthen, 1882). Wright and Strimple, 1945, p. 222. Webster, 1973, p. 178.  
*Cromyocrinus papillatus* (Worthen, 1882). Weller, S., 1898c, p. 196.  
*Dicromyocrinus? papillatus* (Worthen, 1882). Webster, 1981, p. 1191.  
*Agassizocrinus lobatus* Springer, 1926b, p. 63, Pl. 26, figs. 13-18. Bassler and Moodey, 1943, p. 290. Burdick and Strimple, 1971a, p. 32. Ettensohn, 1975, p. 1047, Pls. 1-3; figs. 3-8. Webster, 1977, p. 34. Ettensohn, 1980, p. 1001, Fig. 8. Ettensohn, 1981, p. 170, Fig. 2. Webster, 1986, p. 49. Webster, 1988, p. 30. Hauser, 1999, p. 51, Fig. 21.  
 Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone; Monteagle Limestone; Newman Limestone, Haney Member. United States, Illinois, Alabama

- Agassizocrinus patulus* Strimple, 1951f, p. 672, Pls. 98, figs. 9-10; 99, fig. 12. Strimple and Brown, 1977, p. 67, Fig. 2. Webster, 1973, p. 43. Webster, 1986, p. 50. Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas, Oklahoma
- Agassizocrinus pentagonus* Worthen, 1973, p. 556, Pl. 21, fig. 10. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 74. Springer, 1926b, p. 57. Bassler and Moodey, 1943, p. 291. Mississippian, Viséan (Chesterian), Paint Creek Formation; Gasper Formation. United States, Illinois, Alabama
- Agassizocrinus? striatiferus* Yakovlev, 1930e, p. 909, Pl. 1, fig. 3; Fig. 1. Bassler and Moodey, 1943, p. 291. Branson, C. C., 1948, p. 178. (Note: not *Agassizocrinus*, GDW) Permian, Wordian, Sosio Beds. Sicily
- Agassizocrinus tarri* Strimple, 1938 = *Paragassizocrinus tarri*
- Agassizocrinus tumidus* (Owen and Shumard, 1852). Shumard, 1868, p. 353. Wachsmuth and Springer, 1886, p. 189 (265). Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 291. *Poteriocrinus tumidus* Owen and Shumard, 1852, p. 90, Pl. 11, fig. 3. Owen, 1852, p. 595, Pl. 5-B, figs. 3a-3b. Shumard, 1868, p. 353. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 74. Bassler and Moodey, 1943, p. 291. Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois
- Agassizocrinus* spp.  
Holzapfel, 1895, p. 301. Devonian, Eifelian. Germany  
Weller, J. M., 1917, p. 262, Pl. 41, figs. 9a-9b. Mississippian, Viséan (Chesterian), Golconda Formation. United States, Kentucky  
Easton, 1942, p. 84, Pl. 2, figs. 10-12. Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas  
Strimple, 1961b, p. 158, Figs. 1-5. Webster, 1973, p. 43. Mississippian, Viséan (Chesterian), Goddard Formation. United States, Oklahoma  
Sahni and Gupta, 1965a, p. 216, Fig. 1. Webster, 1973, p. 43. Mississippian late Viséan, possibly early Serpukhovian, *Syringothyris* Limestone. India, Kashmir  
**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Sahni and Gupta, 1965b, p. 247, Unnum. fig. Webster, 1973, p. 43. (Not an *Agassizocrinus*, GDW.) Silurian, Naubug Limestone. India, Kashmir  
**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Gupta and Webster, 1972, p. 211, Figs. 1-3. Webster, 1977, p. 34.

Mississippian, late Viséan, possibly early Serpukhovian, *Syringothyris*  
Limestone.

India, Anantnag District

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.

**AGATHOCRINUS** Schewtschenko, 1967. \**A. globosus* Schewtschenko, 1967.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
Parahexacrinidae

Schewtschenko, 1967, p. 84. Schewtschenko, 1968b, p. 80. Webster, 1973, p. 43.

Ubaghs *in* Moore and Teichert, 1978, p. T475. Webster, 1986, p. 50. Lane,  
Waters, and Maples, 1997, p. 18. Rozhnov, 2002, p. 589, Fig. 45, nos. i-j  
(diagramatic).

Named, currently recognized species based on cups or crowns: 2 Devonian species,

1 Early Devonian series not given, 1 Famennian

Early Devonian. Kyrgyzstan

Late Devonian. China

\**Agathocrinus globosus* Schewtschenko, 1967, p. 84, Pl. 10, figs. 1-6; Figs. 7-8.

Schewtschenko, 1968b, p. 81, Pl. 10, figs. 1-6, Figs. 7-8. Webster, 1973, p. 43.

Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 280, no. 2. Webster, 1986, p.  
50.

Early Devonian, upper part of Kshtut Beds. Kyrgyzstan, southeast Tien Shan

*Agathocrinus junggarensis* Lane, Waters, and Maples, 1997, p. 18, Figs. 4.9, 4.12-  
4.13, 5.7-5.9.

Devonian, Famennian, Hongguleleng Formation, upper member. China, Xinjiang-  
Uygur Autonomous Region

**AGENERACRINUS** Sutton and Winkler, 1940. (Collective group name)

Moore and Laudon, 1943b, p. 62. Webster, 1973, p. 43.

Mississippian, Serpukhovian (Chesterian)

*Ageneracrinus altacalyx* Sutton and Winkler, 1940 = *Pentaramicrinus altacalyx*

*Ageneracrinus basalis* Sutton and Winkler, 1940 = *Pentaramicrinus basalis*

*Ageneracrinus basalotumidus* Sutton and Winkler, 1940 = *Intermediacrinus*  
*basalotumidus* = *Eupachycrinus basalotumidus*

*Ageneracrinus parvbasalis* Sutton and Winkler, 1940 = *Phanocrinus parvaramus*

*Ageneracrinus parvaradialis* Sutton and Winkler, 1940 = *Linocrinus parvaradialis*

*Ageneracrinus platycalyx* Sutton and Winkler, 1940 = *Intermediacrinus platycalyx* =  
*Eupachycrinus platycalyx*

*Ageneracrinus subtumidus* (Worthen, 1973) = *Intermediacrinus subtumidus* =  
*Eupachycrinus subtumidus*

*Ageneracrinus tumidorugosus* Sutton and Winkler, 1940 = *Exochocrinus tumulosus*

*Ageneracrinus tumulosus* Sutton and Winkler, 1940 = *Exochocrinus tumulosus*

**AGLAOCRINUS** Strimple, 1961. \**Ethelocrinus magnus* Strimple, 1949.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Webster and Lane, 1967, p. 21. Strimple and Moore, 1971a, p. 24. Strimple and  
Moore, 1973b, p. 11. Strimple and Cocke, 1973, p. 150. Pabian and Strimple,  
1974b, p. 9. Webster, 1977, p. 34. Moore and Strimple *in* Moore and Teichert,  
1978, p. T694, Fig. 457. Pabian and Strimple, 1980a, p. 160. Webster, 1981,  
p. 1186, Fig. 1. Pabian and Strimple, 1985, p. 63. Bowsher and Strimple, 1986,  
p.

14. Webster, 1986, p. 50. Webster, 1988, p. 31. Pabian, et al., 1989, p. 300, Fig.  
5, no. 7. Pabian and Strimple, 1993, p. 11. Webster, 1993, p. 22. Pabian and  
Rushlau, 2002, p. 25.

Named, currently recognized species based on cups or crowns: 11 Pennsylvanian  
species. 1 Morrowan, 1 Morrowan-Desmoinesian, 4 Desmoinesian, 2

Missourian,

1 Missourian-Virgillian, 2 Virgillian

Pennsylvanian, Morrowan - Virgilian. United States

*Aglaocrinus compactus* (Moore and Plummer, 1940). Strimple, 1961g, p. 86.

Strimple and Cocke, 1973, p. 151, Pl. 21, figs. 17-19. Webster, 1973, p. 190.

Webster, 1977, p. 34. Moore and Strimple *in* Moore and Teichert, 1978, p. T696,  
Fig. 459, no. 2. Pabian and Strimple, 1980b, p. 17, Pl. 5, fig. 10. Pabian and  
Strimple, 1985, p. 63, Fig. 25, nos. a-f. Webster, 1986, p. 50. Webster, 1988, p.  
31. Pabian and Rushlau, 2002, p. 26, Figs. 7, nos. 8-9, 13-15; 8, nos. 1-3.

Pabian and Strimple, 1993, p. 12, Fig. 5, nos. a-f, j-k.

*Parulocrinus compactus* Moore and Plummer, 1940. Moore and Laudon, 1943b, p.  
135, Pl. 6, figs. 11-12. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 36. Strimple,  
1966a, p. 5. Webster, 1973, p. 190.

*Paracromyocrinus compactus* (Moore and Plummer, 1940). Strimple, 1966a, p. 5.  
Webster, 1973, p. 190.

Pennsylvanian, Missourian - Virgillian, Brad Formation, Lecompton Formation, Beil  
Limestone Member; Deer Creek Formation, Ervine Creek Limestone Member;  
Winterset Limestone; Kanwaka Formation, Stull Shale Member; Iola Limestone;  
South Bend Limestone; Ochelata Formation; Oread Formation, Plattsmouth  
Limestone Member. United States, Texas, Nebraska, Iowa, Kansas

*Aglaocrinus cranei* Strimple, 1971 = *Aaglaocrinus cranei*

*Aglaocrinus cranei* Strimple, 1971. Pabian and Rushlau, 2002, p. 26.

Pennsylvanian, Virgillian, Vinland Shale, Coal Creek Formation. United States,  
Kansas

*Aglaocrinus expansus* (Strimple, 1938) = *Aaglaocrinus expansus*

*Aglaocrinus iatani* (Strimple, 1949), Strimple, 1961 = *Parethelocrinus iatani* =  
*Synarmocrinus iatani*

*Aglaocrinus keytei* Strimple and Moore, 1973 = *Aaglaocrinus keytei*

*Aglaocrinus konecnyorum* Webster, 1981, p. 1187, Pl. 2, figs. 1-12. Webster, 1988, p. 31. Pabian and Rushlau, 2002, p. 26. Webster and Elliott, 2004, p. 80, Figs. 3.1-3.9.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

\**Aglaocrinus magnus* (Strimple, 1949). Strimple, 1961g, p. 87, Pls. 6, fig. 4; 8, figs. 1-3; Fig. 19. Strimple and Watkins, 1969, p. 172, Pl. 32, figs. 3-5. Webster, 1977, p. 35. Moore and Strimple *in* Moore and Teichert, 1978, p. T694, Fig. 458, no. 3. Webster, 1981, p. 1187. Webster, 1986, p. 50. Webster, 1988, p. 31. Webster and Houck, 1998, p. 1062, Figs. 4.27-4.28. Pabian and Rushlau, 2002, p. 26. Itano et al., 2003, p. 92, Fig. 7, nos. 1-3.

*Ethelocrinus magnus* Strimple, 1949d, p. 12, Pl. 2, figs. 1, 3-4, 6. Webster, 1973, p. 196.

*Parethelocrinus magnus* (Strimple, 1949). Webster, 1973, p. 196.

*Ethelocrinus peridous* Strimple, 1949d, p. 13, Pl. 2, figs. 11, 13-14, 16. Strimple, 1961g, p. 87. Webster, 1973, p. 196.

Pennsylvanian, Morrowan - Desmoinesian, Soldiers Hole Member; Holdenville Shale; Pumpkin Creek Limestone; Otterville Limestone; Minturn Formation. United States, Texas, Oklahoma, Colorado

*Aglaocrinus marquisi* (Moore and Plummer, 1940). Pabian and Rushlau, 2002, p. 26. *Parulocrinus marquisi* Moore and Plummer, 1940. Strimple, 1966a, p. 5. Webster, 1973, p. 190. Finsley, 1989, p. 97, Fig. 327.

*Paracromyocrinus marquisi* (Moore and Plummer, 1940). Strimple, 1966a, p. 5. Strimple, 1969, p. 33, Figs. 1-2. Webster, 1973, p. 190. Webster, 1977, p. 122. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 460, no. 1d. Webster, 1986, p. 228.

Pennsylvanian, Missourian, Sam Creek Member; Canyon Group. United States, Oklahoma, Texas

*Aglaocrinus* aff. *marquisi* (Moore and Plummer, 1940). Bowsher and Strimple, 1986, p. 15, Fig. 59. Webster, 1993, p. 22.

Pennsylvanian, Desmoinesian?, Gobbler Formation. United States, New Mexico

*Aglaocrinus millsapensis* (Moore and Plummer, 1940). Pabian and Rushlau, 2002, p. 26.

*Ethelocrinus millsapensis* Moore and Plummer, 1940, p. 383, Pl. 21, fig. 6. Bassler and Moodey, 1943, p. 461. Strimple, 1961g, p. 82. Webster, 1973, p. 196.

- Parethlocrinus millsapensis* (Moore and Plummer, 1940). Strimple, 1961g, p. 82.  
Webster, 1973, p. 196.  
Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas
- Aglaocrinus nacoensis* Webster, 1981, p. 1189, Pl. 2, figs. 23-25. Webster, 1988, p. 31.  
Pabian and Rushlau, 2002, p. 26.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona
- Aglaocrinus oklahomensis* (Moore and Plummer, 1938). Strimple, 1982b, p. 200, Fig. 1. Webster, 1988, p. 31.
- Ethelocrinus oklahomensis* Moore and Plummer, 1938, p. 256, Pls. 13, figs. 1a-1e; 15, figs. 3a-3h: Fig. 14. Strimple, 1940a, p. 94, Pl. 8, figs. 1-3. Moore and Plummer, 1940, p. 382 (given as *Parulocrinus oklahomensis* p. 364). Bassler and Moodey, 1943, p. 461. Moore and Laudon, 1944, p. 175. Strimple, 1966a, p. 5. Webster, 1973, p. 190. Webster, 1981, p. 1198. Strimple, 1982b, p. 200. Webster, 1988, p. 31.
- Paracromyocrinus oklahomensis* (Moore and Plummer, 1938). Strimple, 1966a, p. 5. Moore and Strimple, 1973, p. 59, Pls. 10, figs. 2-4; 11, figs. 2a-2c; 14, fig. 2. Webster, 1973, p. 190. Webster, 1977, p. 122.
- Metacromyocrinus oklahomensis* (Moore and Plummer, 1938). Strimple and Knapp, 1966, p. 311, Pl. 36, figs. 21-22. Webster, 1973, p. 190.
- Synarmocrinus oklahomensis* (Moore and Plummer, 1938). Webster, 1981, p. 1198. Strimple, 1982b, p. 200. Webster, 1988, p. 31.  
Pennsylvanian, Morrowan, Marble Falls Formation; Kendrick Shale; Wapanucka Formation, Brentwood Limestone Member; Sausbee Formation. United States, Texas, Kentucky, Oklahoma, Arkansas
- Aglaocrinus pustulosus* (Moore and Plummer, 1940) = *Paracromyocrinus pustulosus*
- Aglaocrinus? rectilatus* Lane and Webster, 1966 = *Parulocrinus rectilatus*
- Aglaocrinus supplantus* Pabian and Strimple, 1974 = *Aaglaocrinus supplantus*
- Aglaocrinus sutherlandi* Strimple, 1980b, p. 8, Pl. 2, figs. 8-10. Webster, 1986, p. 50.  
Pabian and Rushlau, 2002, p. 26.  
Pennsylvanian, Desmoinesian, Alamosa Formation. United States, New Mexico
- Aglaocrinus tuberculatus* (Meek and Worthen, 1866). Webster, 1981, p. 1198. Webster, 1988, p. 31. Pabian and Rushlau, 2002, p. 26.
- Erisocrinus tuberculatus* Meek and Worthen, 1866a, p. 319. Webster, 1981, p. 1198. Webster, 1988, p. 31. (disarticulated cup plates)  
Pennsylvanian, Missourian. United States, Illinois
- Aglaocrinus verrucosus* (White and St. John, 1868). Webster, 1981, p. 1198. Webster, 1988, p. 31. Pabian and Rushlau, 2002, p. 26.
- Hydreionocrinus ?verrucosus* White and St. John, 1868, p. 117, Fig. 1. Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 593. Webster, 1981, p. 1198. Webster, 1988, p. 31. . Adrian, 2009, p. 25, Fig. 1.

*Parulocrinus verrucosus* (White and St. John, 1868). Moore and Plummer, 1940, p. 356. Bassler and Moodey, 1943, p. 594.

*Eupachyocrinus verrucosus* (White and St. John, 1868). Keyes, 1894a, p. 217, Pl. 27, fig. 2. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 266. Girty, 1915b, p. 32, Pl. 3, fig. 12. Bassler and Moodey, 1943, p. 593.

Pennsylvanian, Virgilian. United States, Iowa, Missouri, Nebraska

*Aglaocrinus* sp. Webster and Elliott, 2004, p. 80, Fig. 3.10.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

**AGNOSTOCRINUS** Webster and Lane, 1967. \**A. typus* Webster and Lane, 1967.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Webster and Lane, 1967, p. 15. Strimple, 1971e, p. 31. Webster, 1973, p. 43.

Webster, 1977, p. 35. Moore and Strimple *in* Moore and Teichert, 1978, p. T744.

Webster, 1986, p. 50.

Named, currently recognized species based on cups or crowns: 2 Permian species, 1 Wolfcampian, 1 Wordian

Permian, middle Wolfcampian - Wordian. United States, Nevada, Texas

*Agnostocrinus ornatus* Strimple, 1971e, p. 31, Fig. 13, nos. 1-14. Webster, 1977, p. 35.

Permian, Wordian, Word Formation. United States, Texas

\**Agnostocrinus typus* Webster and Lane, 1967, p. 16, Pl. 3, figs. 1-2. Strimple, 1971e, p. 31. Webster, 1973, p. 43. Webster, 1977, p. 35. Moore and Strimple *in* Moore and Teichert, 1978, p. T542. Webster, 1986, p. 50.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

**AGOSTOCRINUS** Kesling and Paul, 1971. \**A. xenus* Kesling and Paul, 1971.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Agostocrinidae

Kesling and Paul, 1971, p. 222. Webster, 1977, p. 35. Ubaghs *in* Moore and

Teichert, 1978, p. T104, Fig. 79, nos. 6-7. Moore and Strimple *in* Moore and

Teichert, 1978, p. T542. Webster, 1986, p. 50. Rozhnov, 1988, p. 68. Webster,

1988, p. 32. Rozhnov, 1989, p. 62. Webster, 1993, p. 22. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian. United States, Virginia

\**Agostocrinus xenus* Kesling and Paul, 1971, p. 222, Pls. 1, figs. 1-8; 2, figs. 1-7; 3, fig. 9; Figs. 1-2. Webster, 1977, p. 35. Ubaghs *in* Moore and Teichert, 1978, p. T113, Fig. 84, no. 8. Moore and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 338, no. 1. Rozhnov, 1981, p. 28, Fig. 8, no. g. Webster, 1986, p. 50. Webster, 1988, p. 32.

Ordovician, Sandbian, Ottosee Group, Benbolt Formation. United States, Virginia

*Agostocrinus / Acolocrinus* Rozhnov, 2002, p. 588, Fig. 45, nos. k-l. (diagramatic)

*Agraocrinus* sp. Koenigswald, 1931, p. 357, Fig. 17. (Possibly a misspelling of *Agriocrinus*, GDW)

Early Devonian, Emsian?, Bundenbacher Schiefers. Germany

**AGRIOCRINUS** Jaekel, 1895 = **HAPALOCRINUS**

*Agriocrinus frechi* Jaekel, 1895 = *Hapalocrinus frechi*

*Agriocrinus frechi* Opitz, 1932 = *Imitatocrinus gracilior*

*Agriocrinus gracilior* Jaekel, 1895 = \**Imitatocrinus gracilior*

*Agriocrinus inermis* Jaekel, 1898 = *Thallocrinus inermis*

*Agriocrinus inermis* Klahn, 1926 = *Thallocrinus procerus*

*Agriocrinus inermis* Opitz, 1932 (*non* Klahn, 1926) = *Thallocrinus hauchecornei*

**AIDEMOCRINUS** Weller, 1930 = **KALLIMORPHOCRINUS**

*Aidemocrinus odiosus* Weller, 1930 = *Kallimorphocrinus odiosus*

*Aidemocrinus ornatus* (Wanner, 1929) = *Kallimorphocrinus ornatus* = *Metallagecrinus ornatus*

**AINACRINUS** Wright, 1939. \**Synerocrinus? smithi* Wright, 1934.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae

Wright, J., 1939, p. 56. Bassler and Moodey, 1943, p. 291. Moore and Laudon, 1943b, p. 74. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 94. Strimple and Watkins, 1969, p. 225. Strimple and Moore, 1971, p. 39. Webster, 1973, p. 45. Webster, 1977, p. 35. Moore *in* Moore and Teichert, 1978, p. T809, Figs. 506,

no. 9d; 508, no. 1d. Webster, 1986, p. 51. Lane and Sevastopulo, 1990, p. 334.

**AINOCRINUS** Webster, 1993, p. 22 (sic).

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Ainacrinus smithi* (Wright, 1934). Wright, J., 1939, p. 56, Pl. 11, figs. 9-11, 16-17; Figs. 75-77. Bassler and Moodey, 1943, p. 291. Wright, J., 1954a, p. 151, Pl. 41, figs. 2, 4, 7, 9. Figs. 82-84. Webster, 1973, p. 45. Moore *in* Moore and Teichert, 1978, p. T809, Figs. 541, no. 2; 543, no. 1. Webster, 1986, p. 51.

*Synerocrinus? smithi* Wright, J., 1934, p. 253, Pl. 13, figs. 8, 14; Figs. 25-26.

Bassler and Moodey, 1943, p. 291.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland



*Ainacrinus* sp. Webster, 1997, p. 36, Pl. 2, fig. 3.

Mississippian, middle Tournaisian, uppermost part of Chinese Wall Member,  
Henderson Canyon Formation. United States, Utah

**AINOCRINUS** Webster, 1993 = **AINACRINUS**

**AISHACRINUS** Prokop, 2010. \**Aishacrinus carus* Prokop, 2010.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrida, Spf. Dimerocrinitoidea,  
F. Aishacrinidae

Prokop, 2010, p. 42.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian  
species

Silurian, Ludlovian. Czech Republic, Barrandian area

\**Aishacrinus carus* Prokop, 2010, p. 42, Figs. 1-11.

Silurian, Ludlovian, Kopanina Formation, *Cromus beaumonti* Biozone. Czech  
Republic, Barrandian area

**AITHRIOCRINUS** Donovan and Veltkamp, 1993. \**A. strahani* Donovan and  
Veltkamp, 1993.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Insertae familiae  
Donovan and Veltkamp, 1993, p. 606.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
species

Ordovician, Katian (late Ashgillian). United Kingdom, Wales

\**Aithriocrinus strahani* Donovan and Veltkamp, 1993, p. 607, Figs. 3.1-3.2, 4, 10.2.  
Donovan, 1994, p. 73, Fig. 1.

*Heterocrinus?* Strahan *et al.*, 1909. Ramsbottom 1961, p. 10. Webster, 1973, p.  
148. Donovan and Veltkamp, 1993, p. 607.

Heterocrinids? Donovan, 1986. Donovan and Veltkamp, 1993, p. 607.

Undetermined Heterocrinid 2 Ramsbottom, 1961, p. 10, Pl. 3, fig. 8. Webster, 1973,  
p. 148.

Cincinnatiocrinitoidean? Donovan, 1898. Donovan and Veltkamp, 1993, p. 607.  
Ordovician, Katian (late Ashgillian), Slade Stage. United Kingdom, Wales

**AKIYOSHICRINUS** Hashimoto, 1995. \**A. isensis* Hashimoto, 1995.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
Erisocrinidae

Hashimoto, 1995, p. 4.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Atokan species

Pennsylvanian, late Atokan. Japan

\**Akiyoshicrinus isensis* Hashimoto, 1995, p. 5, Pls. 1-4; Figs. 2-3.

Pennsylvanian, late Atokan, Akiyoshi Limestone Group. Japan

**ALCIMOCRINUS** Kirk, 1938. \**Zeacrinus girtyi* Springer, 1926.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinitidae

Kirk, 1938, p. 162. Bassler, 1938, p. 36. Bassler and Moodey, 1943, p. 291. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 167. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 45. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748. Burdick and Strimple, 1983a, p. 160. Webster, 1986, p. 51. Webster, 1988, p. 32. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 22.

Named, currently recognized species based on cups or crowns: 2 species. 1

Mississippian, Serpukhovian; 1 Pennsylvanian, Morrowan-Atokan

Mississippian - Pennsylvanian, Chesterian - Atokan. United States, Oklahoma, Alabama

\**Alcimocrinus girtyi* (Springer, 1926). Kirk, 1938, p. 163. Bassler and Moodey, 1943, p. 291. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 10. Moore and Laudon, 1944, p. 167, Pl. 61, fig. 15. Moore, 1962b, p. 24, Fig. 4. Webster, 1973, p. 45. Strimple, 1975e, p. 26, Fig. 16, nos. 1-2. Moore, Lane, and Strimple *in* Moore and

Teichert, 1978, p. T748, Fig. 495, no. 3. Webster, 1986, p. 52.

*Zeacrinus girtyi* Springer, 1926b, p. 83, Pl. 23, figs. 9-9a; Fig. 3. Bassler, 1938, p. 36. Moore and Plummer, 1938, p. 268, Fig. 19. Bassler and Moodey, 1943, p. 291.

Pennsylvanian, Morrowan - Atokan, Morrow Formation, Barnett Hill Member; Atoka Formation. United States, Oklahoma

*Alcimocrinus? medianensis* Webster et al., 2011, p. 44, Fig. 14, nos. y-z.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Alcimocrinus ornatus* Strimple, 1949d, p. 28, Pl. 5, fig. 1-7. Webster, 1973, p. 45.

Burdick and Strimple, 1983a, p. 161, Pl. 16, figs. 2, 4, 13. Webster, 1988, p. 32.

Mississippian, Serpukhovian (Chesterian), Fayetteville Formation; Bangor Limestone: United States, Oklahoma, Alabama

**ALISOCRINUS** Kirk, 1929. \**Mariacrinus warreni* Ringueberg, 1888.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F. Melocrinitidae

Kirk, 1929d, p. 343. Bassler, 1938, p. 36. Bassler and Moodey, 1943, p. 292. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 199. Ubaghs, 1953, p. 741, Fig. 82, no. a. Spreng and Parks, 1953, p. 587, Fig. 2, no. b. Ubaghs, 1958b, p. 294, Fig. 16. Brower, 1973, p. 407. Webster, 1973, p. 45. Webster, 1977, p. 35. Brower, 1978, p. 42, Figs. 1-2, 4. Ubaghs *in* Moore and Teichert, 1978, p. T144, T492, Fig. 117, no. 1. Cowen, 1981, p. 334, Fig. 1. Webster, 1986, p. 52. Webster, 1988, p. 32.

Named, currently recognized species based on cups or crowns: 7 species. 2

Ordovician, Hirnantian; 5 Silurian, 1 Ludlovian, 4 Niagaran

Ordovician, Hirnantian (Cincinnatian): Middle Silurian, Niagaran. North America

- Alisocrinus aureatus* (Miller, 1891). Kirk, 1929d, p. 345. Bassler and Moodey, 1943, p. 292.  
*Mariacrinus aureatus* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 680. Miller, S. A., 1892b, p. 644, Pl. 6, fig. 36. Bassler, 1915, p. 785. Springer, 1926a, p. 29, Pl. 5, figs. 11-11a. Bassler and Moodey, 1943, p. 292.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Alisocrinus carleyi* (Hall, 1877). Kirk, 1929d, p. 344. Bassler and Moodey, 1943, p. 292. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 5. Webster, 1973, p. 45. Webster, 1977, p. 35. Kahrs, 1995, p. 50, Unnum. Fig.  
*Glyptocrinus carleyi* Hall, 1863b, p. 9. Hall, 1864c, p. 203. Shumard, 1868, p. 372. Bigsby, 1868, p. 20. Hall, 1877, p. 132, Pl. 14, figs. 7-10. Hall, 1879a, p. 132, Pl. 14, figs. 7-10. Hall, 1882b, p. 261, Pls. 13, figs. 7-10; 15, fig. 5. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 785. Bassler and Moodey, 1943, p. 292. Kahrs, 1995, p. 53, Unnum. Fig.  
*Mariacrinus carleyi* (Hall, 1877). Miller, S. A., 1889, p. 260, Fig. 358. Wachsmuth and Springer, 1897, p. 282, Pl. 22, figs. 2a-2c. Bassler, 1915, p. 785. Bassler and Moodey, 1943, p. 292. Wilson, C. W., 1948, p. 158, Pl. 25, figs. 13-14. Wilson, C. W. 1949, p. 251, Pl. 25, figs. 13-14. Webster, 1973, p. 45. Webster, 1977, p. 35.  
 Silurian, Niagaran, Laurel Limestone; Waldron Shale. United States, Indiana, Tennessee
- Alisocrinus? heterodactylus* Brower, 1973, p. 437, Pl. 68, figs. 2, 4; Figs. 37-38. Webster, 1977, p. 35.  
 Ordovician, Hirnantian, Girardeau Limestone. United States, Missouri, Illinois
- Alisocrinus laevis* Kirk, 1929d, p. 344. Bassler and Moodey, 1943, p. 292. Moore and Laudon, 1944, p. 199, Pl. 74, fig. 2. Webster, 1973, p. 45.  
*Mariacrinus carleyi* Springer, 1926a, p. 29, Pl. 5, figs. 9-10. Bassler and Moodey, 1943, p. 292.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Alisocrinus lineatus* Jell, 1999a, p. 36, Fig. 26, nos. A-C.  
 Silurian, late Ludlovian, Humevale Formation, Clonbinane Sandstone Member.  
 Australia, Victoria
- Alisocrinus tetrarmatus* Brower, 1973, p. 408, Pls. 66, 67, 68, fig. 3; Figs. 29-30, 33i, 36. Brower, 1974b, p. 15, Fig. 10, nos. 1-6. Webster, 1977, p. 35. Brower, 1978, p. 45, Fig. 3. Brower *in* Moore and Teichert, 1978, p. T252, Fig. 199, nos. 1-6. Webster, 1986, p. 52.  
 Ordovician, Hirnantian, Girardeau Limestone. United States, Missouri, Illinois
- \**Alisocrinus warreni* (Ringueberg, 1888). Kirk, 1929d, p. 343. Bassler and Moodey, 1943, p. 292. Ubaghs, 1953, p. 741, Fig. 82, no. a. Webster, 1973, p. 45. Brower, 1978, p. 45, Fig. 3. Ubaghs *in* Moore and Teichert, 1978, p. T492, Figs. 295, no. 2. Brett, 1981b, p. 361, Fig. 7, no. A. Webster, 1986, p. 52. Webster,

- 1988, p. 32.  
*Mariacrinus warreni* Ringueberg, 1888, p. 133, Pl. 7, fig. 4. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 283, Pl. 22, fig. 1. Bassler, 1915, p. 786. Ehrenberg, 1922c, p. 274, Fig. 2. Bassler, 1938, p. 37. Bassler and Moodey, 1943, p. 292.  
 Silurian, Niagaran, Rochester Shale. United States, New York
- Alisocrinus* sp. Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
 Silurian
- Allagecrinid Genus B gen. nov. Sevastopulo, 2008, p. 63, Fig. 3.6, nos. 1-3.  
 Mississippian, Waulsortian Limestone. Ireland, County Longford
- Allagecrinid sp. Ausich and Lane, 1982b, p. 1344, Pl. 2, fig. 23. Webster, 1988, p. 32.  
 Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Allagecrinidae gen. et sp. nov. Hill and Woods, 1964, p. 24, Pl. P12, fig. 20. Webster, 1973, p. 271 (theca).  
 Permian, Artinskian, Oxtrack Formation. Australia, Queensland
- Allagecrinid indeterminate 1 Webster et al., 2011, p. 30, Fig. 11, nos. a-d.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Allagecrinid indeterminate 2 Webster et al., 2011, p. 30, Fig. 11, nos. e-h.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Allagecrinid indeterminate 3 Webster et al., 2011, p. 32, Fig. 11, nos. i-k.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Allagecrinid indeterminate 4 Webster et al., 2011, p. 32, Fig. 11, nos. l-o.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Allagecrinid indeterminate 5 Webster et al., 2011, p. 32, Fig. 11, nos. p-t.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- ALLAGECRINUS** Carpenter and Etheridge, 1881. \**A. austinii* Carpenter and Etheridge, 1881.  
 Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae  
 Carpenter and Etheridge, 1881, p. 282. Wachsmuth and Springer, 1886, p. 163 (87). Miller, S. A., 1889, p. 222. Zittel, 1895, p. 125. Bather *in* Lankester, 1900, p. 151. Wachsmuth *in* Zittel, 1900, p. 135. Delage and Herouard, 1903, p. 377. Springer *in* Zittel, 1913, p. 200. Wanner, 1929, p. 3. Wanner, 1930, p. 22.  
 Weller,  
 J. M., 1930a, p. 8. Bassler, 1938, p. 37. Moore, 1940b, p. 63. Bassler and Moodey, 1943, p. 292. Moore and Laudon, 1943b, p. 30. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 4. Branson, C. C., 1948, p. 178. Ubaghs, 1953, p. 747, Figs. 11, no. f; 47-51; 140, no. G. Moore, 1962b, p. 16, Fig. 12, no. 3. Arendt and Hecker, 1964, p. 81. Strimple, 1966c, p. 103. Strimple and Moore, 1971a, p. 38.

Webster, 1973, p. 45. Webster, 1977, p. 35. Moore and Strimple *in* Moore and Teichert, 1978, p. T537, Fig. 334, no. 3. Lane and Sevastopulo, 1982b, p. 256. Lane and Sevastopulo, 1985, p. 438. Webster, 1986, p. 52. Sevastopulo and Lane, 1988, p. 247. Webster, 1988, p. 32. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 23.

*HYBOCHILOCRINUS* Weller, J. M., 1930a, p. 12. \**Allagecrinus americanus* Rowley, R. R., 1895. Bassler, 1938, p. 114. Moore, 1940b, p. 77. Bassler and Moodey, 1943, p. 514. Moore and Laudon, 1943b, p. 30. Moore and Laudon, 1944, p. 147. Ubaghs, 1953, p. 747. Strimple and Koenig, 1956, p. 1227. Arendt and Hecker, 1964, p. 81. Moore and Jeffords, 1968, p. 11, Fig. 3, no. 3. Webster, 1973, p. 151. Moore and Strimple *in* Moore and Teichert, 1978, p. T577. Named, currently recognized species based on cups or crowns: 11 species. 1 Devonian-Mississippian, Famennian-Tournaisian; 7 Mississippian, 2 Tournaisian, 3 Viséan, 2 Serpukhovian; 3 Pennsylvanian, 1 Bashkirian, 1 Atokan, 1 ?Desmoinesian. Late Devonian - Pennsylvanian, Bashkirian-Atokan, ?Desmoinesian. North America Mississippian, Viséan - Serpukhovian. United Kingdom, Scotland

*Allagecrinus acutus* Wanner, 1929 = *Kallimorphocrinus acutus* = *Metallagecrinus acutus*

*Allagecrinus americanus* Rowley, R. R., 1895, p. 219, Figs. 3-10. Miller, S. A., 1897, p. 734. Weller, S., 1898c, p. 75. Rowley, R. R., 1908, p. 67, Pl. 16, figs. 39-41. Peck, 1935, p. 766, Fig. 1. Bassler, 1938, p. 115. Williams, J. A., 1943, p. 64, Pl. 6, figs. 14-15. Bassler and Moodey, 1943, p. 514. Strimple and Koenig, 1956, p. 1228, Figs. 4, 28-31. Strimple, 1966c, p. 103, Fig. 2, no. d. Gutschick, 1968, p. 988, Fig. 6. Webster, 1973, p. 46. Moore and Strimple *in* Moore and Teichert, 1978, p. T538, Fig. 335, nos. 7e-7f. Lane and Sevastopulo, 1985, p. 442, Fig. 3. Webster, 1986, p. 52. Webster, 1988, p. 32.

*Hybochilocrinus americanus* (Rowley, 1895). Weller, J. M., 1930a, p. 12, Pl. 1, figs. 1a-1c; Fig. 1. Bassler and Moodey, 1943, p. 514. Moore and Laudon, 1944, p. 147, Pl. 56, fig. 2. Webster, 1973, p. 151. Devonian - Mississippian, Famennian – Tournaisian, Saverton Shale; Louisiana Limestone. United States, Missouri

\**Allagecrinus austinii* Carpenter and Etheridge, 1881, p. 289, Pl. 15, figs. 1-2, 4, 6 (*non* Fig. 7, no. a or Pl. 16). Wright, J., 1920a, p. 387. Wright, J., 1932, p. 342, Pls. 23, figs. 39-40; 24; Figs. 1-4. Wright, J. 1933, p. 202, Pl. 14, figs. 4-8, 10-11; Figs. 13-15. Bassler, 1938, p. 37. Wright, J., 1939, p. 48, Pl. 10, figs. 13-15, 19, 21. Wright, J., 1941, p. 300, Pl. 7, figs. 1, 7, 10, 15. Bassler and Moodey, 1943, p. 292. Wright, J., 1952a, p. 139, Pls. 39, figs. 1-2, 4-7, 9, 11-12; 41, figs. 19-22, 24-25, 30-34 (*non* Pl. 41, fig. 23 as given). Gutschick, 1968, p. 988, Fig. 2. Webster, 1973, p. 46. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 84, no. 2. Moore and Strimple *in* Moore and Teichert, 1978, p. T537, Fig. 335, nos. 7a-7d. Lane and Sevastopulo, 1985, p. 441. Webster, 1986, p. 52. Webster, 1988, p. 32. Mississippian, Viséan, Lower Limestone Group, Fife Limestones. United Kingdom, Scotland

*Allagecrinus austinii* Carpenter and Etheridge, 1881 (part) = *Allagecrinus garpelensis*

*Allagecrinus austinii* Carpenter and Etheridge, 1881 (part) = *Kallimorphocrinus elongatus*

*Allagecrinus austinii* Carpenter and Etheridge, 1881 (part) = *Litocrinus scoticus*

*Allagecrinus bassleri* Strimple, 1938 = *Isoallagecrinus bassleri* = *Kallimorphocrinus bassleri*

*Allagecrinus bassleri nodosus* Strimple, 1951 = *Kallimorphocrinus bassleri*

*Allagecrinus bassleri status* Strimple, 1951 = *Isoallagecrinus status* = *Kallimorphocrinus status*

*Allagecrinus* cf. *bassleri* Strimple, 1938. Moore, 1940b, p. 126, Pl. 2, figs. 7a-7c; Figs. 8;

12, nos. i-l (given as *A. wewokanus* on explanation for Fig. 8). Bassler and Moodey, 1943, p. 293.

Pennsylvanian, Desmoinesian, Des Moines Group, Wewoka Formation. United States, Oklahoma

*Allagecrinus* sp. cf. *A. bassleri* Strimple, 1951. Moore, 1940 = *Isoallagecrinus* sp. cf. *I. bassleri* = *Kallimorphocrinus* sp. cf. *K. bassleri*

*Allagecrinus biplex* Wright, 1932 = *Wrightocrinus biplex* = *Thaminocrinus biplex*

*Allagecrinus carpenteri* Wachsmuth, 1882 = *Catillocrinus carpenteri* = *Allocatillocrinus carpenteri*

*Allagecrinus constellatus* Moore, 1940 = *Isoallagecrinus constellatus* = *Kallimorphocrinus constellatus*

*Allagecrinus copani* Strimple, 1949 = *Isoallagecrinus copani* = *Kallimorphocrinus copani*

*Allagecrinus coronarius* Gutschick, 1968, p. 995, Figs. 2, 6-9. Webster, 1973, p. 46. Mapes, Lane, and Strimple, 1986, p. 402, Fig. 4, nos. 1-6. Webster, 1993, p. 23. Mississippian, Viséan (Chesterian), Renault Formation; Ridenhower Shale; Imo Formation. United States, Illinois, Kentucky, Arkansas

*Allagecrinus dignatus* Moore, 1940 = *Isoallagecrinus dignatus* = *Kallimorphocrinus dignatus*

*Allagecrinus donetzensis* Yakovlev, 1930 = *Isoallagecrinus?* *donetzensis* = *?Kallimorphocrinus donetzensis*

*Allegecrinus dux* Wanner, 1930 = *Allegecrinus? dux* = *Metallagecrinus dux*

*Allagecrinus elegantulus* Gutschick, 1968, p. 997, Figs. 2, 5-7, 10-11. Kelly, 1982, p. 287, Fig. 5 (incorrectly cited as *A. elongantulus*). Webster, 1973, p. 46. Webster, 1988, p. 32.

Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Illinois

*Allagecrinus elongatus* Wright, 1932 = *Kallimorphocrinus elongatus*

*Allagecrinus erectus* (Strimple and Watkins, 1969). Lane and Sevastopulo, 1985, p. 441. Webster, 1988, p. 33.

*Isoallagecrinus erectus* Strimple and Watkins, 1969, p. 217, Pls. 41, fig. 2; 52, figs. 7-11. Webster, 1977, p. 101. Webster, 1988, p. 33.

Pennsylvanian, Atokan, Marble Falls Formation, Lemons Bluff Limestone Member. United States, Texas

*Allegecrinus excavatus* Wanner, 1929 = *Kallimorphocrinus excavatus* = *Metallagecrinus excavatus*

*Allagecrinus garpelensis* Wright, J., 1932, p. 346, Pl. 25, figs. 1-13; Figs. 5-11. Wright, J., 1933, p. 206, Pl. 14, figs. 9, 12. Wright, J., 1939, p. 49, Pl. 10, figs. 16-18, 20, 25, 28. Bassler and Moodey, 1943, p. 293. Wright, 1952a, p. 142, Pls. 39, figs.

3,

8, 10, 17-19, 21; 40, figs. 27, 29. Gutschick, 1968, p. 988, Fig. 2. Webster, 1973, p. 46. Lane and Sevastopulo, 1985, p. 441. Webster, 1988, p. 33.

*Allagecrinus austinii* Carpenter and Etheridge, 1881, Pl. 15, fig. 7a. Bassler and Moodey, 1943, p. 293.

Mississippian, Serpukhovian, Upper Limestone Group. United Kingdom, Scotland

*Allagecrinus graffhami* Strimple, 1948 = *Isoallagecrinus graffhami* = *Kallimorphocrinus graffhami*

*Allagecrinus indoaustralicus* Wanner, 1916 = *Allagecrinus indoaustralicus* = *Kallimorphocrinus indoaustralicus* = *Metallagecrinus indoaustralicus*

*Allagecrinus inflatus* Wanner, 1929 = *Kallimorphocrinus inflatus* = *Metallagecrinus inflatus*

*Allagecrinus jakovlevi* Wanner, 1929 = *Wrightocrinus jakovlevi*

*Allagecrinus kylensis* Strimple, 1948 = *Isoallagecrinus kylensis* = *Kallimorphocrinus kylensis*

*Allagecrinus mccraneyensis* Lane and Sevastopulo, 1986, p. 737, Figs. 2, nos. 1, 3-5; 3, nos. 1-11. Webster, 1993, p. 23.

Mississippian, Tournaisian (Kinderhookian), McCraney Limestone. United States,

## Illinois

*Allagecrinus multibrachiatus* Yakovlev, 1927 = *Kallimorphocrinus multibrachiatus* =  
*Metallagecrinus multibrachiatus*

*Allagecrinus ornatus* Wanner, 1929 = *Kallimorphocrinus ornatus* = *Metallagecrinus*  
*ornatus*

*Allagecrinus pecki* Moore, 1940 = *Kallimorphocrinus pecki*

*Allagecrinus pocillus* Strimple, 1966 = *Kallimorphocrinus pocillus* = *K. astrus*

*Allagecrinus procerus* Wanner, 1929 = *Kallimorphocrinus procerus* = *Metallagecrinus*  
*procerus*

*Allagecrinus quinquebrachiatus* Wanner, 1929 = *Kallimorphocrinus quinquebrachiatus*  
= *Metallagecrinus quinquebrachiatus*

*Allagecrinus quinquelobus* Wanner, 1929 = *Kallimorphocrinus quinquelobus* =  
*Metallagecrinus quinquelobus*

*Allagecrinus rowleyi* Peck, 1936, p. 284, Pl. 47, figs. 15-20, 23-24, 27-28. Bassler  
and Moodey, 1943, p. 515.

*Hybochilocrinus rowleyi* (Peck, 1936). Moore, 1940b, p. 78. Bassler and Moodey,  
1943, p. 515. Moore and Laudon, 1944, p. 147, Pl. 56, fig. 1. Ubaghs, 1953, p.  
747, Fig. 19. Webster, 1973, p. 151.

*Hybochilocrinus americanus* (Rowley, 1895). Sieverts-Doreck, 1960, Pl. 1, fig. 6.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States,  
Missouri

*Allagecrinus scoticus* Wright, 1932 = *Litocrinus scoticus*

*Allagecrinus sculptus* Strimple and Koenig, 1956, p. 1229, Fig. 2, nos. 1-12.

Gutschick, 1968, p. 988, Fig. 6. Webster, 1973, p. 46.

Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Shale Member.  
United States, New Mexico

*Allagecrinus sevastopuloi* Webster et al., 2011, p. 26, Fig. 8, nos. n-p.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Allagecrinus status* Strimple, 1951 = *Isoallagecrinus status* = *Kallimorphocrinus status*

*Allagecrinus strimplei* Kirk, 1936 = *Kallimorphocrinus strimplei*

*Allagecrinus uralensis* Yakovlev, 1927 = *Kallimorphocrinus uralensis* = *Metallagecrinus*  
*uralensis*



*Allagecrinus uralensis nodocarinatus* Yakovlev, 1927 = *Metallagecrinus uralensis nodocarinatus*

*Allagecrinus uralensis* var. *nodocarinatus* Yakovlev, 1927 = *Kallimorphocrinus uralensis nodocarinatus* = *Metallagecrinus uralensis nodocarinatus*

*Allagecrinus yakovlevi* Wanner, 1929 = *Wrightocrinus jakovlevi*

*Allagecrinus* sp. Ubaghs, 1953, p. 747, Figs. 47-48.  
Diagramatic

**ALLOCATILLOCRINUS** Wanner, 1937. \**Allagecrinus carpenteri* Wachsmuth, 1882.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Wanner, 1937, p. 109. Bassler, 1938, p. 37. Moore, 1940b, p. 87. Bassler and Moodey, 1943, p. 294. Moore and Laudon, 1943b, p. 30, Fig. 3. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 4. Ubaghs, 1953, p. 747, Figs. 52-53. Moore, 1962b, p. 16, Fig. 12, o. 10. Arendt and Hecker, 1964, p. 81. Strimple, 1966c, p. 107. Strimple and Moore, 1971a, p. 38. Webster, 1973, p. 47. Webster, 1977, p. 36. Willink, 1978, p. 86, Fig. 3, no. B. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 85, no. 5. Moore and Strimple *in* Moore and Teichert, 1978, p. T544, Fig. 334, no. 10. Burdick and Strimple, 1983a, p. 39. Webster, 1986, p. 52. Sevastopulo and Lane, 1988, p. 246. Webster, 1988, p. 33. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 23.

Named, currently recognized species based on cups or crowns: 3 species. 2

Mississippian, 1 Viséan, 1 Viséan - Serpukhovian; 1 Permian, Artinskian

Mississippian, Viséan. United Kingdom, Scotland

Mississippian, Viséan - Serpukhovian (Meramecian – Chesterian). United States Permian, late Artinskian. Russia, Ural Mountains

\**Allocatillocrinus carpenteri* (Wachsmuth, 1882). Wanner, 1937, p. 111. Bassler and Moodey, 1943, p. 294. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 17. Moore and Laudon, 1944, p. 149, Pl. 55, fig. 4. Webster, 1973, p. 47. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 339, no. 13. Burdick and Strimple, 1983a, p. 40, Pl. 10, figs. 11, 17. Webster, 1986, p. 53. Webster, 1988, p. 33.

*Allagecrinus carpenteri* Wachsmuth, 1882, p. 40. Wachsmuth and Barris, 1883, p. 341, Pl. 29, fig. 14. Miller, S. A., 1889, p. 222. Wachsmuth and Springer, 1897, p. 78, Pl. 8, fig. 11. Weller, S., 1898c, p. 75. Bassler, 1938, p. 37. Bassler and Moodey, 1943, p. 294.

*Catillocrinus carpenteri* (Wachsmuth, 1882). Springer, 1923a, p. 28, Pl. 4, fig. 1.

Wright, J., 1935b, p. 196, Figs. 3, 6. Bassler and Moodey, 1943, p. 294.

Mississippian, Viséan - Serpukhovian (Meramecian – Chesterian), Renault Formation, Gasper Formation, Monteagle Limestone. United States, Illinois, Indiana, Alabama

*Allocatillocrinus morrowensis* (Strimple, 1940) = *Gongrocrinus morrowensis*

*Allocatillocrinus rarus* Arendt, 2007a, p. 57, Pl. 9, figs. 1-3. Arendt, 2007b, p. 63, Pl. 9,

figs. 1-3; Fig. 1, nos. a-b.  
Permian, late Artinskian. Russia, Ural Mountains

*Allocatillocrinus rotundus* Moore, 1940 = \**Gongrocrinus rotundus*

*Allocatillocrinus rotundus multibrachiatus* Moore, 1940 = *Gongrocrinus rotundus*

*Allocatillocrinus scoticus* (Wright, 1933). Wanner, 1937, p. 111, Fig. 27. Bassler and Moodey, 1943, p. 294. Wright, J., 1952a, p. 147, Pl. 39, figs. 13-15; Figs. 76-81. Webster, 1973, p. 47.

*Catillocrinus scoticus* Wright, J., 1933, p. 194, Pl. 13, figs. 1-3, 7-8; Figs. 1-2, 4-7. Wright, J., 1939, p. 52, Pl. 10, figs. 22-24; Figs. 69-74. Bassler and Moodey, 1943, p. 294

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

**ALLOCRINUS** Wachsmuth and Springer, 1890. \**A. typus* Wachsmuth and Springer, 1890.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patellocrinoidea, F. Patellocrinidae

Wachsmuth and Springer, 1889c, p. 222 (*nomen nudum*). Wachsmuth and Springer,

1890b, p. 206. Wachsmuth and Springer, 1897, p. 306. Bather *in* Lankester, 1900, p. 162. Wachsmuth *in* Zittel, 1900, p. 148. Springer *in* Zittel, 1913, p. 191. Bassler, 1915, p. 25. Springer 1921, p. 3. Springer, 1926, p. 30. Bassler, 1938, p.

37. Bassler and Moodey, 1943, p. 294. Moore and Laudon, 1943b, p. 98, Fig. 18.

Moore and Laudonl, 1944, p. 200, Pl. 70, fig. 11. Ubaghs, 1953, p. 742.

Webster,

1973, p. 47. Ubaghs *in* Moore and Teichert, 1978, p. T506. Witzke and Strimple, 1981, p. 124. Webster, 1986, p. 53. Webster, 1988, p. 33. Thomka et al., 2011, p. 387, Fig. 13. *Thomka et al.*, 2012, p. 475, Fig. 9, unnum. No.

Named, currently recognized species based on cups or crowns: 9 Silurian species, 1 subspecies. 2 Early Silurian undesignated, 3 Niagaran (+1 subspecies), 1 Wenlockian, 3 Ludlovian

Early - Middle Silurian. United States

*Allocrinus benedicti* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 674, Fig. 1210. Miller, S. A. 1892b, p. 647, Pl. 7, fig. 1. Wachsmuth and Springer, 1897, p. 308, Pl. 24, figs. 8a-8b. Bassler, 1915, p. 25. Springer, 1926a, p. 31, Pl. 6, figs. 11-12. Bassler and Moodey, 1943, p. 294.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Allocrinus divergens* Strimple, 1952b, p. 78, Figs. 8-9. Webster, 1973, p. 47.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Allocrinus globulus* Strimple, 1963d, p. 107, Pl. 10, figs. 2-4. Webster, 1973, p. 47.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Allocrinus irroratus* Strimple, 1963d, p. 106, Pl. 8, figs. 3-7. Webster, 1973, p. 47.  
Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Allocrinus longidactylus* Springer, 1926a, p. 30, Pl. 6, figs. 7-9. Bassler and Moodey, 1943, p. 294. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 4. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 21. Webster, 1973, p. 47. Ubaghs *in* Moore and Teichert, p. T506, Fig. 309, nos. 1b-1c. Webster, 1986, p. 53.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Allocrinus longidactylus magniradialis* Springer, 1926a, Pl. 6, fig. 10. Bassler and Moodey, 1943, p. 295.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Allocrinus ornatus* Witzke and Strimple, 1981, p. 124, Pl. 3, figs. 26-29. Webster, 1988, p. 33.  
Silurian, Wenlockian, Hopkinton Dolomite. United States, Iowa

*Allocrinus ponderosus* Springer, 1926a, p. 30, Pl. 6, figs. 5-6. Bassler and Moodey, 1943, p. 295.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Allocrinus subglobosus* (Weller, 1900). Witzke and Strimple, 1981, p. 124. Webster, 1988, p. 33.  
*Macrostylocrinus subglobosus* Weller, S., 1900, p. 96, Pl. 4, fig. 8. Bassler, 1915, p. 783. Bassler and Moodey, 1943, p. 545. Witzke and Strimple, 1981, p. 124.  
Silurian, Wenlockian, Racine Dolomite. United States, Wisconsin

*Allocrinus* cf. *A. subglobosus* (Weller, 1900). Witzke and Strimple, 1981, p. 124, Pl. 2, figs. 27-29. Webster, 1988, p. 33.  
Silurian, Wenlockian, Hopkinton Dolomite. United States, Iowa

\**Allocrinus typus* Wachsmuth and Springer *in* Miller, S. A., 1889, p. 222 (*nomen nudum*). Wachsmuth and Springer, 1890, p. 207, Pl. 14, figs. 7-7a. Wachsmuth and Springer, 1897, p. 307, Pl. 24, figs. 7a-7b. Bassler, 1915, p. 26. Springer, 1926a, p. 30, Pl. 6, figs. 1-4. Bassler, 1938, p. 37. Bassler and Moodey, 1943, p. 295. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 5. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 18. Webster, 1973, p. 47. Ubaghs *in* Moore and Teichert, 1978, p. T506, Fig. 309, no. 1a. Webster, 1986, p. 53.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

**ALLOPROSALLOCRINUS** Casseday and Lyon, 1862. \**A. conicus* Casseday and Lyon, 1862.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

- Casseday and Lyon, 1862, p. 29. Shumard, 1868, p. 353. Meek and Worthen, 1873, p. 367. Zittel, 1880, p. 370. Wachsmuth and Springer, 1881, p. 113 (328). Miller, S. A., 1889, p. 222. Bather *in* Lankester, 1900, p. 167. Wachsmuth *in* Zittel, 1900, p. 143. Wood, E., 1909, p. 60. Grabau and Shimer, 1910, p. 541. Springer, 1913, p. 195. Bassler, 1938, p. 37. Bassler and Moodey, 1943, p. 295. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 195. Ubaghs, 1953, p. 740. Lane, 1963b, p. 925. Webster, 1973, p. 47. Webster, 1977, p. 36. Haugh, 1978, p. 164, Fig. 11, no. I. Lane *in* Moore and Teichert, 1978, p. T467. Ausich, Kammer, and Lane, 1979, p. 1189, Fig. 6A, no. b. Kammer, Ausich, and Lane, 1983, p. 55, Fig. 14, no. A, item b. Webster, 1986, p. 53. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 33. Webster, 1993, p. 23.
- CONOCRINITES* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Troost, 1850a, p. 60. Wood, E., 1909, p. 60. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 295.
- CONOCRINUS* Shumard, 1866, p. 353. Miller, S. A., 1889, p. 233. Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 295.
- Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species  
Mississippian, Viséan (late Osagean). United States

*Alloprosallocrinus celsus* Miller and Gurley, 1894 = *Magnuscrinus celsus*

- \**Alloprosallocrinus conicus* Casseday and Lyon, 1862, p. 29. Shumard, 1868, p. 353. Miller, S. A., 1889, p. 222. Wachsmuth and Springer, 1897, p. 407, Pl. 42, figs. 14a-c. Weller, S., 1898c, p. 75. Rowley *in* Greene, 1906, p. 10, Pl. 3, fig. 14-15. Grabau and Shimer, 1910, p. 542. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 295. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 10. Moore and Laudon, 1944, p. 195, Pl. 75, fig. 4. Laudon, 1948, Pl. 2. Wilson, C. W., 1948, p. 166, Pl. 29, figs. 14-15. Van Sant *in* Van Sant and Lane, 1964, p. 110, Pl. 7, figs. 2-4; Figs. 17, no. 5; 18; 37 (*non* Fig. 11 as given). Kesling, 1965a, p. 257, Pls. 1, figs. 3-6; 2, figs. 1-5. Webster, 1973, p. 47. Ubaghs *in* Moore and Teichert, 1978, p. T170, Fig. 142, no. 1. Lane *in* Moore and Teichert, 1978, p. T467, Fig. 275, no. 3. Webster, 1986, p. 53. Newell, 2005, p. 31, Fig. 3, nos. 14-15 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 486, suppl., p. 6.
- Alloprosallocrinus gurleyi* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 674, Fig. 1211. Miller, S. A., 1892b, p. 668, Pl. 10, figs. 1-2. Weller, S., 1898c, p. 75. Bassler and Moodey, 1943, p. 295.
- Conocrinites leae* Troost, 1850a, p. 60. Troost, 1850b, p. 419. Wood, E., 1909, p. 71. Bassler and Moodey, 1943, p. 295.
- Conocrinus leae* (Troost, 1850). Shumard, 1868, p. 353.
- Alloprosallocrinus leae* (Troost, 1850). Shumard, 1868, p. 353.
- Conocrinites tuberculatus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Shumard, 1868, p. 353. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 295. Van Sant *in* Van Sant and Lane, 1964, p. 110. Webster, 1973, p.

47.

*Alloprosalloocrinus tuberculosus* (Troost, 1909). Wood, E., 1909, p. 69, Pl. 5, figs. 14-15, Unnum. Fig. Bassler and Moodey, 1943, p. 295.

Mississippian, Viséan (Osagean), Borden Group, Keokuk Limestone; Fort Payne Chert. United States, Tennessee, Kentucky, Indiana Iowa, Missouri

*Alloprosalloocrinus depressus* Caseday and Lyon, 1862 = *Agaricocrinus?* *depressus*

*Alloprosalloocrinus euconus* (Meek and Worthen, 1865) = *Azygocrinus euconus* = *Batocrinus euconus*

*Alloprosalloocrinus gurleyi* Miller, 1891 = *Alloprosalloocrinus conicus*

*Alloprosalloocrinus leae* (Troost, 1850) = *Alloprosalloocrinus conicus*

*Alloprosalloocrinus tuberculosus* (Troost, 1950) = *Alloprosalloocrinus conicus*

*Alloprosalloocrinus* sp. Greb et al., 2008, p. 17, Fig. 3, nos. a-c.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

**ALLOSOOCRINUS** Strimple, 1949. \**A. bronoughi* Strimple, 1949.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Calceolispongiidae

Strimple, 1949c, p. 17. Arendt and Hecker, 1964, p. 89. Strimple and Watkins,

1969, p. 188. Strimple and Moore, 1971a, p. 27. Webster, 1973, p. 48. Pabian and Strimple, 1974b, p. 12. Webster, 1977, p. 36. Moore and Strimple *in* Moore and Teichert, 1978, p. T739. Webster, 1986, p. 53. Pabian and Rushlau, 2002,

p.

31. Ausich and Kammer, 2010a, p. 41.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species. 1 Desmoinesian, 2 Missourian

Pennsylvanian, Desmoinesian - Missourian. United States

\**Allosocrinus bronoughi* Strimple, 1949c, p. 18, Pl. 4, figs. 1-4. Cornwell and Cornwell, 1968, Pl. 2, fig. 4. Strimple and Moore, 1971a, p. 27, Pl. 8, fig. 5, Fig. 6, no. 1. Webster, 1973, p. 48. Pabian and Strimple, 1974b, p. 12, Fig. 5, nos. 4-6. Webster, 1977, p. 36. Moore and Strimple *in* Moore and Teichert, 1978, p. T740, Fig. 490, no. 2. Webster, 1986, p. 53. Pabian and Rushlau, 2002, p. 31, Fig. 10, nos. 1-3.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member; Wann Formation; Stanton Formation, Eudora Shale Member. United States, Illinois, Iowa, Kansas, Oklahoma

*Allosocrinus* sp. cf. \**A. bronoughi* Strimple, 1949. Pabian and Strimple, 1974a, p. 262, Fig. 2, nos. a-c. Webster, 1986, p. 54. Pabian and Rushlau, 2002, p. 31.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone Member. United States, Nebraska

*Allosocrinus libratus* Strimple, 1961g, p. 105, Pls. 5, figs. 4-6; 15, fig. 5. Webster, 1973, p. 48. Pabian and Rushlau, 2002, p. 31.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Allosocrinus porus* Strimple, 1951c, p. 19, Pl. 4, fig. 7. Webster, 1973, p. 48. Pabian and Rushlau, 2002, p. 31.  
Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Allosocrinus quinarius* Lane and Webster, 1966 = *Pentaxocrinus quinarius*

*Allosocrinus* spp.

Genus and species unknown, Species B Webster and Lane, 1967, p. 20, Pl. 8, fig. 5;

Fig. 4, no. 1 (crown). Webster, 1973, p. 274. Webster and Lane, 2007, p. 964.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Holterhoff, 1996, p. 184, Fig. 3, no. D. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

**ALLOSYCOCRINUS** Wanner, 1924. \**A. pusillus* Wanner, 1924.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Sycocrinitidae

Wanner, 1924, p. 141. Wanner, 1929, p. 39. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 295. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 179. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 12, Fig. 6.

Arendt, 1970a, p. 139. Webster, 1973, p. 48. Webster, 1977, p. 36. Lane and Moore *in* Moore and Teichert, 1978, p. T602. Webster, 1986, p. 54.

Named, currently recognized species based on cups or crowns: 3 Permian species, series uncertain

Permian, series uncertain. Timor

*Allosycocrinus? grandis* Wanner, 1924b, p. 159, Pl. 8, fig. 10. Bassler and Moodey, 1943, p. 295. Branson, C. C. 1948, p. 179. Arendt, 1970a, p. 139. Webster, 1977, p. 36.

Permian, series uncertain. Timor

*Allosycocrinus? medius* Wanner, 1924b, p. 158, Pl. 8, figs. 16-17. Bassler and Moodey, 1943, p. 296. Branson, C. C., 1948, p. 179. Arendt, 1970a, p. 139. Webster, 1977, p. 36.

Permian, series uncertain. Timor

\**Allosycocrinus pusillus* Wanner, 1924, p. 157, Pl. 8, figs. 6-9; Fig. 12. Wanner, 1929, p.

54, Pl. 3, figs. 1-9; Figs. 5-6. Wanner, 1930, p. 12, Pl. 1, figs. 17, 18. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296. Branson, C. C., 1948, p. 179.

Arendt, 1970a, p. 139, Fig. 33. Webster, 1977, p. 36. Ubaghs *in* Moore and Teichert, 1978, p. T113, Fig. 86, no. 2. Lane and Moore *in* Moore and Teichert, 1978, p. T602, Fig. 389, no. 5. Webster, 1986, p. 54.

Permian, series uncertain. Timor

**ALLOZYGOCRINUS** Witzke and Strimple, 1981. \**A. dubuquensis* Witzke and Strimple, 1981.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Witzke and Strimple, 1981, p. 111. Webster, 1988, p. 34.

Named, currently recognized species based on cups or crowns: 2 Silurian species. 1  
Llandoveryan, 1 Wenlockian

Silurian, Wenlockian. United States, Iowa

Silurian, Llandeilian. Canada, Quebec

\**Allozygocrinus dubuquensis* Witzke and Strimple, 1981, p. 111, Pl. 2, figs. 4-5; Fig. 4.  
Webster, 1988, p. 33.

Silurian, Wenlockian, Hopkinton Dolomite. United States, Iowa

*Allozygocrinus exallos* Ausich and Copper, 2010, p. 22, Pl. 1, fig. 4; Fig. 6.5.

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

**ALOPOCRINUS** Ausich and Copper, 2010. \**Alopocrinus parvus* Ausich and Copper,  
2010.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F.  
Glyptocrinidae

Ausich and Copper, 2010, p. 28.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, Llandoveryan. Canada, Quebec

\**Alopocrinus parvus* Ausich and Copper, 2010, p. 29, Pl. 6, fig. 1; Figs. 7.2-7.3.

Silurian, Llandoveryan, Becscie Formation, Fox Point Member. Canada, Quebec,  
Anticosti Island

**ALPHACRINUS** Guensburg, 2010 \**Alphacrinus mansfieldi* Guensburg, 2010

Sbc. Disparida, Incerti ordines, F. Alphacrinidae

Guensburg, 2010, p. 1213.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Tremadocian species

Ordovician, middle Tremadocian (early Ibexian). United States, Utah

\**Alphacrinus mansfieldi* Guensburg, 2010, p. 1215, Figs. 2-4.

Ordovician, middle Tremadocian, (early Ibexian), lower part of Fillmore Formation.  
United States, Utah, Millard County

**ALSOPOCRINUS** Tansey, 1924 = **LECANOCRINUS**

*Alsopocrinus anna* Tansey, 1924 = *Lecanocrinus anna*

Amabilicrinidae indeterminate Webster, Maples, and Yazdi, 2007, p. 1111, Fig. 3, nos.  
9-11.

Mississippian, late Tournaisian, Mobarak Formation. Northern Iran

*Amabilicrinid?* indeterminate Webster et al., 2003, p. 24, Fig. 12.1.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

**AMABILICRINUS** Webster et al., 2003. \**Amabilicrinus iranensis* Webster et al., 2003.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F.

Amabilicrinidae

Webster et al., 2003, p. 17, Fig. 10.1.

Named, currently recognized species based on cups or crowns: 3 Mississippian,  
Tournaisian species

Mississippian, Tournaisian. Iran, Kerman Province

*Amabilicrinus bahramensis* Webster et al., 2003, p. 19, Figs. 12.5-12.7.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

\**Amabilicrinus iranensis* Webster et al., 2003, p. 18, Figs. 10.2, 11.5-11.7.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*Amabilicrinus stellatus* Webster, Maples, and Yazdi, 2007, p. 1109, Fig. 3, no. 8.

Mississippian, Tournaisian, Mobarak Formation. Northern Iran

**AMADEUSICRINUS** Waters et al., 2003. \**Pachylocrinus subpentagonalis* Lane,  
Waters, and Maples, 1997.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Sostronocrinidae

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species

Devonian, Famennian. China, Xinjiang

\**Amadeusicrinus subpentagonalis* (Lane, Waters, and Maples, 1997). Waters et al.,  
2003, p. 945, Figs. 11, nos. 6-8; 13, nos. 12, 14. Webster and Waters, 2009, p.  
280, Fig. 5, nos. N-P.

?*Pachylocrinus subpentagonalis* Lane, Waters, and Maples, 1997, p. 32, Figs. 11.7-  
11.10, 11.12, 12.7-12.11. Waters et al., 2003, p. 945.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region

**AMBICOCRINUS** Kirk, 1945. \**Thysanocrinus arborescens* Talbot, 1905.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Kirk, 1945a, p. 353. Ubaghs, 1953, p. 737. Webster, 1973, p. 48. Ubaghs *in* Moore  
and Teichert, 1978, p. T434. Webster, 1986, p. 54. Hauser, 2001, p. 68, Fig. 53.

Named, currently recognized species based on cups or crowns: 1 Late Silurian or  
Early Devonian species

Late Silurian?, Early Devonian: United States, New York



\**Ambicocrinus arborescens* (Talbot, 1905). Kirk, 1945a, p. 353. Webster, 1973, p. 48. Ubaghs *in* Moore and Teichert, 1978, p. T434, Fig. 243, no. 2. Webster, 1986, p. 54. Hauser, 2001, p. 68, Fig. 52.

*Thysanocrinus arborescens* Talbot, 1905, p. 23, Pl. 1, fig. 2; Fig. 1. Bassler, 1915, p. 438. Bassler and Moodey, 1943, p. 424.

*Dimerocrinites arborescens* (Talbot, 1905). Bassler and Moodey, 1943, p. 424.

Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 10. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 5. Webster, 1973, p. 110.

*Dimerocrinus arborescens* (Talbot, 1905). Bassler, 1915, p. 438. Goldring, 1923, p. 83, Pl. 1, fig. 1. Bassler and Moodey, 1943, p. 424.

Late Silurian?, Early Devonian, Manlius Limestone or Coeymans Limestone; upper third of Coeymans Limestone. United States, New York

**AMBLACRINUS** d'Orbigny, 1849. \**Platycrinus rosaceus* Roemer, 1844.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

d'Orbigny, 1849, p. 144. d'Orbigny, 1850, p. 104, 156. Pictet, 1857, p. 331. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296. Moore and Laudon, 1943b, p. 101. Ubaghs, 1953, p. 743. Webster, 1973, p. 48. Ubaghs *in* Moore and Teichert, 1978, p. T510. Webster, 1986, p. 54. Webster, 1988, p. 34. Hauser, 1997, p. 176, Fig. 48.

**COCCOCRINUS** Müller *in* Zeiler and Wirtgen, 1855, p. 20. \**C. rosaceus* Roemer, 1844. Pictet, 1857, p. 310. Dujardin and Hupé, 1862, p. 107. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 200. Shumard, 1868, p. 359. Bigsby, 1868, p. 18. Zittel, 1880, p. 342, 347. Wachsmuth and Springer, 1881, p. 52 (232). Wachsmuth and Springer, 1886, p. 58, 114 (280, 336). Miller, S. A., 1889, p. 232.

Zittel, 1895, p. 124. Koken, 1896, p. 282. Wachsmuth and Springer, 1897, p. 738. Bather *in* Lankester, 1900, p. 156. Wachsmuth *in* Zittel, 1900, p. 139.

Grabau and Shimer, 1910, p. 515. Springer *in* Zittel, 1913, p. 199. Bassler, 1915, p. 248. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 296.

Named, currently recognized species based on cups or crowns: 3 Devonian species.

1 uncertain series, 1 Eifelian, 1 Givetian

Devonian, Eifelian - Givetian. Europe

*Amblacrinus inaequidactylus* (M'Coy, 1844) = *Amblacrinus inaequidactylus* = *Cyathocrinites?* inaequidactylus

*Amblacrinus lanvoyensis* Le Menn, 1985, p. 66, Pl. 10, figs. 5-6. Webster, 1988, p. 34. Devonian, Givetian, Kerbelec Formation. France, Armorican Massif

*Amblacrinus moravicus* (Remes, 1929). Bassler and Moodey, 1943, p. 296.

*Coccocrinus moravicus* Remes, 1929, p. 242, Pl. 1, fig. 2. Bassler and Moodey, 1943, p. 296.

Devonian, series uncertain. Czech Republic

- \**Amblacrinus rosaceus* (Roemer, 1844). d'Orbigny, 1849, p. 104. Bassler and Moodey, 1943, p. 296. Ubaghs *in* Moore and Teichert, 1978, p. T510, Fig. 313, no. 1. Webster, 1986, p. 54. Hauser, 1997, p. 176, Pl. 39, figs. 13-15.
- Platycrinus rosaceus* Roemer, C. F., 1844, p. 63, Pl. 3, figs. 3a-3c. Bronn, 1848, p. 993. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296.
- Coccocrinus rosaceus* (Roemer, 1844). Müller *in* Zeiler and Wirtgen, 1855, p. 21, Pl. 7, figs. 5a-5c. Pictet, 1857, p. 310, Pl. 100, fig. 3, nos. a-c. Bronn, 1860, Pl. 28, figs. 8A-8C. Dujardin and Hupé, 1862, p. 108, Pl. 5, fig. 10. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 201, Pl. 12, fig. 13. Kayser, 1872, p. 685. Zittel, 1880, p. 330, 347, Figs. 220, 233. Neumayr, 1889, p. 449, 470, Figs. 127, 141. Zittel, 1895, p. 124, Fig. 227. Lahusen, 1895, p. 144, Fig. 194, nos. a-b. Holzapfel, 1895, p. 301. Wachsmuth and Springer, 1897, Pl. 3, fig. 14. Wachsmuth *in* Zittel, 1900, p. 127, Fig. 227. Frech, 1902, Pl. 27, figs. 4a-4b. Gürich, 1909, p. 108, Pl. 33, figs. 4a-4b. Springer, 1926a, p. 51, Pl. 11, figs. 1-2. Bassler, 1938, p. 69. Bassler and Moodey, 1943, p. 296.
- Platycrinus (Cupellecrinus) roaseformis* Bigsby, 1868, p. 22 (sic). Devonian, Eifelian, Rotheisenstein. Germany

**AMELIACRINUS** Kesling, 1968 = **OPSIOCRINUS**

*Ameliacrinus benderi* Kesling, 1968 = *Opsiocrinus benderi*

**AMMONICRINUS** Springer, 1926. \**A. wanneri* Springer, 1926.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Calycocrinidae

Springer, 1926b, p. 22. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296. Moore and Laudon, 1943b, p. 29. Ehrenberg, 1955, p. 496. Webster, 1973, p. 48. Piotrowski, 1977, p. 210, Fig. 3. Webster, 1977, p. 36. Moore *in* Moore and Teichert, 1978, p. T785. Haude, 1981, p. 199, Fig. 12, no. A. Webster, 1986, p. 55. Hauser, 1997, p. 114, Fig. 35. Hauser, 2005, p. 13, Figs. 7-8. Hauser, 2008, p. 36, Fig. 81. Bohatt, J., 2011b, p. 622, Fig. 1.

Named, currently recognized species based on cups or crowns: 8 species: 7

Devonian, 1 Emsian, 3 Eifelian, 3 Eifelian-Givetian; 1(?) Permian, Artinskian

Devonian, Eifelian - Givetian. Germany, Poland

Devonian, Pragian. Czech Republic

Devonian, early Emsian. early Eifelian. France

Devonian, Early (? Middle) Givetian. Poland

Devonian, Eifelian. Germany, Spain, Morocco

?Permian. Artinskian Russia, Ural Mountains

*Ammonicrinus doliiformis* Wolburg, 1937, p. 230. Wolburg, 1938, p. 260, Fig. 2. Bassler and Moodey, 1943, p. 296. Wanner, 1943, Unnum. Fig. bottom p. 36. Yakovlev, 1946b, p. 69, Fig. 107. Ubaghs, 1952, p. 216, Pl. 3. Ubaghs, 1953, p. 729, Fig. 134. Ehrenberg, 1955, p. 496. Kongiel, 1958, p. 31, Fig. 5. Schmidt and Trunko, 1965, p. 870. Webster, 1973, p. 48. Webster, 1977, p. 36. Ubaghs *in* Moore and Teichert, 1978, p. T64, Fig. 44, no. 3. Haude, 1981, p. 199, Fig. 12, no. B. Webster, 1986, p. 55. Hauser, 1997, p. 114, Pl. 3, figs. 2-4. Ausich et al. *in* Hess et al., 1999 p. 10, Fig. 14. Hauser, 2005, p. 14, Pls. 2, figs. 3, 6a-6b; 5, figs. 6-7;

- Figs. 2-3, 9; unnumbered figs. p. 33-36. Bohatř, J., 2011b, p. 626, Figs. 2E, 3, 4A, 9K-90), 15D.  
Devonian, Eifelian, Selscheid Formation, Oderhäuser Formation; Freilingen Formation, Eilenberg Member; 'Rommersheim Formation'. Germany
- Ammonicrinus* aff. *doliiformis* Wolburg, 1937. Hauser, 1997, Pls. 3, fig 1; 4, fig. 1. Hauser, 2005, p. 14, Pl. 2, fig. 1.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member, Bohnert Member. Germany
- Ammonicrinus* cf. *doliiformis* Wolburg, 1937. Hauser, 2005, p. 14, Pls. 3, fig. 3; 4, fig. 7.  
Devonian, Eifelian, Freilingen Formation. Germany
- Ammonicrinus jankei* Bohatř, J., 2011b, p. 630, Figs. 4B, 14B, 15C.  
Devonian, Eifelian, (?)Junkerberg and Freilingen Formations to lower part of (?)Ahabach Formation. Germany
- Ammonicrinus kerdreoletensis* Le Menn and Jaouen, 2003. Bohatř, J., 2011b, p. 627, Figs. 6, 11, 15A.  
Devonian, Emsian, Kerdréolet Formation. France
- Ammonicrinus leunissenii* Bohatř, J., 2011b, p. 628, Figs. 2B, 2D, 7, 8, 12, 14C.  
Devonian, Eifelian to earliest Givetian, Freilingen Formation to Loogh Formation. Germany
- Ammonicrinus? nordicus* Yakovlev in Yakovlev and Ivanov, 1956, p. 69, Pl. 11, fig. 15. Webster, 1973, p. 48. (**Note:** Not *Ammonirinus*, probably a camptocrinid, GDW)  
Permian, Artinskian. Russia, Ural Mountains, Krasnoufimsk
- Ammonicrinus sulcatus* Kongiel, 1958, p. 34, Fig. 6. Piotrowski, 1977, p. 211, Pls. 17, figs. 1-5; 18, figs. 4-8; 10; Figs. 2, 4-6. Webster, 1973, p. 48. Webster, 1986, p. 55. Hauser, 2005, p. 21, Pl. 6, figs. 1-10; Fig. 14; unnumbered fig. p. 34. Bohatř, J., 2011b, p. 625, Figs. 1A, 5A, 5B, 10, 13, 14A, 15C.  
Devonian, Givetian, Skaly beds, Member 14. Poland  
Devonian, late Eifelian, Freilingen Formation, Bohnert Member. Germany
- Ammonicrinus wachtbergensis* Hauser, 2005, p. 23, Pl. 1, figs. 3a-3c; Figs. 1, 15, nos. a-b; unnumbered fig. p. 34.  
Devonian, Eifelian, probably Freilingen Formation. Germany
- \**Ammonicrinus wanneri* Springer, 1926b, p. 22, Pl. 6, figs. 4-6. Krause, 1927, p. 456, Pl. 8. Ehrenberg, 1930a, p. 323, Pl. 16, figs. 14-17. Wolberg, 1938, p. 258, Fig. 1, no. 5. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 297. Wanner, 1943, Unnum. Fig. top p. 36. Cuénot, 1948, p. 38, Fig. 49. Ubaghs, 1952, p. 206, Pls. 1-2; Figs. 1-2, 3F, 4-5. Ubaghs, 1953, p. 729, Figs. 132-133. Ehrenberg, 1955, p. 496. Wanner, 1954, p. 231, Fig. 1. Kongiel, 1958, p. 31, Figs. 1-4. Webster, 1973, p. 48. Webster, 1977, p. 36. Ubaghs in Moore and

- Teichert, 1978, p. T78, Fig. 57, nos. 6-8. Moore *in* Moore and Teichert, 1978, p. T785, Figs. 525, no. 3; 526, no. 5. Haude, 1981, p. 199, Fig. 12, no. C. Webster, 1986, p. 55. Hauser, 1997, p. 116, Pls. 2, figs. 2-4; 3, fig. 6; 4, figs. 4-5. Hauser, 2005, p. 25, Pls. 1, figs. 1-2, 6; 2, figs. 2, 5; 3, figs. 1-2, 4-6, 8-10; 4, figs. 1, 3-4, 6, 8-9; 5, figs. 1-5, 7-8; Figs. 16-23; unnumbered figs. p. 33-37. Hauser, 2008, p. 35, Pls. 3, fig. 5; 16, figs. 1, 3-6; Figs. 80, 82. Prokop, 2009c, p. 161, Fig. 1, no. A. Bohatř, J., 2011b, p. 623, Figs. 2A, 2C, 9A-9J, 15B.  
Devonian, Eifelian - Givetian, Ahbach Formation, Junkerberg Formation, Freilingen Formation, Rommersheimer Beds, Bonert Member; Givetian, Lough Formation, Hustley Member. Germany
- Ammonicrinus* aff. *wanneri* Springer, 1926. Hauser, 1997, Pl. 4, fig. 2.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany
- Ammonicrinus* aff. *wanneri* Springer, 1926. Hauser, 2005, p. 25, Pl. 1, fig. 4; 2, fig. 4; 3, fig. 7; 4, figs. 2, 5; unnumbered fig. p. 32. Hauser, 2008, Pls. 1, fig. 10; 3, fig. 3.  
Devonian, Eifelian, Ahbach Formation; Givetian, Lough Formation, Hustley Member. Germany
- Ammonicrinus* sp. Hauser, 1997, Pls. 2, figs. 5-6; 3, fig. 6; Pl. 4, fig. 3.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany
- Ammonicrinus?* sp. Hauser, 2005, p. 36, unnumbered fig. bottom of page.  
Devonian, Pragian, Loděnice Limestone. Czech Republic
- AMONOHXACRINUS** Schewtschenko, 1967. \**A. adelius* Schewtschenko, 1967.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Parahexacrinidae  
Schewtschenko, 1967, p. 82. Schewtschenko, 1968b, p. 78. Webster, 1973, p. 49.  
Ubaghs *in* Moore and Teichert, 1978, p. T475. Webster, 1986, p. 55.  
Named, currently recognized species based on cups or crowns: 1 Early Devonian species, series uncertain  
Early Devonian. Tajikistan, Central Asia
- \**Amonohexacrinus adelius* Schewtschenko, 1967, p. 82, Pl. 9, fig. 4; Figs. 5-6.  
Schewtschenko, 1968b, p. 79, Pl. 9, fig. 4; Figs. 5-6. Webster, 1973, p. 49.  
Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 280, no. 3. Webster, 1986, p. 55.  
Early Devonian, upper part of lower part of Kshtut Beds. Tajikistan, Zeravshan Mountains, Central Asia, southeastern Tian Shan
- Amorphocrinus americanus* Roemer, 1854 = *Agaricocrinus americanus*
- Ampelocrinidae gen. et sp. indet. Hashimoto, 1984, p. 11, Pl. 2, figs. 3a-3c; Fig. 5, nos. 1a-1b. Webster, 1993, p. 23.  
Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan
- AMPELOCRINUS** Kirk, 1942. \**Poteriocrinus kaskaskiensis* Worthen, 1882.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae  
 Kirk, 1942c, p. 23. Bassler and Moodey, 1943, p. 297. Moore and Laudon, 1943b,  
 p. 59. Arendt and Hecker, 1964, p. 89. Strimple and Watkins, 1969, p. 185.  
 Strimple and Moore, 1971a, p. 28. Moore and Strimple, 1973, p. 53. Webster,  
 1973, p. 49. Webster, 1977, p. 37. Moore, Lane, and Strimple *in* Moore and  
 Teichert, 1978, p. T674. Burdick and Strimple, 1983a, p. 141. Webster, 1986, p.  
 55. Chestnut and Ettensohn, 1988, p. 44, Fig. 10. Webster, 1988, p. 34. Lane  
 and Sevastopulo, 1990, p. 336. Webster, 1993, p. 23.  
 Named, currently recognized species based on cups or crowns: 8 species. 7  
 Mississippian, 1 Viséan, 1 Viséan – Serpukhovian, 5 Serpukhovian; 1  
 Pennsylvanian, Morrowan  
 Late Mississippian - Early Pennsylvanian, Serpukhovian (Chesterian) - Morrowan.  
 United States  
 Mississippian, Viséan. United Kingdom, Scotland

*Ampelocrinus bernhardinae* Kirk, 1942 = *Ampelocrinus kaskaskiensis*

*Ampelocrinus collinsi* (Strimple and Horowitz, 1971). Strimple, 1973f, p. 22, Fig. 13.  
 Webster, 1977, p. 37.

*Armenocrinus collinsi* Strimple and Horowitz, 1971, p. 25, Figs. 9, no. 3; 10, nos. 2-  
 3, 5. Strimple, 1973f, p. 22. Webster, 1977, p. 43. Moore, Lane, and Strimple  
*in* Moore and Teichert, 1978, p. T674, Fig. 445, no. 1d. Webster, 1986, p. 66.  
 Mississippian, Viséan (Chesterian), Greenbrier Formation. United States,  
 Kentucky

*Ampelocrinus convexus* (Strimple, 1940). Moore and Strimple, 1973, p. 53. Webster,  
 1977, p. 37.

*Delocrinus convexus* Strimple, 1940a, p. 95, Pl. 8, figs. 13-14. Bassler and  
 Moodey, 1943, p. 409. Strimple and Watkins, 1969, p. 191. Moore and  
 Strimple, 1973, p. 53. Webster, 1977, p. 37, 104

*Lecobasicrinus convexus* (Strimple, 1940). Strimple and Watkins, 1969, p. 191.  
 Webster, 1977, p. 104.

Pennsylvanian, Morrowan, Morrow Formation, Wapanucka Limestone. United  
 States, Oklahoma

*Ampelocrinus erectus* Strimple, 1949c, p. 16, Pl. 4, figs. 5-6. Webster, 1973, p. 49.  
 Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
 Oklahoma

*Ampelocrinus fimbriatus* Kirk, 1942 = *Ampelocrinus kaskaskiensis*

\**Ampelocrinus kaskaskiensis* (Worthen, 1882). Kirk, 1942c, p. 24. Bassler and  
 Moodey, 1943, p. 297. Strimple, 1973f, p. 22, Fig. 14. Chestnut and Ettensohn,  
 1988, p. 44, Pls. 4, figs. 1-4; 12, fig. 8. Webster, 1993, p. 23.

*Poteriocrinus kaskaskiensis* Worthen, 1882, p. 27. Worthen, 1883, p. 300, Pl. 29,  
 fig. 15. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 544. Bassler and  
 Moodey, 1943, p. 297. Chestnut and Ettensohn, 1988, p. 44. Webster, 1993, p. 23.

- Scaphiocrinus kaskaskiensis* (Worthen, 1882). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 544.
- Ampelocrinus bernhardinae* Kirk, 1942c, p. 25, Pl. 1, figs. 1-2. Bassler and Moodey, 1943, p. 297. Strimple, 1973f, p. 22, Fig. 13. Webster, 1977, p. 37. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 444, no. 5. Webster, 1986, p. 55. Chestnut and Ettensohn, 1988, p. 44. Webster, 1993, p. 23.
- Ampelocrinus fimbriatus* Kirk, 1942c, p. 26, Pl. 2, figs. 5-6. Bassler and Moodey, 1943, p. 297. Chestnut and Ettensohn, 1988, p. 44. Webster, 1993, p. 23.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Formation, Pennington Formation. United States, Kentucky
- Ampelocrinus longitentaculatus* (Rowley, 1901). Burdick and Strimple, 1983a, p. 140. Webster, 1988, p. 34.
- Scaphiocrinus? longitentaculatus* Rowley, R. R., 1901b, p. 61, Pl. 21, fig. 27. Bassler and Moodey, 1943, p. 582. Burdick and Strimple, 1983a, p. 141. Webster, 1988, p. 34.
- Pachylocrinus longitentaculatus* (Rowley, 1901). Bassler and Moodey, 1943, p. 582.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone?. United States, Indiana
- Ampelocrinus mundus* Kirk, 1942c, p. 27, Pl. 2, figs. 1-4. Bassler and Moodey, 1943, p. 297. Strimple, 1973f, p. 22, Figs. 12-13. Webster, 1977, p. 37. Burdick and Strimple, 1983a, p. 142, Pl. 18, fig. 11. Webster, 1988, p. 34. Kammer and Springer, 2008, p. 1184, Figs. 4.1-4.2.
- Mississippian, Viséan - Serpukhovian (Chesterian), Monteagle Limestone; Greenbrier Formation, Wymys Gap Member. United States, Alabama, West Virginia
- Ampelocrinus plumosus* Wright, J., 1951b, p. 93, Pl. 30, fig. 3. Webster, 1973, p. 49.
- Aesiocrinus cf. harii* Wright, J., 1937a, p. 407, Pl. 16, fig. 4 17 (typographical error as *A. cf. harei* in synonymy). Wright, J., 1939, p. 38, Pl. 8, fig. 17 (typographical error as *A. cf. harei* in synonymy). Wright, J., 1951b, p. 93. Webster, 1973, p. 49.
- ?*Ampelocrinus* n. sp. Kirk, 1942, p. 25. Wright, J., 1951b, p. 93. Webster, 1973, p. 49.
- Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Ampelocrinus spinosus* Strimple, 1973f, p. 23, Figs. 15, nos. 1-2; 16, nos. 1-2. Webster, 1977, p. 37.
- Mississippian, Serpukhovian (Chesterian), upper part of Fraileys Formation or lower part of Haney Formation. United States, Illinois
- ?*Ampelocrinus* n. sp. Kirk, 1942 = *Ampelocrinus plumosus*
- Amphelocrinus elegantatus* (Wachsmuth and Springer *in* Miller, 1889) = *Amphelocrinus elegantulus*

*Amphielecrinus madisonensis* Laudon and Severson, 1953 = *Paracosmetocrinus madisonensis*

*Amphielecrinus meeki* (Kirk, 1941) = *Amphielecrinus meeki*

*Amphielecrinus richfieldensis* (Worthen, 1882) = *Amphielecrinus richfieldensis*

*Amphielecrinus sacculatus* Laudon and Severson, 1953 = *Amphielecrinus sacculatus* = *Paracosmetocrinus sacculatus*

**AMPHERISTOCRINUS** Hall, 1879. \**A. typus* Hall, 1879.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Hall, 1879b, p. 11. Hall, 1882a, p. 67. Hall, 1882b, p. 278. Wachsmuth and  
Springer,

1886, p. 191, 219 (115, 143). Miller, S. A., 1889, p. 223. Bather *in* Lankester,  
1900, p. 173. Weller, S., 1900, p. 67. Bassler, 1915, p. 32. Bassler, 1938, p. 39.  
Bassler and Moodey, 1943, p. 297. Moore and Laudon, 1943b, p. 51, Fig. 4.  
Moore and Laudon, 1944, p. 154, Pl. 54, fig. 29. Moore, 1962b, p. 15, Fig. 10,  
no.

3. Arendt and Hecker, 1964, p. 85. Webster, 1973, p. 49. Lane and Moore *in*  
Moore and Teichert, 1978, p. T583. Frest and Strimple, 1982, p. 722. Frest and  
Strimple, 1986, p. 55. Frest and Strimple, 1988, p. 34.

Named, currently recognized species based on cups or crowns: 2 Silurian, Niagaran  
species

Silurian, Niagaran. United States

*Ampheristocrinus? calyx* (Hall, 1879). Bassler, 1915, p. 32. Bassler and Moodey,  
1943,  
p. 297.

*Poteriocrinus? calyx* Hall, 1879c, p. 10. Hall, 1882a, p. 66. Hall, 1882b, p. 266, Pl.  
15, fig. 14. Miller, S. A., 1889, p. 273. Bassler, 1915, p. 32. Bassler and  
Moodey,  
1943, p. 297.

*Poteriocrinites? calyx* (Hall, 1879). Lesley, 1889, p. 740, Fig. 14.  
Silurian, Niagaran, Waldron Shale. United States, Indiana

*Ampheristocrinus dubius* Weller, 1900 = *Premanicrinus dubius*

\**Ampheristocrinus typus* Hall, 1879c, p. 11. Hall, 1882a, p. 67, Unnum. Fig. p. 67. Hall,  
1882b, p. 278, Pl. 15, figs. 17-18. Miller, S. A., 1889, p. 223, Fig. 243. Bassler,  
1915, p. 32. Springer, 1926a, p. 132, Pl. 31, fig. 1. Bassler, 1938, p. 39. Bassler  
and Moodey, 1943, p. 297. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 9.

Moore

and Laudon, 1944, p. 154, Pl. 54, fig. 28. Webster, 1973, p. 49. Lane and Moore  
*in* Moore and Teichert, 1978, p. T583, Figs. 372, no. 3; 375, no. 6. Frest and  
Strimple, 1982, p. 722, Fig. 2, no. A. Webster, 1986, p. 55. Webster, 1988, p.  
34. Kahrs, 1995, p. 52, Figs. 1-2.

Silurian, Niagaran, Waldron Shale, Beech River Formation. United States,  
Indiana, Tennessee

**AMPHICRINUS** Springer, 1906. \**A. scoticus* Springer in Wright, 1914.

Sbc.Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae  
Springer, 1906, p. 518. Springer in Zittel, p. 1913, p. 205. Springer, 1920a, p. 261.  
Bassler, 1938, p. 39. Bassler and Moodey, 1943, p. 297. Moore and Laudon,  
1943b, p. 74, Fig. 10. Moore and Laudon, 1944, p. 179, Pl. 67, fig. 2. Cuénot,  
1948, p. 67. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 94. Strimple and  
Moore, 1971a, p. 39. Webster, 1973, p. 49. Webster, 1977, p. 37. Moore in  
Moore and Teichert, 1978, p. T809, Figs. 506, no. 13c; 508, no. 1a; 510, no. 2b.  
Webster, 1986, p. 56. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p.  
23.

Named, currently recognized species based on cups or crowns: 7 species. 3  
Mississippian, 1 Tournaisian, 1 Viséan – Serpukhovian, 1 Serpukhovian; 4  
Pennsylvanian, 2 Bashkirian, 2 Desmoinesian

Mississippian, Tournaisian - Viséan. United Kingdom, Scotland; Russia  
Pennsylvanian, Morrowan - Desmoinesian. United States, Kansas, Oklahoma

*Amphicrinus carbonarius* Springer, 1920a, p. 341, Pl. 60, figs. 12a-12b. Laudon, 1937,  
p. 708, Fig. 1. Bassler and Moodey, 1943, p. 297. Moore and Laudon, 1944, p.  
179, Pl. 79, fig. 32. Strimple, 1962e, p. 50, Pl. 5, figs. 3-5. Webster, 1973, p. 49.  
Pennsylvanian, Desmoinesian, Marmaton Formation; Oologah Limestone. United  
States, Kansas, Oklahoma

*Amphicrinus divergens* Strimple, 1940a, p. 91, Pl. 8, figs. 11-12. Bassler and Moodey,  
1943, p. 298.

Pennsylvanian, Bashkirian (Morrowan), Morrow Formation. United States,  
Oklahoma

*Amphicrinus formosus* Webster et al., 2004, p. 59, Pl. 16, figs. 11-15.

Mississippian, Serpukhovian, E2, top of Djenien Formation. Algeria

*Amphicrinus luberculatus* Yakovlev, 1961, p. 417, Pl. 1, figs. 3-4 (typographical error).

Mississippian, Tournaisian (C<sub>1</sub>). Russia, Donetsk Basin

*Amphicrinus oklahomaensis* Strimple, 1939 = *Paramphicrinus oklahomaensis*

*Amphicrinus poundi* Strimple, 1939 = *Paramphicrinus poundi*

*Amphicrinus prinsii* Webster et al., 2004, p. 60, Pl. 16, figs. 7-10.

Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria

\**Amphicrinus scoticus* Springer in Wright, J., 1914, p. 161, Pl. 10, figs. 3-4. Springer,  
1920a, p. 338, Pl. 40, figs. 9-11. Bassler, 1938, p. 38. Wright, J., 1939, p. 53, Pl.  
11, figs. 1-6. Bassler and Moodey, 1943, p. 298. Wright, J., 1946a, p. 37, Pls. 3,  
figs. 7, 10-12; 4, figs. 1-3, 5-7, 10-12. Wright, J. 1954a, p. 149, Pls. 41, figs. 1,



- 14; 42, figs. 8-9,; 43, figs. 16-18, 20-23; 47, figs. 26-27. Yakovlev, 1961, p. 417, Pl. 1, figs. 1- 2. Webster, 1973, p. 49. Moore *in* Moore and Teichert, 1978, p. T810, Figs. 541, no. 7; 543, nos. 5a-5c. Webster, 1986, p. 56. Kendrick, 2007, p. 346, Fig. 9, no. A.
- Encrinus* sp. Ure, 1793, p. 325, Pl. 18, fig. 13. Bassler and Moodey, 1943, p. 450. Wright, 1954a, p. 149.  
Mississippian, Viséan, Lower Limestone Group, Hurler Limestone. United Kingdom, Scotland; Russia, Donetz Basin
- Amphicrinus simplex* Strimple, 1940b, p. 103, Pl. 9, fig. 1. Bassler and Moodey, 1943, p. 298.  
Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma
- Amphicrinus* spp.  
Wright, J., 1920a, p. 381.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland  
Yakovlev, 1961, p. 417, Pl. 2, fig. 11. Webster, 1973, p. 271 (brachial)  
Mississippian. Russia, Donetz Basin  
McKinzie, 1995b, p. 32, Fig. 2, no. 3 (no. 3 is incorrectly placed by the opened crown of *Delocrinus graphicus* rather than by the crown of *Amphicrinus* in the right central part of the diagram).  
Pennsylvanian, Missourian, Graford Formation, Jasper Creek Shale. United States, Texas
- Amphicrinus?* sp. Wright, J., 1954a, p. 151, Pl. 42, fig. 5. Webster, 1973, p. 49.  
Mississippian, Serpukhovian, E<sub>1</sub>, red beds above Main Limestone. United Kingdom
- AMPHIPSALIDOCRINUS** Weller, 1930. \**A. scissurus* Weller, 1930.  
Sbc. Cladida, O. Monobathrida, Sbo. Compsocrinina, Spf. Platycrinitoidea, F. Platycrinitidae  
Weller, J. M., 1930a, p. 22. Bassler, 1938, p. 39. Bassler and Moodey, 1943, p. 298. Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 747. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 4. Arendt, 1970a, p. 193. Webster, 1973, p. 49. Webster, 1977, p. 37. Lane and Moore *in* Moore and Teichert, 1978, p. T596. Sevastopulo and Lane, 1981, p. 1174. Lane, Sevastopulo, and Strimple, 1985, p. 79. Webster, 1986, p. 56; 1988, p. 34. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 24. Webster et al., 2011, p. 23.
- TYTTHOCRINUS** Weller, J. S., 1930a, p. 35. \**T. comptus* Weller, 1930. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 717. Moore and Laudon, 1943b, p. 50. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Fig. 2. Arendt, 1970a, p. 193. Webster, 1973, p. 262. Lane and Moore *in* Moore and Teichert, 1978, p. T604. Lane, Sevastopulo, and Strimple, 1985, p. 79. Webster, 1986, p. 315. Webster, 1988, p. 34. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 24.

*OCTOCRINUS* Peck, 1936, p. 291. \**O. inxonauwrua* Peck, 1936. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 573. Koenig and Meyer, 1965, p. 392. Arendt, 1970a, p. 193. Webster, 1973, p. 262. Webster, 1977, p. 37.

Named, currently recognized species based on cups or crowns: 7 species. 1 Devonian, Givetian; 3 Mississippian, 1 Tournaisian, 1 Viséan, 1 Serpukhovian; 2 Pennsylvanian, 1 Bashkirian, 1 Morrowan – Desmoinesian; 1 Permian, Artinskian  
Devonian, Givetian - Mississippian, Viséan (Osagean), Pennsylvanian, Morrowan - Desmoinesian. United States  
Mississippian. Ireland  
Pennsylvanian, Bashkirian. Iran  
Permian, Artinskian. Russia

*Amphipsalidocrinus alamogordoensis* (Strimple and Koenig, 1956). Arendt, 1970a, p. 193. Webster, 1977, p. 37. Lane, Sevastopulo, and Strimple, 1985, p. 80, Fig. 1, nos. 2-4, 7-9.

*Tythocrinus alamogordoensis* Strimple and Koenig, 1956, p. 1241, Fig. 4, nos. 1-9. Koenig and Meyer, 1965, p. 392, Fig. 1, no. B. Arendt, 1970a, p. 193. Webster, 1973, p. 262. Lane, Sevastopulo, and Strimple, 1985, p. 79. Webster, 1988, p. 34.

*Tythocrinus alamogordoensis* (Strimple and Koenig, 1956). Webster, 1977, p. 37. Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Shale Member. United States, New Mexico

*Amphipsalidocrinus arcarius* (Koenig and Meyer, 1965). Arendt, 1970a, p. 193, Fig. 63, nos. a-b. Webster, 1977, p. 38.

*Tythocrinus arcarius* Koenig and Meyer, 1965, p. 392, Figs. 1, no. a; 4, nos. a-g. Arendt, 1970a, p. 193. Webster, 1973, p. 262.

*Tythocrinus arcarius* (Koenig and Meyer, 1965). Webster, 1977, p. 38. Devonian, Givetian, Windom Shale. United States, New York

*Amphipsalidocrinus arendti* Webster et al., 2011, p. 24, Fig. 7, nos. a-m. Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Amphipsalidocrinus astrus* Arendt, 2002, p. 122, Pl. 5, figs. 3a-3d; Fig. 1, nos. j-l (not i-l as given in Figure 1 explanation).

Mississippian, early Serpukhovian, bottom of Steshev Horizon. Russia, Moscow Basin

*Amphipsalidocrinus comptus* Weller, 1930 = *Amphipsalidocrinus scissurus*

*Amphipsalidocrinus inconsuetus* (Peck, 1936). Peck and Connelly, 1951, p. 414, Figs. 1-4. Sieverts-Doreck, 1960, Pl. 1, fig. 9. Arendt, 1970a, p. 193, Fig. 62, nos. a-g (non Fig. 61, nos. a-b, as given p. 193). Webster, 1973, p. 262. Webster, 1977, p. 38. Lane, Sevastopulo, and Strimple, 1985, p. 80, Fig. 1, nos. 6, 10-11. Webster, 1988, p. 35.

*Octocrinus inconsuetus* Peck, 1936, p. 291, Pl. 46, figs. 3-10. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 573. Arendt, 1970a, p. 193. Webster, 1973, p. 262. Webster, 1977, p. 38. Lane, Sevastopulo, and Strimple, 1985, p. 79. Webster, 1988, p. 35.

*Tythocrinus inconsuetus* (Peck, 1936). Koenig and Meyer, 1965, p. 392, Fig. 1, no. C. Webster, 1973, p. 262. Lane and Moore *in* Moore and Teichert, 1978, p. T605, Fig. 390, nos. 3a-3d. Webster, 1986, p. 315.

Mississippian, Tournaisian (Osagean), upper part of Rockford Limestone; Fern Glen Limestone. United States, Tennessee, Missouri

*Amphipsalidocrinus posterior* Arendt, 1970a, p. 194, Pl. 10, figs. 15-19; Fig. 64. Webster, 1977, p. 38.

Permian, late Artinskian, Div'ya Suite. Russia, Priurals

\**Amphipsalidocrinus scissurus* Weller, J. M., 1930a, p. 33, Pl. 2, figs. 8a-8c; Fig. 6. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 298. Peck and Connelly, 1951, p. 414, Figs. 5-6. Arendt, 1970a, p. 194, Figs. 62, nos. d-e. Webster, 1973, p. 50. Webster, 1977, p. 38. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Fig. 385, no. 3. Lane and Sevastopulo, 1982a, p. 112, Pl. 3, figs. 1-8, 10; Fig. 1, nos. E-F. Webster, 1986, p. 56. Webster, 1988, p. 35. Ausich, 1996a, p. 957, Fig. 3, nos. 4-5. Ausich, 1997a, p. 293, Fig. 3, nos. 17-18.

*Tythocrinus comptus* Weller, J. M., 1930a, p. 35, Pl. 2, figs. 7a-7b; Fig. 7. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 717. Koenig and Meyer, 1965, p. 393, Fig. 1, no. D. Arendt, 1970a, p. 194. Webster, 1973, p. 262. Lane and Moore *in* Moore and Teichert, 1978, p. T605, Fig. 390, nos. 3d, 3f. Lane and Sevastopulo, 1982a, p. 112. Webster, 1986, p. 315. Webster, 1988, p. 35.

*Tythocrinus comptus* (Weller, 1930). Webster, 1977, p. 38 (sic)

*Amphipsalidocrinus comptus* (Weller, 1930). Peck and Connelly, 1951, p. 414, Figs. 7-8. Arendt, 1970a, p. 194, Figs. 62zh, z, 63v. Webster, 1973, p. 262. Webster, 1977, p. 38. Lane and Sevastopulo, 1982a, p. 112. Webster, 1988, p. 35.

Pennsylvanian, Morrowan - Desmoinesian, Perth Limestone. United States, Indiana, Missouri

*Amphipsalidocrinus* spp.

*Tythocrinus* sp. Lane and Breimer, 1974, p. 36, Fig. 1, no. F. Webster, 1986, p. 315.

No age given

Sevastopulo and Lane, 1981, p. 1174, Pl. 1, figs. 5-9; Fig. 2. Webster, 1988, p. 35. Silurian, Ludlovian, Brownsport Formation. United States, Tennessee

Lane, Sevastopulo, and Strimple, 1985, p. 80, Fig. 1, nos. 1, 5. Webster, 1988, p. 35.

Mississippian, Viséan, Asbian aged mudstones. Ireland

AMPHORA Cumberland, 1826 = **ACTINOCRINITES**

*Amphora gilbertsoni* (Miller, 1836) = *Amphoracrinus gilbertsoni*

*Amphora* No. 1 Cumberland, 1826 = *Actinocrinites laevis* = *Sampsonocrinus loricatus* = *Thinocrinus loricatus*

*Amphora* No. 2 Cumberland, 1826 = *Amphoracrinus gilbertsoni*

**AMPHORACRINUS** Austin, 1948. \**Actinocrinus gilbertsoni* Miller in Phillips, 1836.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Amphoracrinidae

Austin, 1848, p. 292. Roemer, C. F. in Bronn and Roemer, 1851, p. 249. Pictet, 1857, p. 324. Hall, 1861a, p. 280. Dujardin and Hupé, 1862, p. 142. Shumard, 1868, p. 354. Billings, E., 1869-1870, p. 71, Fig. 2. Meek and Worthen, 1873, p. 386. Zittel, 1879, p. 370. Wachsmuth and Springer, 1881, p. 151 (325). Miller, S. A., 1889, p. 223. Zittel, 1895, p. 128. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 550. Bather in Lankester, 1900, p. 170. Wachsmuth in Zittel, 1900, p. 141. Grabau and Shimer, 1910, p. 527. Springer in Zittel, 1913, p. 197. Bassler, 1938, p. 39. Bassler and Moodey, 1943, p. 298. Moore and Laudon, 1943b, p. 92, Fig. 15. Moore and Laudon, 1944, p. 191. Termier, G. and Termier, H., 1947, p. 255, Pl. 19, fig. 47. Ubaghs, 1953, p. 739. Hemming, 1958, p. 301. Webster, 1973, p. 50. Webster, 1977, p. 38. Ubaghs in Moore and Teichert, 1978, p. T451. Webster, 1986, p. 56. Webster and Lane, 1987, p. 9. Lane and Sevastopulo, 1987, p. 200. Webster, 1988, p. 35. Webster, 1993, p. 24. Chen and Yao, 1993, p. 27, Fig. 10. Ausich, 1995, p. 1188. Ausich and Sevastopulo, 2001, p. 25. Donovan and Lewis, 2003, p. 1. Webster et al., 2004, p. 19. Ausich and Kammer, 2008b, p. 1142. Webster, Waters, and Chen, 2009, p. 135.

*AMPHORICRINUS* Zittel, 1880, p. 344, 370 (sic).

*MITROCRINUS* Miller and Gurley, 1894. \**M. wetherbyi* Miller and Gurley, 1894.

Miller and Gurley, 1894b, p. 22. Miller, S. A., 1897, p. 748. Bather in Lankester, 1900, p. 203. Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 565.

Ubaghs in Moore and Teichert, 1978, p. T518. Webster, 1986, p. 208. Ausich, 1995, p. 1188.

*AMPHORA* Cumberland, 1826. Roemer, C. F., 1851, p. 250.

Named, currently recognized species based on cups or crowns: 21 Mississippian species, 1 subspecies. 11 Tournaisian, 4 Tournaisian-Viséan, 6 Viséan (+1 subspecies)

Mississippian, Tournaisian - Viséan. Europe

Mississippian, /tournaisian (Kinderhookian – Osagean): United States

Mississippian, late Viséan. Morocco

Mississippian, Tournaisian. China

*Amphoracrinus americanus* Roemer, 1852-1854 = *Agaricocrinus americanus*

*Amphoracrinus americanus* Quenstedt, 1867 (non Roemer, 1852-1854) = *Agaricocrinus wortheni*

*Amphoracrinus amphora* Gilbertson in Portlock, 1843 = *Amphoracrinus portlocki*

*Amphoracrinus anthodeus* Chen and Yao, 1993 = *Ectocrinus anthodeus*

- Amphoracrinus atlas* (M'Coy, 1849). Roemer, C. F. in Bronn and Roemer, 1851, p. 250. Dujardin and Hupé, 1862, p. 142. Bassler and Moodey, 1943, p. 298. Wright, J., 1943a, p. 87, Pl. 4, figs. 6-7. Wright, J., 1955a, p. 199, Pl. 50, figs. 5, 10-14. Webster, 1973, p. 50. Chen and Yao, 1993, p. 29, Pls. 4, figs. 5-7; 14, fig. 7.  
*Actinocrinus (Amphoracrinus) atlas* M'Coy, 1849, p. 248. M'Coy, 1854a, p. 109. M'Coy, 1854b, p. 120, Pl. 3-D, fig. 5. Bassler and Moodey, 1943, p. 298.  
 Mississippian, Viséan. United Kingdom, Scotland  
 Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province
- Amphoracrinus atlas?* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 138, Fig. 6, nos. k-m.  
 Mississippian, Tournaisian, Yudong Formation. China, Yunnan
- Amphoracrinus bellatrema* (Hall, 1861) = *Agaricocrinus bellatrema*
- Amphoracrinus blairi* Miller and Gurley, 1896a, p. 26, Pl. 1, figs. 45-50. Miller, S. A., 1897, p. 734. Weller, S., 1898c, p. 82. Bassler and Moodey, 1943, p. 298.  
 Ausich  
 and Kammer, 2008b, p. 1143.  
 Mississippian, Tournaisian-Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Missouri
- Amphoracrinus bollandensis* Wright, J., 1955a, p. 200, Pl. 50, figs. 19-20; 51, figs. 26, 28-32. Webster, 1973, p. 50. Chen and Yao, 1993, p. 28, Pl. 4, figs. 2-3.  
*Amphoracrinus gilbertsoni* Form III (Miller in Phillips), 1836. Wright, J., 1943a, p. 87, Pls. 4, fig. 11; 6, figs. 4, 8-12. Wright, J., 1955a, p. 200. Webster, 1973, p. 40.  
 Mississippian, Tournaisian - Viséan. United Kingdom, Scotland  
 Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province
- Amphoracrinus bollandensis?* Wright; Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 137, Fig. 6, nos. n-q.  
 Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Amphoracrinus brevicalix* (Rofe, 1865) = *Pimlicocrinus brevicalix*
- Amphoracrinus cheni* Webster, Waters, and Chen, 2009, p. 135, Fig. 6, nos. e-f.  
*Amphoracrinus gigas* Chen and Yao, 1993, p. 28, Pls. 4, fig. 4; 14, figs. 5-6.  
 Webster, Waters, and Chen, 2009, p. 137.  
 Mississippian, Tournaisian, Yudong Formation. China, Yunnan
- Amphoracrinus clitheroensis* Wright, 1943 = *Pimlicocrinus clitheroensis*
- Amphoracrinus compressus* Wright, J., 1943a, p. 88, Pl. 5, fig. 11. Wright, J., 1955a, p. 202, Pl. 49, fig. 21. Webster, 1973, p. 50.  
 Mississippian, Viséan. United Kingdom

- Amphoracrinus crassus* (Austin and Austin, 1843). Austin, 1848, p. 292. Bassler and Moodey, 1943, p. 268. Wright, J., 1955a, p. 199, Pl. 51, fig. 38; Fig. 110, no. 5. Webster, 1973, p. 50. Ausich and Sevastopulo, 2001, p. 26, Pl. 2, figs. 1-7.
- Actinocrinites crassus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 201. Bassler and Moodey, 1943, p. 268, 298. Webster, 1973, p. 50.
- Actinocrinus?* *crassus* (Austin and Austin, 1843). Bronn, 1848, p. 14.
- Actinocrinus crassus* (Austin and Austin, 1843). Wright, J., 1955a, p. 199. Mississippian, Tournaisian. United Kingdom
- Amphoracrinus divergens* (Hall, 1859) = *\*Displodocrinus divergens*
- Amphoracrinus divergens* var. *multiramosus* Wachsmuth and Springer, 1897 = *Amphoracrinus divergens* = *Displodocrinus divergens*
- Amphoracrinus excavatus* (Hall, 1861) = *Agaricocrinus excavatus*
- Amphoracrinus gigas* Austin in Wright, J., 1955a, p. 202, Pls. 48, figs. 6-7, 9-12, 14-15; 51, fig. 5; Fig. 110, nos. 1-4. White, E., 1964, p. 172, Pl. 60, fig. 3. Webster, 1973, p. 50. Webster, 1977, p. 38. Turek, 1988, p. 381, Figs. 1-2. Mississippian, Tournaisian. Ireland  
Mississippian, Viséan. United Kingdom, Scotland  
Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province
- Amphoracrinus gigas* Chen and Yao, 1993 = *Amphoracrinus cheni*
- \*Amphoracrinus gilbertsoni* (Miller in Phillips, 1836). Roemer, C. F. in Bronn and Roemer, 1851, p. 250. Pictet, 1857, p. 325, Pl. 101, Fig. 7. Wachsmuth and Springer, 1897, p. 587. Bassler and Moodey, 1943, p. 299. Webster, 1973, p. 50. Ubaghs in Moore and Teichert, 1978, p. T452, Fig. 260, no. 1. Webster, 1986, p. 56. Chen and Yao, 1993, p. 27, Pl. 4, fig. 1. Ausich, 1995, p. 1188. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 5. Donovan, Lewis, and Kabrna, 2006, p. 43, Fig. 1, nos. a-d.
- Actinocrinus gilbertsoni* Form I Miller in Phillips, 1836, p. 206, Pl. 4, fig. 19. Bassler and Moodey, 1943, p. 299. Wright, J. 1956a, p. 156. Peck, 1956, p. 319. Hemming, 1958, p. 301. Webster, 1973, p. 50.
- Actinocrinus gilbertsoni* Miller in Phillips, 1836. Bronn, 1848, p. 14. d'Orbigny, 1850, p. 155. Bassler, 1938, p. 40.
- Actinocrinites gilbertsoni* Phillips, 1836. Bronn, 1848, p. 719. Roemer, C. F., 1851, p. 250.
- Actinocrinus gilbertsonii* Phillips, 1839. Dujardin and Hupé, 1862, p. 139 (sic).
- Actinocrinus amphora* (*gilbertsoni*) Portlock, 1843. Roemer, C. F., 1851, p. 250.
- Melocrinites amphora* Goldfuss, 1839, Pl. 31, fig. 4. Bassler and Moodey, 1943, p. 299.
- Melocrinus amphora* (Goldfuss, 1839). Bronn, 1848, p. 719. Roemer, C. F., 1851, p. 250. Bronn, 1860, Pl. 28, figs. 2A-2C. Dujardin and Hupé, 1862, p. 145.
- Actinocrinites amphora* Gilbertson in Portlock, 1843, p. 347, Pl. 15, figs. 4-6. Bronn, 1848, p. 719. Quenstedt, 1852, p. 619, Pl. 54, figs. 24a-24c. Quenstedt, 1885, p.

- 957, Pl. 77, fig. 8. Bassler and Moodey, 1943, p. 299.
- Actinocrinus amphora* Goldfuss, 1839. Bronn, 1848, p. 14. Baily, 1875, Pl. 36, fig. 10.
- Actinocrinus amphora papillata* Quenstedt, 1876, p. 573, Pl. 110, fig. 2. Bassler and Moodey, 1943, p. 299.
- Amphoracrinus gilbertsonii* (Miller in Phillips, 1836). Dujardin and Hupé, 1862, p. 142 (sic).
- Amphoracrinus gilbertsoni* Form I (Miller in Phillips, 1836). Wright, J., 1943a, p. 86, Pls. 4, figs. 2-4, 8-10, 12-14; 5, figs. 1-9, 12-13; 6, figs. 13-15. Wright, J., 1955a, p. 194, Pls. 48, fig. 16; 49, figs. 2-4, 6, 16-17, 20; 50, figs. 3, 9; 51, figs. 15-20; Fig. 110, nos. 6-8. Hemming, 1958, p. 301. Wright, J., 1960, p. 333. Webster, 1968, p. 50.
- Amphora gilbertsoni* (Miller in Phillips, 1836). Bronn, 1860, Pl. 28, fig. 2. Bassler and Moodey, 1943, p. 299.
- Amphora* no. 2. Cumberland, 1826, p. 37, Pl. C, figs. 1, 3-4, 22. Bassler and Moodey, 1943, p. 299.
- Mitrocrinus wetherbyi* Miller and Gurley, 1894b, p. 22, Pl. 2, figs. 4-6. Miller, S. A., 1897, p. 749, Fig. 1364. Bassler, 1938, p. 135. Bassler and Moodey, 1943, p. 565 (cite F. A. Bather as "based on 6-rayed individual, probably abnormal periechocrinid or carpocrinid."). Ubaghs in Moore and Teichert, 1978, p. T518, Fig. 319, no. 1. Webster, 1986, p. 208. Ausich, 1995, p. 1188, Figs. 1-2. Mississippian, Tournaisian - Viséan, Mountain Limestone. United Kingdom, Scotland, Ireland  
Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province  
Mississippian. United States, Tennessee
- Amphoracrinus gilbertsoni* Phillips, 1836 (non Miller, 1821). Donovan, Lewis, and Kabrna, 2005, p. 301, Fig. 1, nos. a-b.  
Carboniferous Viséan, Chadian. United Kingdom, Lancashire
- Amphoracrinus gilbertsoni* Form I (Miller in Phillips), 1836 = *Amphoracrinus gilbertsocrinus*
- Amphoracrinus gilbertsoni* Form II (Miller in Phillips, 1836) = *Amphoracrinus rotundus*
- Amphoracrinus gilbertsoni* Form III (Miller in Phillips, 1836) = *Amphoracrinus bollandensis*
- Amphoracrinus gilbertsoni* var. *triangularis* Wright, J., 1955a, p. 198, Pl. 49, figs. 9-14, 18. Webster, 1973, p. 50.  
Mississippian, Viséan; United Kingdom, Scotland
- Amphoracrinus gilbertsonii* (Miller in Phillips, 1836) = *Amphoracrinus gilbertsoni*
- Amphoracrinus granulatus* (Austin and Austin, 1843). Austin 1848, p. 292. Bassler and Moodey, 1943, p. 299. Wright, J., 1955a, p. 198, Pls. 52, fig. 11; 80, figs. 8, 16; Fig. 110, nos. 9-9b. Webster, 1973, p. 51. Ausich and Sevastopulo, 2001, p. 27, Pl. 1, figs. 12-13.

*Actinocrinites granulatus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1943, p. 201. Bassler and Moodey, 1943, p. 299.

*Actinocrinus granulatus* (Austin and Austin, 1843) (*non* Goldfuss, 1831). Bronn, 1848, p. 14.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland, United Kingdom

*Amphoracrinus inflatus* Whitfield, 1893 = *Amphoracrinus spinobrachiatus* = *Ancalocrinus spinobrachiatus*

*Amphoracrinus jerseyensis* Worthen, 1890 = *Agaricocrinus jerseyensis*

*Amphoracrinus jessieae* Miller and Gurley, 1896 = *Actinocrinus jessieae* = *Actinocrinites jessieae* = *Nunnacrinus jessieae*

*Amphoracrinus jessieae* Miller and Gurley, 1896. Ausich and Kammer, 2008b, p. 1143. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Amphoracrinus multiramosus* Meek and Worthen, 1866 = *\*Dilatocrinus multiramosus*

*Amphoracrinus planobasalis* Meek and Worthen, 1866 = *Amphoracrinus divergens* = *Displodocrinus divergens*

*Amphoracrinus portlocki* Wright, J., 1955a, p. 203, Pls. 48, fig. 5; 50, figs. 15-18, 21. Webster, 1973, p. 51.

*Amphoracrinus amphora* Gilbertson *in* Portlock, 1843, p. 347, Pl. 15, figs. 4-6. Wright, J., 1955a, p. 203. Webster, 1973, p. 51.

*Acrocrinus amphora* (Gilbertson *in* Portlock, 1843). Miller, S. A., 1897, p. 730. Abel,

1920, p. 264, Fig. 410. Schmidt, H., 1929, p. 84, Fig. 21. Mississippian, ?Tournaisian. Ireland

*Amphoracrinus pseudoturgidus* Chen and Yao, 1993, p. 29, Pl. 4, figs. 8-9; Fig. 11, nos. a-c. Webster, Waters, and Chen, 2009, p. 138, Fig. 6, nos. g-j. Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Amphoricrinus quadraspinus* (White, 1862) = *Displodocrinus quadraspinus*

*Amphoracrinus rouchi* Delpey, 1941 = *Ectocrinus rouchi*

*Amphoracrinus rotundus* Wright, J., 1955a, p. 199, Pls. 48, fig. 13; 49, figs. 1, 5, 7-8, 15. Webster, 1973, p. 51. Donovan, 1992c, p. 41, Fig. 7, no. K. Donovan and Lewis,

2003, p. 1, Pl. 1, fig. 4.

*Amphoracrinus gilbertsoni* Form II (Miller *in* Phillips, 1836). Wright, J., 1943a, p. 87, Pls. 4, figs. 1, 5; 5, fig. 10. Wright, J., 1955a, p. 199. Webster, 1973, p. 51.

Mississippian, Viséan. United Kingdom, Scotland



- Amphoracrinus rugosus* (Rofe, 1865). Bassler and Moodey, 1943, p. 299.  
*Actinocrinus (Amphoracrinus) rugosus* Rofe, 1865b, p. 245 (not defined). Bassler and Moodey, 1943, p. 299.  
 Mississippian, Tournaisian, Mountain Limestone. United Kingdom
- Amphoracrinus rupinus* Webster and Lane, 1987, p. 10, Fig. 5, nos. 3-7. Webster, 1993, p. 24.  
 Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada
- Amphoracrinus sampsoni* Miller and Gurley, 1896 = *Corocrinus sampsoni* =  
*Aryballocrinus sampsoni*
- Amphoracrinus sedaliensis* Miller and Gurley, 1895 = *Actinocrinites sedaliensis*
- Amphoracrinus spinobrachiatus* (Hall, 1859) = \**Ancalocrinus spinobrachiatus*
- Amphoracrinus? spinobrachiatus* (Hall, 1859) = \**Ancalocrinus spinobrachiatus*
- Amphoracrinus subturbinatus* Meek and Worthen, 1860 = *Dorycrinus subturbinatus*
- Amphoracrinus tessellatus* (Phillips, 1836). Billings, E., 1869-1870, p. 72.  
 Mississippian, Tournaisian, Mountain Limestone. United Kingdom
- Amphoracrinus turgidus* Wright, J., 1943a, p. 88, Pl. 6, figs. 1-3, 5-7. Moore, 1948, p. 390, Fig. 11. Wright, J., 1955a, p. 201, Pls. 49, fig. 19; 50, figs. 1-2, 4, 6-8.  
 Webster, 1973, p. 51. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 2.  
 Mississippian, Viséan. United Kingdom, Scotland
- Amphoracrinus viminalis* (Hall, 1863). Miller, S. A., 1889, p. 223, Fig. 244. Miller, S. A., 1897, p. 734. Wachsmuth and Springer, 1897, p. 590, Pl. 54, fig. 8. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 300. Ausich and Roeser, 2012, p. 489, Figs. 1, 2, 3.1, 3.2, 4.,  
*Actinocrinus viminalis* Hall, 1863b, p. 54. Hall, 1864a, p. 54. Shumard, 1868, p. 350. Hall and Whitfield, 1875c, p. 165, Pl. 11, figs. 12-14. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 83.  
 Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation. United States, Ohio
- Amphoracrinus* spp.  
 Minato, 1951, p. 360. Webster, 1973, p. 51.  
 Mississippian. Japan  
 Kues, 1982, Unnum. Fig. p. 108, no. B. Webster, 1988, p. 35.  
 Mississippian. no locality data  
 Kammer, 1984, p. 117, Fig. 2, no. A. Webster, 1988, p. 35.  
 Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale.  
 United States, Kentucky  
 Webster and Waters, 2009, p. 272, Fig. 3, nos. M-O.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur Autonomous Region

**AMPHORACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus amphora* Wachsmuth and Springer, 1897.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae  
Moore and Strimple, 1969a, p. 9. Webster, 1977, p. 38. Moore and Strimple *in* Moore and Teichert, 1978, p. T479. Arendt and Stupachenko, 1983, p. 70. Arendt and Stupachenko, 1984, p. 72. Webster, 1986, p. 56. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 35.  
Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan - Serpukhovian species  
Mississippian, Viséan - Serpukhovian (late Meramecian - late Chesterian). United States, Alabama

\**Amphoracrocrinus amphora* (Wachsmuth and Springer, 1897). Moore and Strimple, 1969a, p. 9, Figs. 1, no. 3; 2, nos. 4-8. Webster, 1977, p. 38. Ubaghs *in* Moore and Teichert, 1978, p. T129, T143, Figs. 101, no. 1; 113, no. 8. Moore and Strimple *in* Moore and Teichert, 1978, p. T480, Figs. 282, no. 2; 283, no. 2. Burdick and Strimple, 1983a, p. 194, Pl. 14, fig. 10. Broadhead, 1985, p. 211, Fig. 4, no. A. Webster, 1986, p. 56. Webster, 1988, p. 35.  
*Acrocrinus amphora* Wachsmuth and Springer, 1897, p. 808, Pl. 80, figs. 4-9. Weller, S., 1898c, p. 54. Bather *in* Lankester, 1900, p. 159, Fig. 73. Abel, 1924, p. 276, Fig. 410. Springer, 1926b, p. 45, Pls. 9, figs. 8-9; 12, figs. 8-9; 18, fig. 4. Bassler and Moodey, 1943, p. 265. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 3. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 15. Cuénot, 1948, p. 69, Fig. 91. Ubaghs, 1953, p. 741, Fig. 2. Moore and Strimple, 1969a, p. 9. Webster, 1973, p. 34. Webster, 1977, p. 38.  
Mississippian, Viséan - Serpukhovian (late Meramecian - late Chesterian), St. Louis Limestone; Monteagle Limestone; Gasper Formation. United States, Alabama

**AMPHORICRINUS** Zittel, 1880 = **AMPHORACRINUS**

**AMPULLACRINUS** Webster et al., 2004. \**Ampullacrinus marieae* Webster et al., 2004.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Webster et al, 2004, p. 45, Fig. 6E.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Serpukhovian species

Mississippian, Serpukhovian, E1-E2. Algeria

\**Ampullacrinus marieae* Webster et al., 2004, p. 46, Pl. 12, figs. 1-10; Fig. 6, nos. B-E. *Fifeocrinus* cf. *F. tielensis* (Wright, 1936). Burdick and Strimple, 1983a, p. 137, Pl. 9, fig. 9. Webster, 1988, p. 87.  
cf. *Fifeocrinus tielensis* (Wright, 1936). Webster et al., 2004, p. 46.

Mississippian, Serpukhovian, E2, Aïn el Mizab Formation, Mouizeb el Atchane Member. Algeria

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama

*Ampullacrinus tritubulus* Webster et al., 2004, p. 47, Pl. 11, figs. 17-23; Fig. 6, no. A. Mississippian, Serpukhovian, E1-E2, Aïn el Mizab Formation, Mouizeb el Atchane Member and Djenien Formation, Djenien Member. Algeria

**ANAGLYPTOCRINUS** Webster and Jell, 1999. \**Anaglyptocrinus willinki* Webster and Jell, 1999.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae Webster and Jell, 1999b, p. 295.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, late Artinskian. Australia, New South Wales

\**Anaglyptocrinus willinki* Webster and Jell, 1999b, p. 296, Fig. 7, nos. A-B.

Permian, late Artinskian, Wandrawandian Siltstone. Australia, New South Wales

Anal tube of a crinoid? Whidborne, 1895, p. 212, Pl. 24, figs. 2-2a.

Devonian, Famennian?. United Kingdom, Irummaton

**ANAMALOCRINUS** Ausich, 1988 = **ANOMALOCRINUS**

**ANAMESOCRINUS** Goldring, 1923. \**A. lutheri* Goldring, 1923.

Sbc. Disparida, Spf. Allagecrinoidea, F. Anamesocrinidae

Goldring, 1923, p. 323. Bassler, 1938, p. 40. Moore and Laudon, 1943b, p. 30, Fig. 3. Moore and Laudon, 1944, p. 147, Pl. 52, fig. 1. Ubaghs, 1953, p. 746, Fig. 140, no. D. Moore, 1962b, p. 12, Fig. 3, no. 5. Webster, 1973, p. 51. Moore and Strimple *in* Moore and Teichert, 1978, p. T547. Webster, 1986, p. 56.

Sevastopulo and Lane, 1988, p. 251. Clement, 1988, p. 109. Webster, 1988, p. 35. Webster, 1993, p. 24. Rozhnov, 2002, p. 587, Fig. 45, nos. a-b (diagramatic). Webster and Waters, 2009, p. 273.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Givetian-Frasnian, 1 Famennian

Devonian, Givetian - Famennian. United States, New York

Devonian, Famennian. China, Xinjiang-Uyghur Autonomous Region

\**Anamesocrinus lutheri* Goldring, 1923, p. 324, Pl. 40, figs. 6-9; Fig. 53. Goldring, 1935a, p. 342, Pl. 24, figs. 1-9. Bassler, 1938, p. 40. Bassler and Moodey, 1943, p. 300. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 14. Moore and Laudon, 1944, p. 147, Pl. 56, fig. 12. Webster, 1973, p. 51. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 85, no. 2. Moore and Strimple *in* Moore and Teichert, 1978, p. T547, Fig. 341, no. 3. Rozhnov, 1985b, p. 12, Fig. 6. Rozhnov, 1986, p. 7, Fig. 6. Webster, 1986, p. 57. Clement, 1988, p. 109, Figs. 1-3. Webster, 1988, p. 35. Webster, 1993, p. 24.

Devonian, Givetian – Frasnian, Chemung Group, Laona Sandstone, Alfred Shale.

United States, New York

*Anamesocrinus tieni* Webster and Waters, 2009, p. 273, Fig. 4, nos. A-K.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
Autonomous Region

*Anamesocrinus* n. sp. Haude, 2004b, p. 240, Pl. 1, figs. 1-3, 14; Fig. 3.  
Devonian, late Famennian, Middle *expansa* Biozone. Germany

**ANARCHOCRINUS** Jaekel, 1918. \**A. rossicus* Jaekel, 1918.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinidae  
Jaekel, 1918, p. 51. Bassler, 1938, p. 40. Bassler and Moodey, 1943, p. 300. Moore  
and Laudon, 1943b, p. 51. Ubaghs, 1953, p. 750. Arendt and Hecker, 1964, p.  
83. Webster, 1973, p. 51. Lane and Moore *in* Moore and Teichert, 1978, p.  
T582.

Webster, 1986, p. 57.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian - Katian species

Ordovician, Sandbian – Katian (Caradocian). Estonia

\**Anarchocrinus rossicus* Jaekel, 1918, p. 50, Fig. 39. Bassler, 1938, p. 40. Bassler  
and Moodey, 1943, p. 300. Arendt and Hecker, 1964, p. 83, Fig. 121. Webster,  
1973, p. 51. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 373,  
no. 4. Webster, 1986, p. 57.

Ordovician, Sandbian – Katian (Caradocian), Wassalem Beds. Estonia

**ANARTIOCRINUS** Kirk, 1940. \**A. lyoni* Kirk, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Agassizocrinidae

Kirk, 1940b, p. 47, Pl. 1, figs. 1-5. Bassler and Moodey, 1943, p. 300. Moore and  
Laudon, 1943b, p. 62. Moore and Laudon, 1944, p. 177. Arendt and Hecker,  
1964, p. 91. Webster, 1973, p. 51. Strimple, Frest, and Miller, 1977, p. 31.

Moore,

Lane, and Strimple *in* Moore and Teichert, 1978, p. T682. Burdick and Strimple,  
1983a, p. 110. Webster, 1986, p. 57. Chestnut and Etensohn, 1988, p. 45, Figs.  
10, 23. Webster, 1988, p. 36. Lane and Sevastopulo, 1990, p. 336. Webster,  
1993, p. 24.

Named, currently recognized species based on cups or crowns: 2 Mississippian,  
species, 1 Viséan – Serpukhovian, 1 Serpukhovian

Mississippian, Serpukhovian (Chesterian). United States, Ohio, Kentucky, Alabama

\**Anartiocrinus lyoni* Kirk, 1940b, p. 47, Pl. 1, figs. 1-5, 9. Bassler and Moodey, 1943, p.  
300. Strimple, Frest, and Miller, 1977, p. 32, Pl. 1, figs. e-g. Ubaghs *in* Moore  
and Teichert, 1978, p. T136, Fig. 108, no. 3. Moore, Lane, and Strimple *in*  
Moore

and Teichert, 1978, p. T682, Fig. 450, no. 5. Webster, 1986, p. 57. Chestnut and  
Etensohn, 1988, p. 45, Pl. 4, figs. 7-9, 11. Webster, 1993, p. 24.

*Agassizocrinus inequidactylus* Springer, 1926b (*non Cyathocrinus inequidactylus* Whitfield, *non* M'Coy), p. 57, Pl. 15, figs. 10-13. Bassler and Moodey, 1943, p. 300.

Mississippian, Serpukhovian (middle Chesterian), Pennington Formation, Glen Dean Limestone; Bangor Formation; Clore Formation. United States, Kentucky, Alabama

*Anartiocrinus maxvillensis* (Whitfield, 1891). Kirk, 1940b, p. 48, Pl. 1, figs. 6-8. Bassler and Moodey, 1943, p. 300. Moore and Laudon, 1944, p. 177, Pl. 61, fig. 11. Webster, 1973, p. 51. Strimple, Frest, and Miller, 1977, p. 33, Pl. 1, figs. a-d. Burdick and Strimple, 1983a, p. 112, Pl. 12, figs. 6, 9, 14, 16. Webster, 1986, p. 57. Webster, 1988, p. 36.

*Cyathocrinus maxvillensis* Whitfield, 1891, p. 219. Whitfield, 1893a, p. 465, Pl. 9, figs. 5-8. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 202. Grabau and Shimer, 1910, p. 507, Fig. 1820. Morse, 1911, p. 361, Fig. 3, nos. a-d. Bassler and Moodey, 1943, p. 300.

*Cyathocrinus inequidactylus* Whitfield, 1882c, p. 219. Miller, S. A., 1889, p. 236. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 300.

Mississippian, Viséan - Serpukhovian (Chesterian), Maxville Limestone, Glen Dean Formation, Bangor Limestone, Clore Formation. United States, Ohio, Alabama, Kentucky

*Anartiocrinus* cf. *maxvillensis* (Whitfield, 1891). Chestnut and Etensohn, 1988, p. 46, Pl. 4, fig. 10. Webster, 1993, p. 24.

Mississippian, Serpukhovian (Chesterian), Golconda Limestone. United States, Illinois

**ANCALOCRINUS** Webster and Lane, 1987. \**Actinocrinus spinobrachiatus* Hall, 1859. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Amphoracrinidae

Webster and Lane, 1987, p. 17. Webster, 1993, p. 24. Webster et al., 2004, p. 19. Ausich and Kammer, 2008b, p. 1144.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States, Iowa, Nevada

\**Ancalocrinus spinobrachiatus* (Hall, 1859). Webster and Lane, 1987, p. 17, Fig. 7, nos. 11-13. Webster, 1993, p. 25. Ausich and Kammer, 2008b, p. 1144, Figs. 2, 1-2.3, 2.5, 2.6.

*Actinocrinus spinobrachiatus* Hall, 1859a, p. 6, Fig. 6. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 300. Webster and Lane, 1987, p. 17. Webster, 1993, p. 25.

*Amphoracrinus?* *spinobrachiatus* (Hall, 1859). Meek and Worthen, 1873, p. 389, Pl. 6, figs. 5a-5c. Wachsmuth and Springer, 1897, p. 478, Pl. 62, figs. 1-4. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 300. Webster and Lane, 1987, p. 17. Webster, 1993, p. 25.

*Amphoracrinus spinobrachiatus* (Hall, 1859). Miller, S. A., 1889, p. 223. Weller, S., 1898c, p. 83. Grabau and Shimer, 1910, p. 527, Fig. 1854.

*Actinocrinus inflatus* Hall, 1859a, p. 20, Unnum. Fig. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 300.

*Amphoracrinus inflatus* (Hall, 1859). Miller, S. A., 1889, p. 223. Whitfield, 1893b, p. 22, Pl. 2, figs. 10-11. Miller, S. A., 1897, p. 734. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 300.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Anchor Limestone. United States, Iowa, Nevada

**ANCHICRINUS** Strimple and Watkins, 1969. \**A. toddi* Strimple and Watkins, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Laudonocrinidae

Strimple and Watkins, 1969, p. 206. Strimple and Moore, 1971a, p. 19. Moore and Strimple, 1973, p. 47. Webster, 1977, p. 38. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663. Webster, 1986, p. 57. Webster, 1993, p. 25.

Named, currently recognized species based on cups or crowns: 5 Pennsylvanian species. 2 Morrowan, 1 Atokan, 1 Desmoinesian, 1 Missourian Pennsylvanian, Morrowan - Desmoinesian. North America

*Anchicrinus echinosacculus* Strimple, 1975e, p. 8, Fig. 4, nos. 1-5. Webster, 1986, p. 57.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Anchicrinus planulatus* Moore and Strimple, 1973, p. 47, Pl. 6, figs. 1a- 4b. Strimple and Nassichuk, 1974, p. 1151, Pl. 1, Figs. 8-10. Webster, 1977, p. 38. Strimple, 1980b, p. 9, Pl. 1, figs. 15-18. Webster, 1986, p. 57.

Pennsylvanian, Morrowan, Brentwood Member; La Pasada Formation. United States, Oklahoma, Arkansas, New Mexico  
Pennsylvanian, Morrowan, Otto Fiord Formation. Canada, Ellesmere Island

*Anchicrinus roberti* Burke, 1974a, p. 166, Figs. 16-21. Webster, 1977, p. 39.

Pennsylvanian, Missourian (Conemaughian), Ames Limestone. United States, West Virginia

*Anchicrinus rugosus* (Strimple, 1961). Moore and Strimple, 1973, p. 48, Pl. 7, figs. 1a-5d. Webster, 1977, p. 39.

*Stenopecrinus rugosus* Strimple, 1961g, p. 42, Pls. 2, figs. 4-5; 14, fig. 7; Fig. 7, nos. a-b. Moore and Strimple, 1973, p. 47. Webster, 1973, p. 244. Webster, 1977, p. 39.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Member. United States, Oklahoma

\**Anchicrinus toddi* Strimple and Watkins, 1969, p. 207, Pls. 43, figs. 1-2, 8-11, 14-15; 48, figs. 1-2. Webster, 1977, p. 38. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663, Fig. 437, no. 2. Webster, 1986, p. 58.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

*Anchicrinus* sp. A Strimple, 1975e, p. 8, Fig. 5, nos. 1-2. Webster, 1986, p. 58. Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Anchicrinus* sp. B Strimple, 1975e, p. 9, Fig. 6, nos. 7-9. Webster, 1986, p. 58. Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Anchicrinus* sp. indet. Hashimoto, 1984, p. 8, Pl. 2, figs. 2a-2c; Fig. 4, nos. 5a-5b. Webster, 1993, p. 25.

Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan

**ANCISTROCRINUS** Wanner, 1924. \**A. vermistriatus* Wanner, 1924.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Prophylocrinidae

Wanner, 1924, p. 89, 119. Wanner, 1930, p. 44. Bassler, 1938, p. 40. Bassler and Moodey, 1943, p. 301. Moore and Laudon, 1943b, p. 74. Branson, C. C., 1948, p. 179. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 51. Moore *in* Moore and Teichert, 1978, p. T788, Figs. 5-6, no. 18d. Webster, 1986, p. 58.

Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain

Permian, series uncertain. Timor

*Ancistrocrinus depressus* Wanner, 1930b, p. 45, Pl. 4, figs. 5-8; Fig. 28. Bassler and Moodey, 1943, p. 301. Branson, C. C., 1948, p. 179. Moore *in* Moore and Teichert, 1978, p. T788, Fig. 528, no. 3. Webster, 1986, p. 58.

Permian, series uncertain. Timor

\**Ancistrocrinus vermistriatus* Wanner, 1924, p. 119, Pl. 6, figs. 10-13. Wanner, 1930, p. 44, Pl. 3, figs. 20-21. Bassler, 1938, p. 40. Bassler and Moodey, 1943, p. 301. Branson, C. C., 1948, p. 179. Moore *in* Moore and Teichert, 1978, p. T788, Fig. 529, no. 2. Webster, 1986, p. 58.

Permian, series uncertain. Timor

**ANCORACRINUS** Webster and Lane, 1987. \**A. typus* Webster and Lane, 1987.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae

Webster and Lane, 1987, p. 49. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 25.

Named, currently recognized species based on cups or crowns: 1 Mississippian Viséan species

Mississippian, Viséan (Osagean). United States, Nevada

\**Ancoracrinus typus* Webster and Lane, 1987, p. 50, Figs. 8, nos. 1-3; 12 (misspelled as *Ancorachrinus typus* on explanation of Fig. 8). Webster, 1993, p. 25.

Mississippian, Viséan (Osagean), lower part of Anchor Limestone. United States,

## Nevada

*ANCYNOCRINUS* Cieszkowski, 1979 = ***ANCYROCRINUS******ANCYROCRINUS*** Hall, 1862. \**A. bulbosus* Hall, 1862.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
Hall, 1862a, p. 89. Hall, 1862b, 117, Unnum. Fig. p. 118. Bassler, 1938, p. 40.

Moore and Laudon, 1943b, p. 103. Ubaghs, 1953, p. 752, Fig. 120. Arendt and Hecker, 1964, p. 86. Moore and Jeffords, 1968, p. 11, Fig. 1, no. 7. McIntosh and Schreiber, 1971, p. 387. Webster, 1973, p. 51. Webster, 1977, p. 39. Moore and Lane *in* Moore and Teichert, 1978, p. T614. Webster, 1986, p. 58. Webster, 1988, p. 36. Webster et al., 2008, p. 15. LeMenn, 2009, p. 472, Fig. 7.30, no. g.

*ANCYNOCRINUS* Cieszkowski, 1979, p. 76, Fig. 1, no. 3 (sic).

Named, currently recognized species based on cups or crowns: 3 Devonian species,  
1 Pragian, 1 Eifelian, 1 Givetian

Devonian, Pragian - Givetian. United States; Canada

Devonian, Eifelian. France

*Ancyrocrinus armoricanus* Morzadec, 1967, p. 27, Pl. 1, figs. 1-6; Figs 1-2. Webster, 1973, p. 52.

Devonian, Eifelian (Couvinian). France, Brittany

\**Ancyrocrinus bulbosus* Hall, 1862a, p. 90, Pl. 1, figs. 25-26. Hall, 1862b, p. 118, Pl. 1, figs. 25-26. Miller, S. A., 1889, p. 223. Kirk, 1911, p. 46, Pl. 5, fig. 9. Springer, 1917, p. 10, Pl. 5, figs. 7-10. Goldring, 1923, p. 456, Pl. 59, fig. 14. Roy, 1929, p. 204, Pl. 33, figs. 1-10. Ehrenberg, 1929, p. 11, Figs. 7-8, 10. Bassler, 1938, p. 40. Goldring, 1942, p. 15, Pl. 4; Figs. 1-2. Bassler and Moodey, 1943, p. 301. Cuénot, 1948, p. 34, Fig. 42. Ubaghs, 1953, p. 752, Fig. 120. Yakovlev, 1964b, p. 67, Fig. 96. McIntosh and Schreiber, 1971, p. 388, Pls. 1-4; Figs. 2-4. Webster, 1973, p. 52. Webster, 1977, p. 39. Ubaghs *in* Moore and Teichert, 1978, p. T102, Fig. 75, nos. 1-2. Moore and Lane *in* Moore and Teichert, 1978, p.

T614, Fig. 396, no. 4. Brett, 1981b, p. 348, Fig. 5, no. A. Webster, 1986, p. 58. Webster, 1988, p. 36. Ausich et al. *in* Hess et al., 1999 p. 15, Fig. 20.

*Ancyrocrinus spinosus* Hall, 1862a, p. 91, Pl. 1, figs. 27-28. Hall, 1862b, p. 119, Pl. 1, figs. 27-28. Miller, S. A., 1889, p. 223. Ehrenberg, 1929, p. 15, Fig. 11.

Bassler and Moodey, 1943, p. 301. McIntosh and Schreiber, 1971, p. 388. Webster, 1977, p. 39.

Devonian, Givetian, Moscow Shale; Ludlowville Shale; Ipperwash Limestone; Sellersburg Limestone. United States, New York, Pennsylvania, Indiana; Canada, Ontario

*Ancyrocrinus quinquepartitus* Goldring, 1923, p. 458, Pl. 59, figs. 15-16. Ehrenberg, 1929, p. 14, Fig. 9. Bassler and Moodey, 1943, p. 301.

Devonian, Pragian, Glenerie Limestone. United States, New York

*Ancyrocrinus spinosus* Hall, 1862 = \**Ancyrocrinus bulbosus*



*Ancyrocrinus* spp.

Jell, 1999a, p. 98, Fig. 78, nos. A-B.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria  
Seilacher and MacClintock, 2005, p.231, Fig. 9 (diagramatic).

Early Devonian, no locality given

**ANECHOCRINUS** Webster, 1990. \**A. nalbiaensis* Webster, 1990.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Stellarocrinidae

Webster, 1990, p. 66. Webster, 1993, p. 25.

Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species

Permian, Artinskian. Australia, Western Australia

\**Anechocrinus nalbiaensis* Webster, 1990, p. 67, Pl. 2, figs. 11-13. Webster, 1993, p.  
25.

Permian, Artinskian, Wandagee Formation. Australia, Western Australia

**ANEMATOCRINUS** Lane and Sevastopulo, 1990 = **ANEMETOCRINUS****ANEMETOCRINUS** Wright, 1938. \**A. biserialis* Wright, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Wright, J., 1938b, p. 339. Bassler and Moodey, 1943, p. 301. Moore and Laudon,  
1943b, p. 59. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p.  
6. Webster, 1973, p. 52. Webster, 1977, p. 39. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T640. Webster, 1986, p. 58. Webster, 1993, p. 25.

**ANEMATOCRINUS** Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 25.

Named, currently recognized species based on cups or crowns: 5 Mississippian,  
Viséan species

Mississippian, Viséan. United Kingdom, Scotland

*Anemetocrinus adrossensis* Wright, J., 1938b, p. 340, Pl. 13, figs. 4, 6-7; Fig. 2. Wright,  
J., 1939, p. 45, Pl. 8, figs. 4, 7; Fig. 61. Bassler and Moodey, 1943, p. 301.

Wright, J., 1951a, p. 27, Pl. 7, figs. 3-4, 6; Fig. 6. Webster, 1973, p. 52. Moore  
and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 419, no. 2c. Webster,  
1986, p. 58.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

\**Anemetocrinus biserialis* Wright, J., 1938b, p. 339, Pls. 13, fig. 9; 14, fig. 7; Fig. 1.

Wright, J., 1939, p. 43, Pls. 2, figs. 3-4; 9, fig. 11; Fig. 60. Bassler and Moodey,  
1943, p. 301. Wright, J., 1950, p. 24, Pl. 7, figs. 1-2, 5, 8-9; Fig. 5 (*non* Figs. 5-8  
as given). Webster, 1973, p. 52. Moore and Strimple *in* Moore and Teichert,  
1978, p. T640, Fig. 419, nos. 2a-2b. Webster, 1986, p. 59.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Anemetocrinus covensis* (Wright, 1934). Wright, J., 1938b, p. 342, Pl. 13, fig. 5; Fig. 4.

Wright, J., 1939, p. 46, Pl. 8, fig. 3; Figs. 63, 65. Bassler and Moodey, 1943, p.

302. Wright, 1951a, p. 28, Pl. 7, fig. 7; Fig. 7. Webster, 1973, p. 52.  
*Scytalocrinus covensis* Wright, J., 1934, p. 250, Pl. 14, fig. 1; Fig. 21. Bassler and Moodey, 1943, p. 302.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

*Anemetocrinus pentonensis* (Wright, 1934). Wright, J., 1938b, p. 341, Pl. 13, fig. 1; Fig. 3. Wright, J., 1939, p. 45, Pl. 8, fig. 6; Figs. 62, 64. Bassler and Moodey, 1943, p. 302. Wright, J., 1951a, p. 28, Pl. 7, fig. 10; Fig. 8. Webster, 1973, p. 52.

*Scytalocrinus pentonensis* Wright, J., 1934, p. 250, Pl. 14, fig. 5; Fig. 20. Bassler and Moodey, 1943, p. 302.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Anemetocrinus wilsoni* Wright, J., 1952b, p. 323, Pl. 13, fig. 10; Figs. 3-4. Wright, J., 1954b, p. 170, Pl. 3, figs. 5-6. Wright, J., 1960, p. 330, Appendix, Pls. A, fig. 12; B, figs. 3-4. Webster, 1973, p. 52.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

**ANGELINOCRINUS** Jaekel, 1918 = **BRIAROCRINUS**

\**Angelinocrinus angustus* Angelin, 1878 = *Briarocrinus angustus*

Angeschwemmter Crinoidenrest Bartels and Brassel, 1990, p. 174, Fig. 159.  
 Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

**ANISOCRINUS** Angelin, 1878. \**A. interradius* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinina, Spf. Sagenocrinitoidea, F. Homalocrinidae

Angelin, 1878, p. 13. Wachsmuth and Springer, 1879, p. 260. Wachsmuth and Springer, 1880, p. 37. Zittel, 1880, p. 343, 356. Zittel, 1895, p. 138. Bather in Lankester, 1900, p. 189. Wachsmuth in Zittel, 1900, p. 164. Springer, 1902, p. 94. Springer, 1906, p. 479. Springer in Zittel, 1913, p. 203. Bassler, 1915, p. 45. Springer, 1920a, p. 160. Springer, 1926a, p. 65. Bassler, 1938, p. 41. Bassler and Moodey, 1943, p. 302. Moore and Laudon, 1943b, p. 74, Fig. 11. Moore and Laudon, 1944, p. 181, Pl. 66, fig. 4. Ubaghs, 1953, p. 756, Fig. 15, no. c. Arendt and Hecker, 1964, p. 94. Brower, 1973, p. 466, Fig. 45. Webster, 1973, p. 52. Webster, 1977, p. 39. Frest and Strimple, 1978a, p. 689, Fig. 2, no. A. Moore in Moore and Teichert, 1978, p. T794, Figs. 506, no. 4a; 507, no. 3a. Webster, 1986, p. 59. Ausich and Copper, 2010, p. 62.

Named, currently recognized species based on cups or crowns: 5 species. 1

Ordovician, Hirnantian; 4 Silurian, 3 Wenlockian, 1 Wenlockian – Ludlovian

Ordovician, Hirnantian. Canada, Quebec

Silurian, Wenlockian. Sweden

Silurian, Wenlockian – Ludlovian. United States

*Anisocrinus angelini* Wachsmuth and Springer, 1879, p. 260. Wachsmuth and Springer, 1880, p. 37. Springer, 1906, p. 480, Pl. 6, fig. 10. Springer, 1920a, p. 163, Pl. 10, figs. 4a-4b. Springer, 1926a, p. 66, Pl. 20, fig. 19. Bassler and Moodey, 1943, p. 302.

*Lecanocrinus macropetalus* Angelin, 1878, p. 12, Pls. 19, figs. 3-4; 22, fig. 24.  
Bassler and Moodey, 1943, p. 302.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Anisocrinus greenei* (Miller and Gurley, 1896). Bassler, 1915, p. 45. Springer, 1920a, p. 163, Pl. 10, figs. 8-9. Bassler and Moodey, 1943, p. 302. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 8. Ubaghs, 1953, p. 756, Fig. 15, no. c. Webster, 1973, p. 52. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 3. Webster, 1986, p. 59.

*Lecanocrinus greenei* Miller and Gurley, 1896a, p. 52, Pl. 3, fig. 28. Miller, S. A., 1897, p. 748, Fig. 1363. Bassler, 1915, p. 45. Bassler and Moodey, 1943, p. 302.

Silurian, latest Wenlockian - Ludlovian, Louisville Limestone; Beech River Formation. United States, Kentucky, Tennessee

*Anisocrinus greenei* Springer, 1926 (*non* Miller and Gurley, 1896) = *Anisocrinus?* sp.

\**Anisocrinus interradius* Angelin, 1878, p. 13, Pl. 22, figs. 18-18a. Springer, 1906, p. 479, Pl. 6, fig. 9. Springer, 1920a, p. 162, Pl. 10, figs. 1-3b. Bassler, 1938, p. 41. Bassler and Moodey, 1943, p. 302. Moore *in* Moore and Teichert, p. T794, Figs. 533, no. 1; 534, nos. 1a-1c. Webster, 1986, p. 59.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Anisocrinus?* *irregularis* Springer, 1920 = \**Paranisocrinus irregularis*

*Anisocrinus laurelensis* Frest and Strimple, 1978a, p. 689, Figs. 2, no. A; 3, nos. A-F. Webster, 1986, p. 59.

Silurian, Wenlockian, Salamonie Dolomite, Laurel Member. United States, Indiana

*Anisocrinus oswegoensis* (Miller and Gurley, 1894) = *Proanisocrinus oswegoensis*

*Anisocrinus prinstaensi* Ausich and Copper, 2010, p. 61, Pl. 12, fig. 4. Fig 10.2. Ordovician, Hirnantian, Ellis Bay Formation, Prinsta Member. Canada, Quebec, Anticosti Island

*Anisocrinus?* sp. Frest and Strimple, 1978a, p. 691. Webster, 1986, p. 59.

*Anisocrinus greenei* Springer, 1926a (*non* Miller and Gurley, 1896), p. 66, Pl. 20, figs. 16-17. Frest and Strimple, 1978a, p. 691. Webster, 1986, p. 59.

Silurian, Ludlovian, Brownsport Formation. United States, Tennessee

*Ankerocrinus* sp. Howell, 1995, p. 99, Pl. 4, fig. 4.

No age or locality given

**ANOBASICRINUS** Strimple, 1961. \**A. bulbosus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Anobasicrinidae

Strimple, 1961g, p. 114. Strimple and Moore, 1971a, p. 22. Moore and Strimple, 1973, p. 53. Webster, 1973, p. 52. Webster, 1977, p. 39. Moore, Lane, and

Strimple *in* Moore and Teichert, 1978, p. T679. Webster, 1986, p. 59. Webster, 1993, p. 25.

Named, currently recognized species based on cups or crowns: 9 Pennsylvanian species. 2 Morrowan, 3 Desmoinesian, 2 Missourian, 1 Desmoinesian-Missourian, 1 Missourian-Virgilian  
Pennsylvanian, Morrowan - Virgilian. United States

*Anobasicrinus azygous* (Strimple, 1949). Lewis and Strimple, 1990, p. 298. Webster, 1993, p. 25.

*Malaiocrinus azygous* Strimple, 1949d, p. 19, Pl. 3, figs. 4, 8-9, 12. Strimple, 1961g, p. 100. Webster, 1973, p. 235. Webster, 1993, p. 25.

*Schistocrinus azygous* (Strimple, 1949). Strimple 1961g, p. 100, Pl. 9, figs. 1-2.

Webster, 1973, p. 235. Lewis and Strimple, 1990, p. 298. Webster, 1993, p. 25. Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Anobasicrinus braggisi* (Strimple, 1951). Strimple, 1961g, p. 114. Webster, 1973, p. 52.

*Plummericrinus braggisi* Strimple, 1951c, p. 17, Pl. 3, figs. 9-12. Webster, 1973, p. 52.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Anobasicrinus brevis* Strimple and Moore, 1971a, p. 23, Pl. 4, figs. 3a-c. Webster, 1977, p. 39. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680, Fig. 448, nos. 1d-1f. Pabian and Strimple, 1980b, p. 16, Pl. 5, figs. 7-9. Webster, 1986, p. 59.

Pennsylvanian, Missourian - Virgilian, Bond Formation, LaSalle Limestone Member; Cass Formation, Haskell Limestone Member. United States, Illinois, Nebraska

\**Anobasicrinus bulbosus* Strimple, 1961g, p. 115, Pls. 3, figs. 1-3; 7, figs. 1-3; Fig. 21. Webster, 1973, p. 52. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T679, Fig. 448, nos. 1a-1c. Webster, 1986, p. 60.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Anobasicrinus erectus* (Strimple, 1951). Strimple, 1961g, p. 115. Webster, 1973, p. 52.

*Aesiocrinus erectus* Strimple, 1951d, p. 191, Figs. 9-12. Webster, 1973, p. 52. Pabian and Rushlau, 2002, p. 32.

Pennsylvanian, Desmoinesian - Missourian, Oologah Limestone; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois

*Anobasicrinus granulatus* (Strimple, 1954). Strimple, 1961g, p. 115. Webster, 1973, p. 53.

*Plummericrinus granulatus* Strimple, 1954a, p. 207, Pl. 23, figs. 6-7. Webster, 1973, p. 53.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Anobasicrinus obscurus* Strimple, 1961g, p. 120, Pl. 7, figs. 4-7; Fig. 20. Moore and Strimple, 1971, p. 53, Pl. 4, figs. 4a-5d. Webster, 1973, p. 53. Webster, 1977, p. 39.

Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma

*Anobasicrinus perplexus* Strimple, 1961g, p. 119. Webster, 1973, p. 53.

*Plummericrinus erectus* Strimple, 1954a, p. 206, Pl. 23, fig. 9-12. Webster, 1973, p. 53. Strimple and Moore, 1971a, p. 16, Pl. 10, figs. 1a-2. Webster, 1977, p. 143. Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Anobasicrinus praecursor* (Moore and Plummer, 1940). Strimple, 1962e, p. 23, Pl. 9, figs. 7-10. Strimple and Watkins, 1969, p. 174, Pl. 43, fig. 13. Webster, 1973, p. 53. Webster, 1977, p. 40.

*Neozeacrinus praecursor* Moore and Plummer, 1940, p. 165, Pls. 5, figs. 5, 8; 6, fig. 7; 20, fig. 5; 21, fig. 7; Fig. 29. Bassler and Moodey, 1943, p. 572. Moore and Laudon, 1944, p. 167, Pl. 63, fig. 21. Webster, 1973, p. 53. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 497, no. 1c. Webster, 1986, p. 216.

Pennsylvanian, Desmoinesian, Oologah Limestone; Millsap Lake Formation, Brannon Bridge Member. United States, Oklahoma, Texas

*Anobasicrinus* spp.

Cornwell and Cornwell, 1968, Pl. 1, fig. 8. Webster, 1977, p. 40.

Pennsylvanian: United States, Iowa

Priest, 1971, p. 94, Pl. 2, figs. 2a-2b. Webster, 1977, p. 40.

No age or locality given

*Anobasicrinus?* sp. Strimple, 1975e, p. 9, Fig. 8, nos. 1-4. Webster, 1986, p. 60.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

**ANOMALOCRINUS** Meek and Worthen, 1865. *\*Heterocrinus? (Anomalocrinus) incurvus* Meek and Worthen, 1865.

Sbc. Disparida, Spf. Anomalocrinoidea, F. Anomalocrinidae

Meek and Worthen, 1865b, p. 148. Meek and Worthen, 1868c, p. 327. Meek, 1873a,

p. 17. Wachsmuth and Springer, 1879, p. 295 (adv. pub.). Wachsmuth and Springer, 1880, p. 72. Zittel, 1880, p. 350. Wachsmuth and Springer, 1886, p. 211. Miller, S. A., 1889, p. 223. Bather, 1890b, p. 323. Bather *in* Lankester, 1900, p. 146. Wachsmuth *in* Zittel, 1900, p. 152. Cumings, 1908, p. 710. Grabau and Shimer, 1910, p. 501. Bassler, 1915, p. 47. Bassler, 1938, p. 41. Bassler and Moodey, 1943, p. 303. Moore and Laudon, 1943b, p. 31, Fig. 3. Moore and Laudon, 1944, p. 151, Pl. 52, fig. 8. Ubaghs, 1953, p. 747. Moore, 1962b, p. 14, Fig. 5, no. 7. Philip, 1963, Fig. 3, no. c. Webster, 1973, p. 53. Moore and Lane *in* Moore and Teichert, 1978, p. T555. Webster, 1986, p. 60. Webster, 1988, p. 36. Webster, 1993, p. 25.

**ANAMALOCRINUS** Ausich, 1988, p. 913, Fig. 2, no. 12.

*ATAXIACRINUS* Lyon, 1869, p. 463. \**A. caponiformis* Lyon, 1869. Bassler, 1915, p. 48. Bassler and Moodey, 1943, p. 303.

*ATAXOCRINUS* Miller, S. A., 1889, p. 226. Bather *in* Lankester, 1900, p. 146. Bassler, 1938, p. 48.

Named, currently recognized species based on cups or crowns: 3 Ordovician species. 1 Sandbian, 2 Katian

Ordovician, Sandbian – Katian (Champlainian – Cincinnati). United States, Ohio, Tennessee

?*Anomalocrinus antiquus* Guensburg, p. 48, Pl. 9, fig. 17; Fig. 9. Webster, 1988, p. 36. Ordovician, Sandbian (Champlainian), Lebanon Limestone. United States, Tennessee

*Anomalocrinus caponiformis* (Lyon, 1869). Miller, S. A., 1879b, p. 109, Pl. 9, figs. 4-4a. Miller, S. A., 1889, p. 224. Bassler, 1915, p. 48. Bassler and Moodey, 1943, p. 303.

*Ataxiacrinus caponiformis* Lyon, 1869, p. 464, Pl. 27, figs. o-o3. Bassler, 1915, p. 48. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 303.

*Ataxocrinus caponiformis* (Lyon, 1869). Miller, S. A., 1889, p. 226 (sic). Ordovician, Katian (Maysvillian), Corryville Shale. United States, Ohio

\**Anomalocrinus incurvus* (Meek and Worthen, 1865). Meek and Worthen, 1873, p. 17, Pl. 2, figs. 6a-6f. Miller, S. A., 1889, p. 224, Fig. 246. Cumings, 1908, p. 716, Pl. 3, figs. 1-1c. Grabau and Shimer, 1910, p. 501, Fig. 1813. Bassler, 1915, p. 48. Bassler and Moodey, 1943, p. 303. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 12. Moore and Laudon, 1944, p. 151, Pl. 53, fig. 26. Webster, 1973, p. 53. Moore and Lane *in* Moore and Teichert, 1978, p. T555, Fig. 349, no. 1. Webster, 1986, p. 60. Meyer and Davis, 2009, p. 178, Figs. 12.5, no. F; 12.7, no. C.

*Heterocrinus? incurvus* Meek and Worthen, 1865b, p. 148. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 48. Bassler and Moodey, 1943, p. 303.

*Heterocrinus? (Anomalocrinus) incurvus* Meek and Worthen, 1865. Bassler, 1938, p. 41.

*Hybocrinus? (Anomalocrinus) incurvus* (Meek and Worthen, 1865). Meek and Worthen, 1868c, p. 327, Unnum. Fig. Bassler, 1915, p. 48. Bassler and Moodey, 1943, p. 303.

Ordovician, Katian (Cincinnati), Fairmount Limestone. United States, Ohio

*Anomalocrinus* spp.

Brett, Deline and McLaughlin, 2008, p. 37, Fig. 2.16, nos. 1-2.

Ordovician, formation not given. United States, Kentucky

Meyer and Davis, 2009, p. 178, Fig. 12.7, nos. B, D.

Ordovician, Katian (Cincinnati), Bellevue-Corryville Formation. United States, Kentucky, Ohio

*Antedon* sp. Lue and Hy, 1965, p. 373, Pl. 1, figs. 1-4. Webster, 1973, p. 271 (mold of set of arms, not an *Antedon*, GDW).

Late Permian, series not given, Lungtan Coal Series. China, Kiangsu Province

**ANTHEMOCRINUS** Wachsmuth and Springer, 1881. \**Eucrinus venustus* Angelin, 1878.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthemocrinidae  
Wachsmuth and Springer, 1881, p. 208 (382). Zittel, 1895, p. 131. Bather *in*  
Lankester, 1900, p. 200. Springer *in* Zittel, 1913, p. 189. Jaekel, 1918, p. 40.  
Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 303. Moore and Laudon,  
1943b, p. 82. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster,  
1973, p. 53. Ubaghs *in* Moore and Teichert, 1978, p. T420. Webster, 1986, p.  
60.

Named, currently recognized species based on cups or crowns: 2 Silurian,  
Wenlockian species  
Silurian, Wenlockian. Sweden

*Anthemocrinus minor* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 209 (383).  
Jaekel, 1918, p. 40, Fig. 31. Bassler and Moodey, 1943, p. 303. Webster, 1986,  
p. 60.

*Eucrinus minor* Angelin, 1878, p. 25, Pl. 15, fig. 5. Bassler and Moodey, 1943, p.  
303.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Anthemocrinus venustus* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 209  
(383). Bassler and Moodey, 1943, p. 303. Ubaghs *in* Moore and Teichert, 1978,  
p. T420, Fig. 230, no. 1a. Webster, 1986, p. 60.

*Eucrinus venustus* Angelin, 1878, p. 25, Pl. 25, figs. 7, 16. Bassler, 1938, p. 42.  
Bassler and Moodey, 1943, p. 303.

Silurian, Wenlockian. Sweden, Isle of Gotland

**ANTHOCCRINUS** Müller, 1853 = **CROTALOCRINITES**

*Anthocrinus loveni* Müller, 1853 = *Crotalocrinites pulcher*

*Anthocrinus punctatus* (Hisinger, 1828) = *Pleuroptyx punctatus*

*Anthocrinus scriptus* (Hisinger, 1828) = *Pleuroptyx punctatus*

**ANTHRACOCRINUS** Strimple and Watkins, 1955. \**A. primitivus* Strimple and  
Watkins, 1955.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthracocrinidae  
Strimple and Watkins, 1955, p. 348. Webster, 1973, p. 53. Ubaghs *in* Moore and  
Teichert, 1978, p. T418. Webster, 1986, p. 60. Webster, 1988, p. 36. Webster,  
1993, p. 25. Ausich, 1934, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian species  
Ordovician, Sandbian (Champlainian). United States, Oklahoma

\**Anthracocrinus primitivus* Strimple and Watkins, 1955, p. 349, Figs. 1, nos. a-c; 2, no. a; 4-6. Webster, 1973, p. 53. Ubaghs *in* Moore and Teichert, 1978, p. T418, Fig. 228, no. 2. Kolata, 1982, p. 179, Pl. 17, figs. 1-5; Fig. 50. Webster, 1986, p. 60. Broadhead, 1987, p. 182, Fig. 3, no. B. Webster, 1988, p. 36. Webster, 1993, p. 26.

Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member.  
United States, Oklahoma

*Anthroacantha carpenteri* (Hinde, 1885) = *Arthroacantha carpenteri*

**ANTIHOMEOCRINUS** Schmidt, 1934. \**Homocrinus tenuis* Bather, 1893.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae

Schmidt, W. E., 1934, p. 79. Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 303. Moore and Laudon, 1943b, p. 52. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 53. Moore and Lane *in* Moore and Teichert, 1978, p. T621. Webster, 1986, p. 60. Ausich, 1998b, p. 21. Jell, 1999a, p. 91.

Named, currently recognized species based on cups or crowns: 6 species. 1 Silurian, Wenlockian; 1 Silurian, late Ludlovian – Devonian, Lochkovian; 4 Devonian, 3 Emsian, 1 Coblenzian,

Middle Silurian, Wenlockian - Early Devonian, Coblenzian. Europe, Sweden, Germany

Silurian, late Ludlovian, Devonian, late Lochkovian. Australia, Victoria

*Antihomocrinus armatus* Schmidt, W. E., 1934, p. 79, Pl. 18, fig. 3; Fig. 16. Bassler and Moodey, 1943, p. 303.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Antihomocrinus champmani* Jell, 1999a, p. 91, figs. 72-77.

Silurian, late Ludlovian, Humevale Formation, Clonbinane Sandstone Member; Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Antihomocrinus gertrudianus* Schmidt, W. E., 1942, p. 111, Pl. 13, fig. 1. Webster, 1973, p. 53.

Devonian, Emsian (late Coblenzian). Germany

*Antihomocrinus multifidus* Schmidt, W. E., 1942, p. 109, Pl. 26, figs. 2-3. Webster, 1973, p. 53.

Devonian, Coblenzian. Germany

*Antihomocrinus rarifissus* (Jaekel, 1918) = *Nassoviocrinus rarifissus*

\**Antihomocrinus tenuis* (Bather, 1893). Schmidt, W. E., 1934, p. 79. Bassler and Moodey, 1943, p. 304. Moore and Lane *in* Moore and Teichert, 1978, p. T621, Fig. 404, no. 1. Webster, 1986, p. 61.

*Homocrinus tenuis* Bather, 1893a, p. 105, Pl. 4, figs. 143-147. Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 304.



*Lasiocrinus tenuis* (Bather, 1893). Goldring, 1923, p. 342, Pl. 43, fig. 8. Bassler and Moodey, 1943, p. 304.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Antihomocrinus zeileri* (Jaekel, 1895). Schmidt, W. E., 1942, p. 108, Pl. 12, fig. 5.  
Webster, 1973, p. 53.

*Bactrocrinus zeileri* Jaekel, 1895a, p. 84. Schmidt, W. E., 1942, p. 108. Bassler and Moodey, 1943, p. 315. Webster, 1973, p. 53.

*Bactrocrinites zeileri* (Jaekel, 1895). Bassler and Moodey, 1943, p. 315.

*Poteroocrinus rhenanus* Müller, J. in Zeiler and Wirtgen, 1855, p. 20, Pl. 7, figs. 1-3.  
Müller, J., 1859, p. 191. Schmidt, W. E., 1942, p. 108. Bassler and Moodey, 1943, p. 315, 644. Webster, 1973, p. 53.

*Poteroocrinites rhenanus* (Müller, 1855). Bassler and Moodey, 1943, p. 644.  
Devonian, Emsian (late Coblenzian), Rheinischen Grauwacke. Germany

**ANULOCRINUS** Ramsbottom, 1961. \**A. thraivensis* Ramsbottom, 1961.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Ramsbottom, 1961, p. 8. Moore, 1962a, p. 21. Arendt and Hecker, 1964, p. 81.

Kesling and Sigler, 1969, p. 347, Figs. 4-10. Webster, 1973, p. 53. Kolata, 1975,

p. 24. Webster, 1977, p. 40. Moore and Lane in Moore and Teichert, 1978, p. T527. Brower, 1982, p. 90, Fig. 30, no. B. Webster, 1986, p. 61. Brower, 1988,

p. 917, Fig. 1. Webster, 1988, p. 36. Webster, 1993, p. 26. Harvey and Ausich, 1997, p. 300. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 2 species. 1

Ordovician, Sandbian – Katian; 1 Silurian, Niagaran

Ordovician, Sandbian – Katian (Ashgillian). United Kingdom, Scotland

Silurian, Niagaran. United States, Tennessee

*Anulocrinus drummuckensis* Ramsbottom, 1961 = *Cremacrinus drummuckensis*

*Anulocrinus* sp. aff. *A. drummuckensis* Ramsbottom, Brower, 1966 = *Cremacrinus ramifer*

*Anulocrinus forrestonesis* Kolata 1975 = *Cremacrinus forrestonensis*

*Anulocrinus latus* Brower and Veinus, 1974 = ?*Cremacrinus latus*

*Anulocrinus ramifer* Brower, 1977 = *Cremacrinus ramifer*

*Anulocrinus simplex* (Springer, 1926). Ramsbottom, 1961, p. 8. Moore, 1962a, p. 24, Pl. 3, fig. 5; Fig. 14, nos. 3-4. Webster, 1973, p. 54. Moore and Lane in Moore and Teichert, 1978, p. T527, Fig. 327, nos. 2e-2f. Brower, 1982, p. 90. Webster, 1986, p. 61. Webster, 1988, p. 60.

*Cremacrinus simplex* Springer, 1926a, p. 107, Pl. 28, figs. 8-8a. Bassler and Moodey, 1943, p. 376. Ramsbottom, 1961, p. 8. Webster, 1973, p. 54. Brower, 1982, p. 90, Figs. 32, no. B; 33-38. Brower, 1988a, p. 919, Figs. 6, no. 10; 9, no.

8. Webster, 1988, p. 60. Webster, 1993, p. 41.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

\**Anulocrinus thraivensis* Ramsbottom, 1961, p. 8, Pl. 2, figs. 1-8; Fig. 7. Moore, 1962a, p. 22, Pl. 1, fig. 4; Figs. 12-13. Webster, 1973, p. 54. Moore and Lane *in* Moore and Teichert, 1978, p. T527, Fig. 327, nos. 2a-2d. Brower, 1982, p. 90, Fig. 32, nos. E-F. Webster, 1986, p. 61. Brower, 1988, p. 919, Fig. 9, nos. 19-20. Webster, 1988, p. 36. Webster, 1993, p. 26. Donovan, Paul, and Lewis, 1996, p. 207, Pl. 39, fig. 4. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. a-b. Donovan, Sutton, and Sigwart, 2011, p. 459, Fig. 6, no. A.  
Ordovician, Sandbian – Katian (Ashgillian), upper part of Drummuck Group, Lady Burn Starfish Beds. United Kingdom, Scotland

**AOROCRINUS** Wachsmuth and Springer, 1897. \**Dorycrinus immaturus* Wachsmuth and Springer *in* Miller, 1889.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Coelocrinidae

Wachsmuth and Springer *in* Miller, S. A., 1897, p. 470. Wachsmuth and Springer 1897, p. 734. Grabau and Shimer, 1910, p. 546. Springer *in* Zittel, 1913, p. 196. Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 304. Moore and Laudon, 1943b, p. 93. Moore and Laudon, 1944, p. 195. Ubaghs, 1953, p. 740. Laudon, 1973b, p. 26, Figs. 2-4. Webster, 1973, p. 54. Webster, 1977, p. 40. Lane *in* Moore and Teichert, 1978, p. T471. Webster, 1986, p. 61. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 36. Ausich and Kammer, 1991b, p. 939. Webster, 1993, p. 26.

Named, currently recognized species based on cups or crowns: 26 species, 1 subspecies. 10 Devonian, 9 Givetian (+1 subspecies), 1 Late Devonian undesignated; 16 Mississippian, 8 Tournaisian, 8 Viséan  
Devonian, Givetian, - Mississippian, Viséan (Meramecian). North America

*Aorocrinus armatus* Goldring, 1923, p. 255, Pl. 35, figs. 11-12. Bassler and Moodey, 1943, p. 304. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 10. Webster, 1973, p. 54.

Devonian, Givetian (Erian), Hamilton Group, lower part of Moscow Shale. United States, New York

*Aorocrinus banffensis* Laudon, Parks, and Spreng, 1952, p. 568, Pls. 67, figs. 18-19; 69, fig. 19. Webster, 1973, p. 54.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Aorocrinus canaliculatus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1897, p. 455, Pl. 45, figs. 6a-6b. Weller, S., 1898c, p. 89. Bassler and Moodey, 1943, p. 304.

*Dorycrinus canaliculatus* Meek and Worthen, 1870a, p. 166. Meek and Worthen 1873, p. 381, Pl. 6, fig. 4. Miller, S. A., 1889, p. 240. Weller, S., 1898c, p. 89. Bassler and Moodey, 1943, p. 304.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

- Aorocrinus cassedayi* (Lyon, 1862). Wachsmuth and Springer, 1897, p. 483, Pl. 42, figs. 11a-12. Rowley, R. R., 1901b, p. 65, Pl. 23, figs. 4-5. Rowley, R. R., 1903, p. 101, Pls. 32, figs. 7-9; 33, figs. 13-15. Bassler and Moodey, 1943, p. 304.  
*Actinocrinus cassedayi* Lyon, 1862, p. 410, Pl. 4, figs. 3-3a. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 2217. Bassler and Moodey, 1943, p. 304.  
*Gennaeocrinus cassedayi* (Lyon, 1862). Miller, S. A., 1889, p. 247.  
 Devonian, Givetian (Hamiltonian), Sellersburg Limestone; Thunder Bay Limestone. United States, Kentucky, Indiana, Michigan
- Aorocrinus cassedayi charlestownensis* Rowley, R. R., 1901b, p. 65, Pl. 23, fig. 6. Rowley, R. R., 1903d, p. 142, Pl. 41, figs. 8-13. Bassler and Moodey, 1943, p. 304.  
 Devonian, Givetian (Hamiltonian), Sellersburg Limestone. United States, Indiana
- Aorocrinus cauliculus* (Hall, 1862). Goldring, 1923, p. 249, Pl. 35, figs. 1-3. Bassler and Moodey, 1943, p. 304.  
*Actinocrinus cauliculus* Hall, 1862a, p. 104. Hall, 1862b, p. 132. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 304.  
*Gennaeocrinus cauliculus* (Hall, 1862). Miller, S. A., 1889, p. 247.  
 Devonian, Givetian (Hamiltonian), Moscow Shale. United States, New York
- Aorocrinus clarkensis* Springer, 1926a, p. 47, Pl. 10, figs. 17-17a. Bassler and Moodey, 1943, p. 304.  
 Devonian, Givetian (Hamiltonian), Sellersburg Limestone. United States, Indiana
- Aorocrinus concavus* (Meek and Worthen, 1861) = *Coelocrinus concavus*
- ?*Aorocrinus delicatulus* (Miller and Gurley, 1896) = *Dizygocrinus caroli*
- Aorocrinus depressus* Rowley, R. R., 1901b, p. 65, Pl. 23, fig. 7. Bassler and Moodey, 1943, p. 304.  
 Devonian, Givetian (Hamiltonian), Sellersburg Limestone. United States, Indiana
- Aorocrinus douglassi* (Miller and Gurley, 1897). Laudon and Severson, 1953, p. 527, Pl. 53, figs. 11-12. Webster, 1973, p. 54.  
*Batocrinus douglassi* Miller and Gurley, 1897, p. 29, Pl. 2, fig. 26. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 324. Laudon and Severson, 1953, p. 527. Webster, 1973, p. 54.  
 Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana
- Aorocrinus elegans* (Miller, 1892). Wachsmuth and Springer, 1897, p. 480, Pl. 34, figs. 17a-17b. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 304.  
*Dorycrinus elegans* Miller, S. A., 1892a, p. 677. Miller, S. A., 1892c, p. 17, Pl. 3, figs. 4-5 (adv. pub.). Miller, S. A., 1894, p. 271, Pl. 3, figs. 4-5. Miller, S. A., 1897, p. 744, Fig. 1344. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 304.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States,

## Missouri

- Aorocrinus* n. sp. aff. *A. elegans* (Miller, 1892). Brower, 1970, p. 505, Pl. 67, fig. 7; Fig. 83, no. A. Webster, 1977, p. 40.  
Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member.  
United States, Arizona
- Aorocrinus formosus* Goldring, 1923, p. 259, Pl. 35, figs. 5-9. Goldring, 1936, p. 19, Pl. 7, figs. 7- 8. Bassler and Moodey, 1943, p. 305.  
Devonian, Givetian (Hamiltonian), Moscow Shale. United States, New York
- Aorocrinus helice* (Hall, 1863). Wachsmuth and Springer, 1897, p. 481, Pl. 45, figs. 2, ?5. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305. Ausich, 1996b, p. 249, Fig. 17-7, no. 5. Ausich and Roeser, 2012, p. 493, Figs. 6.1, 6.8, 7.1, 7.4-7.6.
- Actinocrinus helice* Hall, 1863b, p. 53. Hall, 1864a, p. 53. Hall, 1867, p. 53. Shumard, 1868, p. 350. Hall and Whitfield, 1875c, p. 163, Pl. 11, figs. 5-8. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305.
- Agaricocrinus helice* (Hall, 1863). Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 70.
- Actinocrinus helice* var. *eris* Hall, 1863b, p. 53. Hall, 1867, p. 53. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305.
- Actinocrinus eris* Hall and Whitfield, 1875c, p. 164, Pl. 11, figs. 9-10. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305.
- Agaricocrinus eris* (Hall, 1863). Miller, S. A., 1889, p. 220. Miller, S. A., 1897, p. 732. Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation. United States, Ohio
- \**Aorocrinus immaturus* (Wachsmuth and Springer in Miller, 1889). Wachsmuth and Springer, 1897, p. 471, Pl. 45, figs. 4a-4b. Weller, S., 1898c, p. 90. Laudon and Beane, 1937, p. 244, Pls. 15, fig. 17; 17, fig. 1. Bassler and Moodey, 1943, p. 305. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 1. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 9. Laudon, 1948, Pl. 2. Bowsher, 1955a, p. 3, Pl. 2, fig. 5. Boyt, 1962, Unnum. Fig. p. 11. Webster, 1973, p. 54. Webster, 1977, p. 40. Mironova and Yeltyschewa, 1978, p. 26, Fig. 4, no. b. Haugh, 1978, p. 163, Fig. 17, no. C. Lane in Moore and Teichert, 1978, p. T471, Fig. 277, no. 1. Williams, M. E., 1982, p. 20, Pl. I. Webster, 1986, p. 62. Webster, 1988, p. 37. Author unknown, 1989, cover, p. 1. Webster, 1993, p. 26. Gahn and Baumiller, 2010, p. 514c, Fig. 5, no. A.
- Dorycrinus immaturus* Wachsmuth and Springer in Miller, S. A., 1889, p. 240, Fig. 290 (*nomen nudum*). Wachsmuth and Springer, 1890a, p. 175, Pls. 16, fig. 5; 17, figs. 6, 17. Weller, S., 1898c, p. 90. Bassler, 1938, p. 43. Bassler and Moodey, 1943, p. 305.
- Coelocrinus immaturus* (Wachsmuth and Springer in Miller, 1889). Bather in Lankester, 1900, p. 167, Fig. 81. Bassler and Moodey, 1943, p. 305.
- Dorycrinus* species undescribed Keyes, 1888, p. 242, Pl. 1, fig. 8.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Le Grande Beds.  
United States, Iowa

*Aorocrinus iola* Laudon, 1933 = *Eutrochocrinus iola*

*Aorocrinus kelloggi* (Worthen, 1875). Ausich and Kammer, 1991b, p. 939, Figs. 1.14-1.20.

*Dorycrinus kelloggi* Worthen, 1875, p. 513, Pl. 29, fig. 8. Miller, S. A., 1889, p. 240. Weller, S., 1898c, p. 91. Bassler and Moodey, 1943, p. 306. Ausich and Kammer, 1991b, p. 939.

*Aorocrinus spinosulus* Wachsmuth and Springer, 1897 (non Hall, 1859), p. 476, Pls. 43, fig. 4; 44, figs. 8a-8b. Weller, S., 1898c, p. 91. Ausich and Kammer, 1991b, p. 939.

Mississippian, Viséan (late Osagean), Keokuk Limestone. United States, Iowa, Illinois

*Aorocrinus longidactylus* Goldring, 1923, p. 262, Pl. 35, fig. 10. Bassler and Moodey, 1943, p. 305.

Devonian, Givetian (Hamiltonian), Moscow Shale. United States, New York

*Aorocrinus meyeri* Ausich and Roeser, 2012, p. 498, Figs. 6.9, 9.11.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale Member. United States, Ohio

*Aorocrinus multicostatus* Goldring, 1938a, p. 109, Pl. 6, figs. 1-4. Bassler and Moodey, 1943, p. 305.

Late Devonian, series and formation not given. United States, Pennsylvania

*Aorocrinus nodosus* Springer, 1926 = *Stiptocrinus nodosus*

*Aorocrinus nodulus* Lee, Ausich, and Kammer, 2005, p. 344, Figs. 1.1-1.4.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Aorocrinus parvibasis* (Wachsmuth and Springer, 1890). Wachsmuth and Springer, 1897, p. 473, Pl. 45, figs. 3a-3b. Weller, S., 1898c, p. 90. Laudon and Beane, 1937, p. 245, Pl. 15, fig. 16. Bassler and Moodey, 1943, p. 305.

*Dorycrinus parvibasis* Wachsmuth and Springer, 1890, p. 241, Fig. 291 (*nomen nudum*). Wachsmuth and Springer, 1890a, p. 177, Pl. 17, figs. 7, 9-9a. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Aorocrinus parvus* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 477, Pl. 45, figs. 11a-11b. Bassler and Moodey, 1943, p. 305.

*Actinocrinus parvus* Shumard, 1855, p. 193, Pl. A, fig. 9. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 90.

*Dorycrinus parvus* (Shumard, 1855). Miller, S. A., 1889, p. 241. Miller, S. A., 1897, p.

744.

*Dorycrinus amoenus* Miller, S. A., 1891b, p. 35, Pls. 2, fig. 10; 3, figs. 5-6. Miller, S. A., 1892a, p. 677. Miller, S. A., 1897, p. 744, Fig. 1343. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri

*Aorocrinus praecursor* (Hall, 1862). Goldring, 1923, p. 253, Pl. 35, fig. 4. Bassler and Moodey, 1943, p. 306.

*Actinocrinus praecursor* Hall, 1862a, p. 103. Hall, 1862b, p. 131. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Bassler and Moodey, 1943, p. 306.

?*Aorocrinus praecursor* (Hall, 1862). Wachsmuth and Springer, 1897, p. 484. Bassler and Moodey, 1943, p. 306.

*Dorycrinus praecursor* (Hall, 1862). Miller, S. A., 1889, p. 241. Miller, S. A., 1897, p. 744.

Devonian, Givetian (Hamiltonian), Moscow Shale. United States, New York

?*Aorocrinus praecursor* (Hall, 1862) = *Aorocrinus praecursor*

*Aorocrinus? prumiensis* Wachsmuth and Springer, 1897 = *Periechocrinites prumiensis* = *Periechocrinus prumiensis* = *Pyxidocrinus prumiensis*

*Aorocrinus puteatus* Rowley, 1906a, p. 9, Pl. 3, figs. 6-8. Bassler and Moodey, 1943, p. 306.

Devonian, Givetian (Hamiltonian), Sellerburg Limestone. United States, Indiana

*Aorocrinus radiatus* (Wachsmuth and Springer in Miller, 1889). Wachsmuth and Springer, 1897, p. 472, Pl. 45, fig. 1. Weller, S., 1898c, p. 91. Laudon and Beane, 1937, p. 245, Pl. 15, fig. 18. Bassler and Moodey, 1943, p. 306.

O'Malley,

Ausich, and Chin, 2008, p. 291, Fig. 13.1, no. 3.

*Dorycrinus radiatus* Wachsmuth and Springer in Miller, S. A., 1889, p. 241, Fig. 292 (*nomen nudum*). Wachsmuth and Springer, 1890a, p. 176, Pl. 17, figs. 5-5a. Weller, S., 1898c, p. 91. Bassler and Moodey, 1943, p. 306.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Aorocrinus spinosulus* Wachsmuth and Springer, 1897 (non Hall, 1859) = *Aorocrinus kelloggi*

*Aorocrinus spinosulus* (Hall, 1859) (non Wachsmuth and Springer, 1897) = *Dorycrinus mississippiensis*

*Aorocrinus strenuus* (Miller and Gurley, 1896). Ausich and Kammer, 1991b, p. 939, Figs. 1.21-1.22.

*Batocrinus strenuus* Miller and Gurley, 1896b, p. 11, Pl. 1, figs. 18-19. Miller, S. A., 1897, p. 739. Bassler and Moodey, 1943, p. 332. Ausich and Kammer, 1991b, p. 939.

Mississippian, Viséan (Meramecian), upper part of Warsaw Formation. United

## States, Missouri

- Aorocrinus subaculeatus* (Hall, 1858). Wachsmuth and Springer, 1897, p. 476, Pl. 45, figs. 7a-7b. Weller, S., 1898c, p. 91. Bassler and Moodey, 1943, p. 306.
- Actinocrinus subaculeatus* Hall, 1858c, p. 570, Pl. 10, figs. 2a-2b. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 91. Bassler and Moodey, 1943, p. 306.
- Dorycrinus subaculeatus* (Hall, 1858). Keyes, 1894a, p. 170. Miller, S. A., 1889, p. 241. Weller, S., 1898c, p. 239.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Aorocrinus symmetricus* (Hall, 1858). Kirk, 1946e, p. 660. Webster, 1973, p. 54.
- Actinocrinus symmetricus* Hall, 1858c, p. 574, Pl. 10, figs. 8a-8b. Hall, 1860, Pl. 2, fig. 10. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 90. Bassler and Moodey, 1943, p. 305. Kirk, 1946e, p. 660. Webster, 1973, p. 54.
- Miller et al., 2008, p. 262, Fig. 12.10, no. 10.
- Dorycrinus symmetricus* (Hall, 1858). Miller, S. A., 1889, p. 241.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Aorocrinus wachsmuthi* Rowley, R. R., 1901c, p. 348, Pl. 28, fig. 38. Bassler and Moodey, 1943, p. 306.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Aorocrinus* sp.
- Laudon, Parks, and Spreng, 1952, p. 569, Pl. 67, fig. 20. Webster, 1973, p. 54.
- Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Breimer, 1962a, p. 78, Pl. 8, figs. 5-6. Webster, 1973, p. 54.
- Carboniferous, Namurian, Rabanal Limestone. Spain
- Priest, 1971, p. 94, Pl. 2, fig. 4. Webster, 1977, p. 40.
- No age or locality given.
- APEKTOCRINUS** Guensburg and Sprinkle, 2009. \**Apektocrinus ubaghshi* Guensburg and Sprinkle, 2009.
- Sbc. Cladida, ? O. Uncertain, F. Apektocrinidae
- Guensburg and Sprinkle, 2009, p. 353.
- Named, currently recognized species based on cups or crowns: 1 Ordovician, Tremadocian species
- Ordovician, Tremadocian. United States, Idaho
- \**Apektocrinus ubaghshi* Guensburg and Sprinkle, 2009, p. 353, Figs. 1-6, 7.1-3, 8, 10.8, 11, no. 1. Guensburg et al, 2010, 435, Fig. 5, no. B.
- Ordovician, Tremadocian (Ibexian), lower part of Garden City Formation. United States, Idaho
- Aphelecrinidae? n. gen. n. sp. undesignated Webster, 1997, p. 29, Pl. 6, fig. 8.

Mississippian, middle Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

**APHELECRINUS** Kirk, 1944. \**A. elegans* Kirk, 1944.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Aphelecrinidae

Kirk, 1944c, p. 190. Arendt and Hecker, 1964, p. 88. Burdick and Strimple, 1971a, p. 37. Webster, 1973, p. 54. Webster, 1977, p. 40. Moore and Strimple *in* Moore and Teichert, 1978, p. T653. Burdick and Strimple, 1983a, p. 97. Webster, 1986, p. 62. Chestnut and Etensohn, 1988, p. 43, Fig. 10. Webster, 1988, p. 37. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 26. Webster and Waters, 2005, p. 28.

Named, currently recognized species based on cups or crowns: 27 species. 1 Devonian, Famennian; 26 Mississippian species, 5 Tournaisian, 12 Viséan, 5 Viséan – Serpukhovian, 4 Serpukhovian

Devonian, Famennian. United Kingdom

Mississippian, Tournaisian – Serpukhovian (Kinderhookian – Chesterian). United States

Mississippian, Viséan. United Kingdom, Scotland

*Aphelecrinus angustatus* (Wright, 1934). Kammer and Ausich, 2007c, p. 145, unfig.

*Abrotocrinus angustatus* Wright, J., 1934, p. 250, Pl. 13, figs. 4-6; Figs. 22-24.

Wright, 1939, p. 37, Pls. 7, fig. 5; 8, figs. 2, 8-10; Figs. 43-45. Bassler and Moodey, 1943, p. 262. Wright, J., 1951b, p. 69, Pl. 31, figs. 3, 6-9; Figs. 34-36. Webster, 1973, p. 32. Kammer and Ausich, 2007c, p. 145, unfig.

*Abrotocrinus angustus* Wright, 1934. Kammer and Ausich, 2007c, p. 145.

Mississippian, Viséan, shales above Ardross Limestone, Calciferous Sandstone. United Kingdom, Scotland

*Aphelecrinus bayensis* (Meek and Worthen, 1865). Kirk, 1944c, p. 192. Horowitz,

1965, p. 24, Pl. 2, figs. 3-4. Broadhead and Bagby, 1972, p. 29, Pl. 1, figs. 5-6.

Webster, 1973, p. 55. Webster, 1977, p. 40. Burdick and Strimple, 1983a, p. 97, Pl. 13, figs. 6-8. Webster, 1988, p. 37.

*Poteriocrinus (Scaphiocrinus) bayensis* Meek and Worthen, 1865c, p. 157.

Shumard, 1868, p. 391. Meek and Worthen, 1873, p. 550, Pl. 20, fig. 2. Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 405. Kirk, 1944c, p. 192. Webster, 1973, p. 55.

*Poteriocrinus bayensis* Meek and Worthen, 1865. Miller, S. A., 1889, p. 273.

*Scaphiocrinus bayensis* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 279.

Weller, S., 1898c, p. 213.

*Decadocrinus bayensis* (Meek and Worthen, 1865). Wachsmuth and Springer,

1880 (1879), p. 119 (342). Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 405.

Mississippian, Serpukhovian (Chesterian), Floyd Shale; Bangor Limestone; Glen Dean Limestone. United States, Georgia, Alabama, Illinois

?*Aphelecrinus bayensis* (Meek and Worthen, 1865) Horowitz, 1965 = *Aphelecrinus randolphensis*



- Aphelecrinus columbiensis* (Worthen, 1882). Burdick and Strimple, 1983a, p. 99, Pl. 18, fig. 7. Webster, 1988, p. 37.
- Poteriocrinus columbiensis* Worthen, 1882, p. 221. Worthen, 1883, p. 293, Pl. 29, fig. 6. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 605. Burdick and Strimple, 1983a, p. 99. Webster, 1988, p. 37.
- Decadocrinus columbiensis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 239 (165). Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 605. Burdick and Strimple, 1983a, p. 99. Webster, 1988, p. 37.
- Phacelocrinus columbiensis* (Worthen, 1882). Kirk, 1940c, p. 329. Bassler and Moodey, 1943, p. 605. Burdick and Strimple, 1983a, p. 99. Webster, 1988, p. 37.
- Mississippian, Viséan - Serpukhovian (Chesterian), Monteagle Limestone, Paint Creek Limestone. United States, Alabama, Illinois
- Aphelecrinus crassus* Kirk, 1944c, p. 192, Pl. 1, fig. 11. Webster, 1973, p. 55. Mississippian, Serpukhovian (Chesterian). United States, Illinois
- Aphelecrinus crineus* (Hall, 1863). Strimple, 1967, p. 81. Webster, 1973, p. 55. Webster, 1986, p. 62.
- Poteriocrinus crineus* Hall, 1863b, p. 56. Hall, 1864a, p. 56. Shumard, 1868, p. 391. Hall and Whitfield, 1875c, p. 172, Pl. 12, figs. 6-7. Miller, S. A., 1889, p. 274. Miller, S. A., 1897, p. 751. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943, p. 373. Webster, 1973, p. 55.
- Poteriocrinus (Scaphiocrinus) crineus* Hall, 1863. Wachsmuth and Springer, 1880, p. 112 (335). Bassler and Moodey, 1943, p. 373.
- Cosmetocrinus crineus* (Hall, 1863). Kirk, 1941b, p. 87. Bassler and Moodey, 1943, p. 373.
- Scaphiocrinus crineus* (Hall, 1864). Weller, S., 1898c, p. 542. Grabau and Shimer, 1910, p. 509, Fig. 1824, nos. a-b. Wolf, 1979, p. 150, Fig. 1, no. b. Webster, 1986, p. 62.
- Poteriocrinites crineus* (Hall, 1864). Lesley, 1889, p. 741, Figs. 6-7. Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation. United States, Ohio
- Aphelecrinus delicatus* (Meek and Worthen, 1870). Strimple, 1967, p. 81. Webster, 1973, p. 55.
- Poteriocrinites (Graphiocrinus; Scaphiocrinus) delicatus* Meek and Worthen, 1870a, p. 144. Bassler and Moodey, 1943, p. 373.
- Poteriocrinites (Scaphiocrinus) delicatus* Meek and Worthen, 1870. Meek and Worthen, 1873, p. 407, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 373.
- Scaphiocrinus delicatus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 542.
- Cosmetocrinus delicatus* (Meek and Worthen, 1870). Kirk, 1941b, p. 87. Bassler and Moodey, 1943, p. 373.

*Poteriocrinus (Graphiocrinus; Scaphiocrinus) delicatus* Meek and Worthen, 1870.  
Webster, 1973, p. 55.  
Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone.  
United States, Iowa

*Aphelecrinus dilatatus* Wright, J., 1945, p. 117, Pl. 2, figs. 5-15. Moore, 1948, p. 390,  
Fig. 11. Wright, J., 1951a, p. 45, Pl. 12, figs. 5-6, 9-13, 26, 30, 35, 37. Webster,  
1973, p. 55.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Aphelecrinus dunlopi* Wright, 1936 = *Cosmetocrinus dunlopi*

\**Aphelecrinus elegans* Kirk, 1944c, p. 194, Pl. 1, figs. 6-8. Webster, 1973, p. 55. Moore  
and Strimple in Moore and Teichert, 1978, p. T653, Fig. 428, no. 2. Burdick and  
Strimple, 1983a, p. 100, Pl. 18, fig. 10. Webster, 1986, p. 62. Webster, 1988, p.  
37.

Mississippian, Viséan - Serpukhovian (Meramecian), Ste. Genevieve Limestone,  
Monteagle Limestone. United States, Alabama

*Aphelecrinus elegantulus* (Wachsmuth and Springer in Miller, 1889). Strimple, 1967,  
p. 81. Webster, 1973, p. 55. Ausich in Hess et al., 1999 p. 135, Fig. 142, no.  
D.

*Scaphiocrinus elegantulus* Wachsmuth and Springer in Miller, S. A. 1889, p. 279,  
Fig. 424. Wachsmuth and Springer, 1890a, p. 195, Pl. 17, fig. 13. Weller, S.,  
1898c, p. 543. Bassler and Moodey, 1943, p. 373. Webster, 1973, p. 55.

*Cosmetocrinus elegantulus* (Wachsmuth and Springer, 1889). Kirk, 1941b, p. 87.  
Bassler and Moodey, 1943, p. 373. Moore and Laudon, 1944, p. 159, Pl. 58,  
figs. 6, 21. Webster, 1973, p. 85.

*Poteriocrinus legrandensis* Miller and Gurley, 1890b, p. 39, Pl. 7, figs. 4-6. Miller and  
Gurley, 1891, p. 357, Pl. 7, fig. 4-5 (authors' ed., p. 39). Miller, S. A., 1892a, p.  
681. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 373.

*Pachylocrinus legrandensis* (Miller and Gurley, 1890). Laudon and Beane, 1937,  
p. 256, Pl. 18, fig. 3. Bassler and Moodey, 1943, p. 373.

*Amphielecrinus elegantatus* (Wachsmuth and Springer in Miller, 1889). Laudon  
and Severson, 1953, p. 520.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Maynes Creek  
Member. United States, Iowa

*Aphelecrinus exoticus* Strimple, 1951g, p. 292, Fig. 5. Webster, 1973, p. 55.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
Oklahoma

*Aphelecrinus extensus* (Wright, 1951). Ausich and Kammer, 2006, p. 104.  
*Cosmetocrinus extensus* Wright, 1951. Ausich and Kammer, 2006, p. 104.  
Mississippian, Tournaisian. United Kingdom

*Aphelecrinus greenhillensis* Wright, J., 1951b, p. 47, Pl. 30, fig. 1. Webster, 1973, p.  
55.

Mississippian, Viséan. United Kingdom, Scotland

*Aphelecrinus limatus* Kirk, 1944 = *Aphelecrinus randolphensis*

*Aphelecrinus madisonensis* Laudon and Severson, 1953 = *Paracosmetocrinus madisonensis*

*Aphelecrinus meeki* (Kirk, 1941). Strimple, 1967, p. 81. Webster, 1973, p. 55.  
*Cosmetocrinus meeki* Kirk, 1941b, p. 88. Bassler and Moodey, 1943, p. 374.  
 Laudon and Severson, 1953, p. 521. Webster, 1973, p. 55.  
*Amphielecrinus meeki* (Kirk, 1941). Laudon and Severson, 1953, p. 521.  
*Poteriocrinites (Graphiocrinus; Scaphiocrinus) nanus* Meek and Worthen (*non* Roemer), 1870a, p. 141. Bassler and Moodey, 1943, p. 374. Moore and Laudon, 1944, p. 159, Pl. 58, fig. 15. Webster, 1973, p. 85.  
*Poteriocrinites (Scaphiocrinus) nanus* Meek and Worthen, 1873, p. 425, Pl. 1, fig. 8. Bassler and Moodey, 1943, p. 374.  
*Scaphiocrinus nanus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 546.  
*Cosmetocrinus nanus* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 374.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Aphelecrinus montanaensis* Webster and Waters, 2005, p. 28, Figs. 2.12-2.13.  
 Mississippian, Viséan (early Chesterian), Otter Formation. United States, Montana

*Aphelecrinus mundus* Kirk, 1944 = *Aphelecrinus randolphensis*

*Aphelecrinus okawensis* (Worthen, 1882). Kirk, 1944c, p. 198. Webster, 1973, p. 55.  
*Poteriocrinus okawensis* Worthen, 1882, p. 24. Worthen, 1883, p. 296, Pl. 29, fig. 2. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 583. Kirk, 1944c, p. 198. Webster, 1973, p. 55.  
*Poteriocrinus (Scaphiocrinus) okawensis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Bassler and Moodey, 1943, p. 583.  
*Scaphiocrinus okawensis* (Worthen, 1882). Miller, 1889, p. 280. Weller, S., 1898c, p. 546.  
*Pachylocrinus okawensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 583.  
 Mississippian, Viséan (Osagean), Chesterian, Chester Limestone. United States, Illinois

*Aphelecrinus oweni* Kirk, 1944 = *Aphelecrinus randolphensis*

*Aphelecrinus parvus* Wright, J., 1945, p. 118, Pl. 3, figs. 2-5. Wright, J., 1951a, p. 46, Pl. 12, fig. 14. Webster, 1973, p. 56.  
 Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

- Aphelecrinus peculiaris* (Worthen, 1883). Kirk, 1944c, p. 202. Webster, 1973, p. 56.  
*Poteriocrinus peculiaris* Worthen, 1883, p. 298, Pl. 29, fig. 10. Miller, S. A., 1889, p. 275. Bassler and Moodey, 1943, p. 643. Kirk, 1944c, p. 202. Webster, 1973, p. 56.
- Poteriocrinites peculiaris* (Worthen, 1883). Bassler and Moodey, 1943, p. 643.  
*Poteriocrinus clytis* Worthen, 1882, p. 16, 25 (by error). Worthen, 1883, p. 294, Pl. 30, fig. 10. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 639, 643.
- Note:** *Poteriocrinus clytis* has page precedence. GDW 2011.  
 Mississippian, Viséan (Meramecian - ?Chesterian), St. Louis Limestone – ?Ste. Genevieve Limestone. United States, Illinois
- Aphelecrinus planus* Strimple, 1951g, p. 292, figs. 9-11. Webster, 1973, p. 56.  
 Strimple, 1977b, p. 23, Fig. 1. Webster, 1986, p. 62.  
 Mississippian, Serpukhovian (Chesterian), Fayetteville Formation, Pitkin Limestone. United States, Oklahoma
- Aphelecrinus popensis* (Worthen, 1882). Burdick and Strimple, 1971a, p. 39.  
 Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 7. Webster, 1977, p. 41.  
*Poteriocrinus popensis* Worthen, 1882, p. 23. Worthen, 1883, p. 296, Pl. 29, fig. 12. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583. Burdick and Strimple, 1971a, p. 39. Webster, 1977, p. 41. Burdick and Strimple, 1983a, p. 136. Webster, 1988, p. 87.  
*Scaphiocrinus popensis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583. Burdick and Strimple, 1983a, p. 136. Webster, 1988, p. 87.  
*Pachylocrinus popensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 583. Burdick and Strimple, 1983a, p. 136. Webster, 1988, p. 87.  
*Fifeocrinus popensis* (Worthen, 1882). Burdick and Strimple, 1983a, p. 136, Pl. 9, fig. 3. Webster, 1988, p. 87.  
 Mississippian, Viséan - Serpukhovian (Chesterian), Bangor Limestone; Floyd Shale. United States, Illinois, Alabama, Georgia
- Aphelecrinus* sp. cf. *A. popensis* (Worthen, 1882). Burdick and Strimple, 1971a, p. 38, Pl. 7, fig. 12. Webster, 1977, p. 41.  
 Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois
- Aphelecrinus randolphensis* (Worthen, 1873). Kirk, 1944c, p. 200. Horowitz, 1965, p. 26, Pl. 2, fig. 18. Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 8. Webster, 1973, p. 56. Webster, 1977, p. 41. Chestnut and Etensohn, 1988, p. 43, Pl. 4, figs. 5-6, 12-13. Webster, 1993, p. 26.  
*Poteriocrinites (Scaphiocrinus) randolphensis* Worthen in Meek and Worthen, 1873, p. 551, Pl. 21, fig. 14. Bassler and Moodey, 1943, p. 583. Kirk, 1944c, p. 200.  
*Scaphiocrinus randolphensis* (Worthen, 1873). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 548.  
*Pachylocrinus randolphensis* (Worthen, 1873). Bassler and Moodey, 1943, p. 583.

- Poteriocrinus (Scaphiocrinus) randolphensis* Worthen in Meek and Worthen, 1873. Webster, 1973, p. 56 (sic).
- Aphelecrinus limatus* Kirk, 1944c, p. 196, Pl. 1, fig. 10. Webster, 1973, p. 55. Chestnut and Etensohn, 1988, p. 43. Webster, 1993, p. 26.
- Aphelecrinus mundus* Kirk, 1944c, p. 197, Pl. 1, fig. 9. Webster, 1973, p. 55. Burdick and Strimple, 1983a, p. 100, Pls. 4, fig. 12; 15, figs. 3-4, 7-8, 11, 13-14, 17. Chestnut and Etensohn, 1988, p. 43. Webster, 1988, p. 37. Webster, 1993, p. 26.
- Aphelecrinus oweni* Kirk, 1944c, p. 198, Pl. 1, figs. 1-3 (figures mislabeled as *A. lyoni* Kirk, n. sp.). Horowitz, 1965, p. 25, Pl. 2, figs. 15-17. Burdick and Strimple, 1971a, p. 37, Pl. 7, figs. 2-3. Webster, 1977, p. 40. Burdick and Strimple, 1983a, p. 101, Pl. 15, figs. 2, 5, 9-10, 12, 16. Chestnut and Etensohn, 1988, p. 43. Webster, 1988, p. 37. Webster, 1993, p. 26.
- ?*Aphelecrinus bayensis* (Meek and Worthen, 1865), Horowitz, 1965. Chestnut and Etensohn, 1988, p. 43. Webster, 1993, p. 26.
- Mississippian, Viséan - Serpukhovian (Chesterian), Floyd Shale; Glen Dean Formation; Pennington Formation; Beech Creek Limestone; Pride Mountain Formation; Bangor Formation. United States, Illinois, Alabama, Kentucky
- Aphelecrinus richfieldensis* (Worthen, 1882). Strimple, 1967, p. 81. Webster, 1973, p. 56.
- Poteriocrinus richfieldensis* Worthen, 1882, p. 15. Worthen, 1883, p. 285, Pl. 30, fig. 5. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 641. Webster, 1973, p. 56.
- Woodocrinus richfieldensis* (Worthen, 1882). Weller, S., 1898c, p. 641.
- Cosmetocrinus richfieldensis* (Worthen, 1882). Kirk, 1941b, p. 88. Bassler and Moodey, 1943, p. 374.
- Amphelocrinus richfieldensis* (Worthen, 1882). Laudon and Severson, 1953, p. 521.
- Mississippian, Tournaisian (Kinderhookian), Cuyahoga Group. United States, Ohio
- Aphelecrinus roscobiensis* Wright, J., 1945, p. 118, Pl. 3, figs. 16, 18, 22. Wright, J., 1951a, p. 46, Pl. 12, figs. 31-33. Webster, 1973, p. 56.
- Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Aphelecrinus sacculatus* (Laudon and Severson, 1953) = *Paracosmetocrinus sacculatus*
- Aphelecrinus scoparius* (Hall, 1858). Kirk, 1944c, p. 200. Webster, 1973, p. 56.
- Scaphiocrinus scoparius* Hall, 1858c, p. 680, Pl. 25, figs. 3a-3b; Fig. 108. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 584. Kirk, 1944c, p. 200. Webster, 1973, p. 56.
- Pachylocrinus scoparius* (Hall, 1858). Bassler and Moodey, 1943, p. 584.
- Poteriocrinus (Scaphiocrinus) scoparius* (Hall, 1858). Bassler and Moodey, 1943, p. 650.
- Mississippian, Viséan (Meramecian – Chesterian), St. Louis Limestone; Chester Limestone. United States, Illinois
- Aphelecrinus simplex* Kirk, 1944c, p. 201, Pl. 1, figs. 4-5. Webster, 1973, p. 56.

Mississippian, Viséan (Chesterian), Renault Formation. United States, Illinois

*Aphelecrinus tensus* (Whidborne, 1896). Lane, Maples, and Waters, 2001a, p. 1072, Pl. 6, figs. 1-2, 4, 8.

*Poteriocrinus tensus* Whidborne, 1896, p. 377. Whidborne, 1898, p. 226, Pls. 35, figs. 1-2; 38, fig. 1. Bassler and Moodey, 1943, p. 383, 51. Lane, Maples, and Waters, 2001a, p. 1072.

*Culmicrinus tensus* (Whidborne); Schmidt, W. E., 1930, p. 87. Bassler and Moodey, 1943, p. 383. [Note. Bassler and Moodey listed *Poteriocrinus tensus* under both *Culmicrinus tensus* and *Hydriocrinus tensus*, citing Schmidt, 1930. The *Hydriocrinus tensus* was in error. *Poteriocrinus tensus* Whidborne is not a *Culmicrinus*, but may be a *Blothrocrinus*. GDW, 2003.] Lane, Maples, and Waters, 2001a, p. 1072.

*Hydriocrinus tensus* (Whidborne, 1896). Schmidt, W. E., 1930, p. 87. Bassler and Moodey, 1943, p. 518. Lane, Maples, and Waters, 2001a, p. 1072.

Devonian, Famennian, Pilton Beds, Marwood Beds. United Kingdom, North Devon

*Aphelecrinus? utahensis* Webster, 1997, p. 28, Pl. 5, fig. 5.

Mississippian, middle Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Aphelecrinus venustus* (Worthen, 1882). Kirk, 1944c, p. 202. Webster, 1973, p. 56.

*Poteriocrinus venustus* Worthen, 1882, p. 24. Worthen, 1883, p. 297, Pl. 29, fig. 13.

Bassler and Moodey, 1943, p. 584. Kirk, 1944c, p. 202. Webster, 1973, p. 56.

*Pachylocrinus venustus* (Worthen, 1882). Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 550. Bassler and Moodey, 1943, p. 584.

*Scaphiocrinus venustus* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 550. Bassler and Moodey, 1943, p. 584.

Mississippian, Viséan - Serpukhovian (Chesterian), Renault Formation, Gasper Limestone, Glen Dean Limestone. United States, Illinois, Alabama, Kentucky

*Aphelecrinus* sp.

Wright, J., 1951b, p. 47, Pl. 12, fig. 4. Webster, 1973, p. 56.

Mississippian, Viséan; United Kingdom, Scotland

Priest, 1970, p. 13, Fig. 5. Webster, 1977, p. 41.

Mississippian, Viséan (Meramecian), Pella Beds. United States, Iowa

Webster et al., 2001, p. 110, Pl. 1, figs. A, C.

Mississippian, Tournaisian, Mobarak Formation. Iran, Alborz Mountains

*Aphelecrinus?* sp. Lane, Maples, and Waters, 2001a, p. 1072, Pl. 3, fig. 8 (not Pl. 4, fig. 8; plates explanations reversed).

*Scaphiocrinus* sp. Whidborne, 1898. Lane, Maples, and Waters, 2001a, p. 1072

*Hydriocrinus* sp. (Whidborne); Schmidt, 1930. Lane, Maples, and Waters, 2001a, p. 1072

Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

*Apical glyptus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 24.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Pennsylvanian, Desmoinesian, Mineral Coal cap. United States, Kansas

cf. *Apical glyptus* Moore, 1939. Termier, G. and Termier, H., 1950, p. 208, Pl. 212, fig. 9.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Pennsylvanian, Westphalian. Algeria

*Apical regularis* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 25.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma

*Apical urna* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 21. Webster, 1973, p. 271 (infrabasal? circlet).  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

Apicals Moore, 1939b, p. 170, Fig. 2, nos. 2-7 (basal and infrabasal circlets, 6 species).  
Mississippian, Osagean - Chesterian. United States

*APIOCRINITES* Hisinger, 1828 (*non* Miller, 1821) = *ENALLOCRINUS* = ***PLEUROPTYX***

*Apiocrinites dipenatus* Leuchtenberg, 1843 = *Hybocrinus dipenatus* = *Hoplocrinus dipenatus*

*Apiocrinites punctatus* Hisinger, 1828 = *Millericrinus punctatus* = *Enalocrinus scriptus* = *Pleuroptyx punctatus*

*Apiocrinites scriptus* Hisinger, 1828 = *Millericrinus scriptus* = *Enalocrinus scriptus* = *Pleuroptyx punctatus*

*Apiocrinites? scriptus* Hisinger, 1828 = *Enalocrinus scriptus* = *Pleuroptyx punctatus*

*Apiocrinites? sp.* Anthony, 1938 = *Glyptocrinus decadactylus*

*Apiocrinus dipenatus* Leuchtenberg, 1843 = *Hybocrinus dipenatus* = *Hoplocrinus dipenatus*

*Apiocrinus radiatus* Eichwald, 1856 = *Cyathocrinus radiatus* = *Cyathocrinites radiatus*

*Apiocrinus scriptus* (Hisinger, 1828) = \**Enalocrinus scriptus*

*APIOGRAPHIOCRINUS* Moore and Plummer, 1940 = ***APOGRAPHIOCRINUS***

*Apiographiocrinus komukensis* Webster and Jell, 1993 = *Apographiocrinus komukensis*

*Apiographiocrinus? sp. nov.* Webster and Jell, 1993 = *Apographiocrinus? sp. nov.*

*APLOCRINUS* d'Orbigny, 1849 = *HAPLOCRINITES*

*Aplocrinus mespiliformis* (Goldfuss, 1831) = *\*Haplocrinites mespiliformis*

**APOARCHAEOCRINUS** Ausich and Copper, 2010. *\*Apoarchaeocrinus anticostiensis*  
Ausich and Copper, 2010.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Ausich and Copper, 2010, p. 11.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

*\*Apoarchaeocrinus anticostiensis* Ausich and Copper, 2010, p. 12, P. 1, figs. 1, 5; Figs.  
5.1-5.2.

Silurian, Llandoveryian, Becsicie Formation, Chabot Member. Canada, Quebec,  
Anticosti Island

**APODACTYLOCRINUS** Strimple and Levorson, 1971. *\*A. keithi* Strimple and  
Levorson, 1971.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.  
Dactylocrinidae

Strimple and Levorson, 1971, p. 9. Webster, 1977, p. 41. Moore *in* Moore and  
Teichert, 1978, p. T804. Webster, 1986, p. 62.

Named, currently recognized species based on cups or crowns: 2 Devonian,  
Frasnian species

Devonian, Frasnian. United States, Iowa

*Apodactylocrinus amanaensis* Strimple and Levorson, 1971, p. 11, Figs. 1, nos. a, c, e,  
g. Webster, 1977, p. 41.

Devonian, Frasnian, Amana Beds. United States, Iowa

*\*Apodactylocrinus keithi* Strimple and Levorson, 1971, p. 9, Fig. 1, nos. b, d, f.  
Webster, 1977, p. 41.

Devonian, Frasnian, upper part of Cerro Gordo Member. United States, Iowa

**APODASMOCRINUS** Warn and Strimple, 1977. *\*A. daubei* Warn and Strimple, 1977.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Warn and Strimple, 1977, p. 91. Frest, Strimple, and McGinnis, 1979, p. 399, Figs.

2, no. H; 4. Warn, 1982, p. 78. Webster, 1986, p. 62. Sevastopulo and Lane,  
1988, p. 251. Clement, 1988, p. 113. Webster, 1988, p. 37. Webster, 1993, p.  
26. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 3 Ordovician  
species, 1 Darriwilian-Sandbian, 2 Sandbian

Ordovician, Darriwilian – Sandbian. United States, Tennessee, Oklahoma



\**Apodasmocrinus daubei* Warn and Strimple, 1977, p. 93, Figs. 21; 22, nos. a-c. Frest, Strimple, and McGinnis, 1979, p. 399, Fig. 7, no. D. Warn, 1982, p. 78, Pl. 4, figs. 13-30; Figs. 17-20. Webster, 1986, p. 62. Webster, 1988, p. 37.  
Ordovician, Darriwilian – Sandbian (Black Riverian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Apodasmocrinus* species cf. \**A. daubei* Warn and Strimple, 1977. Guensburg, 1984, p. 40, Pl. 7, figs. 6, 14-15. Webster, 1988, p. 37.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Apodasmocrinus punctatus* (Brower and Veinus, 1974). Warn and Strimple, 1977, p. 96, Fig. 22, no. d. Frest, Strimple, and McGinnis, 1979, p. 399, Fig. 7, no. E. Webster, 1986, p. 63.

*Ectenocrinus punctatus* Brower and Veinus, 1974, p. 17, Pls. 1, figs. 2-4; 2, figs. 1-6. Warn and Strimple, 1977, p. 96. Webster, 1986, p. 63.  
Ordovician, Sandbian, Benbolt Formation, Hogskin Member, Lincolnshire Formation. United States, Virginia, Tennessee

**APOGRAPHIOCRINUS** Moore and Plummer, 1940. \**A. typicalis* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Apographiocrinoida, F. Apographiocrinidae

Moore and Plummer, 1940, p. 115. Bassler and Moodey, 1943, p. 306. Moore and Laudon, 1943b, p. 55, Fig. 5. Moore and Laudon, 1944, p. 158, Pl. 62, fig. 28. Branson, C. C., 1948, p. 179. Knapp, 1969, p. 355, Fig. 1. Strimple and Moore, 1971a, p. 12. Strimple and Moore, 1971b, p. 17. Webster, 1973, p. 56. Pabian and Strimple, 1974a, p. 275. Pabian and Strimple, 1974b, p. 17. Webster, 1977, p. 41. Moore and Strimple *in* Moore and Teichert, 1978, p. T721. Pabian and Strimple, 1980a, p. 179. Pabian and Strimple, 1985, p. 65. Webster, 1986, p. 63. Webster, 1988, p. 38. Pabian, *et al.*, 1989, p. 300, Fig. 5, no. 4. Pabian and Strimple, 1993, p. 27. Webster, 1993, p. 27. Pabian and Rushlau, 2002, p. 36. *Thomka et al.*, 2012, p. 475, Fig. 9, unnum. No.

**APIOGRAPHIOCRINUS** Moore and Plummer, 1940. Webster and Jell, 1993, p. 356.

Named, currently recognized species based on cups or crowns: 21 species, 1 subspecies. ?1 Mississippian, Viséan. 14 Pennsylvanian, 1 Morrowan, 3 Desmoinesian, 1 Desmoinesian-Missourian, 5 Missourian, 1 Missourian-Virgillian, 2 Virgillian, 1 uncertain. 6 Permian, 1 Sakmarian (+1 subspecies), 1 Sakmarian or early Artinskian, 1 Artinskian, 1 Wolfcampian, 2 series uncertain Early Pennsylvanian - Permian, Morrowan - Wolfcampian. United States Mississippian, Viséan. United Kingdom, Scotland Permian, Artinskian. Australia, Thailand Permian, series uncertain. Timor Early Permian, series uncertain. Greece, Crete

*Apographiocrinus angulatus* Strimple, 1948 = *Apograpiocrinus decoratus*

*Apographiocrinus arcuatus* Strimple, 1949c, p. 6, Pl. 1, figs. 1-10; Fig. 1. Knapp, 1969,

- p. 355. Webster, 1973, p. 56. Webster, 1977, p. 41.  
Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma
- Apographiocrinus calycinus* Moore and Plummer, 1940, p. 128, Pl. 3, fig. 7; Fig. 16a.  
Bassler and Moodey, 1943, p. 306. Knapp, 1969, p. 355. Pabian and Strimple,  
1974a, p. 276, Pl. 38, figs. 6-8. Webster, 1977, p. 41. Webster, 1986, p. 63.  
Pabian and Rushlau, 2002, p. 36.  
Pennsylvanian, Missourian, Graford Formation; Bonner Springs Shale. United  
States, Texas, Nebraska
- Apographiocrinus* sp. cf. *A. calycinus* Moore and Plummer, 1940. Pabian and  
Holterhoff, 1988, p. 83, Fig. 1, no. E. Webster, 1993, p. 27.  
Pennsylvanian, Virgilian, Calhoun Shale. United States, Kansas
- Apographiocrinus carbonarius* (Meek and Worthen, 1861). Moore and Plummer, 1940,  
p. 116. Bassler and Moodey, 1943, p. 306. Cornwell and Cornwell, 1968, Pl. 1,  
fig. 6. Knapp, 1969, p. 355. Webster, 1977, p. 41.  
*Poteriocrinus (Scaphiocrinus) carbonarius* Meek and Worthen, 1861, p. 140,  
Shumard, 1868, p. 391. Meek and Worthen, 1873, p. 562, Pl. 24, fig. 2. Weller,  
S., 1898c, p. 300. Bassler and Moodey, 1943, p. 306.  
*Poteriocrinus carbonarius* Meek and Worthen, 1861. Miller, S. A., 1889, p. 273.  
*?Graphiocrinus carbonarius* (Meek and Worthen, 1861). Wachsmuth and  
Springer, 1880 (1879), p. 123. Lesley, 1889, p. 932, Fig. 2, nos. a-c. Weller, S.,  
1898c, p. 300. Bassler and Moodey, 1943, p. 306.  
*Graphiocrinus carbonarius* (Meek and Worthen, 1861). Miller, S. A., 1889, p. 251.  
*Poteriocrinus (Zeacrinus) carbonarius* Meek and Worthen, 1861. Meek and  
Worthen, 1865, p. 152. Shumard, 1868, p. 391. Weller, S., 1898c, p. 300.  
*Scaphiocrinus carbonarius* (Meek and Worthen, 1861). Miller, S. A., 1889, p. 279.  
Weller, S., 1898c, p. 172, 300.  
*Phialocrinus carbonarius* (Meek and Worthen, 1861). Keyes, 1894a p. 219.  
Weller, S., 1898c, p. 300.  
Pennsylvanian, series uncertain. United States, Illinois, Iowa
- Apographiocrinus decoratus* Moore and Plummer, 1940, p. 126, Pl. 3, fig. 2; Fig. 16d.  
Bassler and Moodey, 1943, p. 307. Knapp, 1969, p. 355. Webster, 1977, p. 42.  
Pabian and Rushlau, 2002, p. 36. Webster and Kues, 2006, p. 19, Figs. 6.7-  
6.10.
- Apographiocrinus angulatus* Strimple, 1948c, p. 11, Pl. 2, figs. 5-8; Fig. 2. Strimple,  
1962e, p. 46. Knapp, 1969, p. 355. Webster, 1973, p. 56. Webster, 1977, p. 41.  
Webster and Kues, 2006, p. 19.
- Apographiocrinus obtusus* Strimple, 1948c, p. 8, Pl. 2, figs. 1-4; Fig. 1. Strimple,  
1962e, p. 46. Knapp, 1969, p. 355. Strimple and Duluk, 1971, p. 244, Figs. 5-7.  
Webster, 1973, p. 56. Webster, 1977, p. 42. Pabian and Rushlau, 2002, p. 36.  
Webster and Kues, 2006, p. 19.  
Pennsylvanian, Desmoinesian - Missourian, Altamont Limestone; Oologah  
Limestone; Mineral Wells Formation United States, Oklahoma, Texas, New  
Mexico, Michigan

- Apographiocrinus exculptus* Moore and Plummer, 1940, p. 123, Pl. 3, fig. 1; Fig. 16f.  
Bassler and Moodey, 1943, p. 307. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 6. Moore and Laudon, 1944, p. 158, Pl. 58, fig. 8. Knapp, 1969, p. 355. Webster, 1973, p. 56. Webster, 1977, p. 42. Moore and Strimple *in* Moore and Teichert, 1978, p. T721, Fig. 477, nos. 1d-1f. Webster, 1986, p. 63.  
Pennsylvanian, late Desmoinesian, Gobbler Formation, Bug Scuffle Member; Missourian, Mineral Wells Formation; Brownwood Shale; Graford Formation; United States, Texas
- Apographiocrinus facetus* Moore and Plummer, 1940, p. 125, Pl. 3, fig. 3; Fig. 16c.  
Bassler and Moodey, 1943, p. 307. Knapp, 1969, p. 355. Webster, 1977, p. 42. Pabian and Rushlau, 2002, p. 36.  
Pennsylvanian, Missourian, Mineral Wells Formation. United States, Texas
- Apographiocrinus* sp. cf. *A. facetus* Moore and Plummer, 1940. Strimple and Moore, 1971b, p. 17, Fig. 5, no. 2. Webster, 1977, p. 42.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma
- Apographiocrinus kietzkei* Webster and Kues, 2006, p. 19, Figs. 6.1-6.3.  
Pennsylvanian, Missourian, Madera Group, Wild Cow Formation, Sol se Mete Member. United States, New Mexico
- Apographiocrinus komukensis* (Webster and Jell, 1993). Pabian and Rushlau, 2002, p. 36 (misspelled as *A. kokumensis*).  
*Apiographiocrinus komukensis* Webster and Jell, 1993, p. 356, Fig. 2, nos. A-D. Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Muk Island
- Apographiocrinus nodosus* Webster, 2012c, p. 106, Fig. 2, nos. P-S, given as nos. 16-19 p. 106.  
Early Permian, Galinos Beds. Greece, Crete
- Apographiocrinus obtusus* Strimple, 1948 = *Apographiocrinus decoratus*
- Apographiocrinus* sp. cf. *A. obtusus* Strimple, 1948. Strimple and Duluk, 1971, p. 244, Figs. 1-4. Webster, 1977, p. 42.  
Pennsylvanian, late Desmoinesian or early Missourian, Woodville Sandstone. United States, Michigan
- Apographiocrinus platybasis* Pabian and Strimple, 1980b, p. 15, Pl. 4, figs. 7-9.  
Webster, 1986, p. 63. Pabian and Rushlau, 2002, p. 36, Fig. 12, nos. 5-6.  
Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member; Deer Creek Formation, Ervine Creek Limestone Member. United States, Nebraska
- Apographiocrinus pumila* (Wanner, 1916) = *Apographiocrinus pumilus*
- Apographiocrinus pumilus* (Wanner, 1916). Bassler and Moodey, 1943, p. 307.  
Branson, C. C., 1948, p. 179. Webster, 1987, p. 121, Fig. 13, nos. A-J. Webster,

- 1993, p. 27. Teichert and Webster, 1993, p. 7, Pl. 66, figs. 16-18.  
*Delocrinus verbeeki* var. *pumila* Wanner, 1916, p. 194, Pls. 107 (12), fig. 10; 108 (13), fig. 2. Bassler and Moodey, 1943, p. 307. Branson, C. C., 1948, p. 179. Wanner, 1949a, p. 14. Webster, 1973, p. 142.  
*Apographiocrinus pumila* (Wanner, 1916). Moore and Plummer, 1940, p. 116. Bassler and Moodey, 1943, p. 307. Branson, C. C., 1948, p. 179.  
*Graphiocrinus pumilus* (Wanner, 1916). Wanner, 1949a, p. 14, Pl. 1, figs. 9-15; Figs. 8-10. Webster, 1973, p. 142.  
 Permian, late Sakmarian - early Artinskian, Callytharra Formation. Timor; Australia, Western Australia
- Apographiocrinus quietus* Strimple, 1948c, p. 9, Pl. 2, figs. 13-16; Fig. 4. Strimple, 1962e, p. 46. Knapp, 1969, p. 355. Webster, 1973, p. 57. Webster, 1977, p. 42. Pennsylvanian, Desmoinesian, Altamont Limestone; Oologah Limestone. United States, Oklahoma
- Apographiocrinus quinquelobus* (Wanner, 1916). Moore and Plummer, 1940, p. 116. Bassler and Moodey, 1943, p. 307. Branson, C. C., 1948, p. 179. Pabian and Rushlau, 2002, p. 36.  
*Graphiocrinus quinquelobus* Wanner, 1916, p. 174, Pl. 104 (9), fig. 14. Bassler and Moodey, 1943, p. 307. Branson, C. C., 1948, p. 179. Wanner, 1949a, p. 28, Pl. 2, figs. 18-21; Fig. 12. Webster, 1973, p. 142.  
 Permian, Sakmarian?. Timor
- Apographiocrinus raderi* Strimple, 1975h, p. 705, Pl. 1, figs. 5-8. Webster, 1986, p. 63. Pabian and Rushlau, 2002, p. 36  
 Pennsylvanian, Morrowan, Magdalena Formation, LaTuna Member. United States, Texas, Arkansas?
- Apographiocrinus rimosus* Webster and Kues, 2006, p. 19, Figs. 6.31-6.32.  
 Pennsylvanian, Missourian, Madera Group, Wild Cow Formation, Sol se Mete Member. United States, New Mexico
- Apographiocrinus rotundus* Strimple, 1948c, p. 8, Pl. 2, figs. 9-12; Fig. 3. Strimple, 1962e, p. 46. Knapp, 1969, p. 355. Webster, 1973, p. 57. Webster, 1977, p. 42. Pabian and Rushlau, 2002, p. 36  
 Pennsylvanian, Desmoinesian, Altamont Limestone; Oologah Limestone. United States, Oklahoma
- Apographiocrinus rugosus* (Wanner, 1916). Burke, 1974b, p. 6. Webster, 1986, p. 63.  
*Delocrinus rugosus* Wanner, 1916 (*non* Shumard, 1858), p. 194, Pl. 108 (13), fig. 4. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 190. Wanner, 1949a, p. 26. Webster, 1973, p. 142. Webster, 1986, p. 63.  
*Ceriocrinus rugosus* (Wanner, 1916). Wanner, 1924, p. 240, Pl. 17, figs. 10-11. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 190. Webster, 1986, p. 63.  
*Graphiocrinus? rugosus* (Wanner, 1916). Wanner, 1949a, p. 26, Pl. 2, figs. 12-16. Webster, 1973, p. 142. Webster, 1986, p. 63.

Permian, series uncertain. Timor, Basleo

*Apographiocrinus? scoticus* (Wright, 1942). Wright, J., 1945, p. 122, Pl. 4, figs. 9, 11-12; Fig. 5). Wright, J., 1952a, p. 119, Pl. 35, figs. 7-10; Fig. 66. Webster, 1973, p.

57. Kammer and Ausich, 2007c, p. 146, unfig., nomen dubium.

*Erisocrinus scoticus* Wright, J., 1942, p. 275, Pl. 12, figs. 7-10, 12.

Carboniferous, Viséan, Lower Limestone Group. United Kingdom, Scotland

\**Apographiocrinus typicalis* Moore and Plummer, 1940, p. 118, Pl. 3, figs. 4-5; Fig. 16b. Bassler and Moodey, 1943, p. 307. Moore and Laudon, 1944, p. 158, Pls. 56, fig. 21; 62, fig. 22. Strimple, 1959a, p. 117, Pls. 1, figs. 1-11; 2, fig. 1. Knapp, 1969, p. 355, Fig. 6. Strimple and Moore, 1971a, p. 12, Pl. 6, fig. 5. Webster, 1973, p. 57. Pabian and Strimple, 1974b, p. 17. Webster, 1977, p. 42. Moore and Strimple *in* Moore and Teichert, 1978, p. T721, Fig. 477, nos. 1a-1c. Pabian and Strimple, 1980a, p. 179, Fig. 9, nos. H, I. Pabian and Strimple, 1980b, p. 15. Webster, 1986, p. 64. Peters and Lane, 1990, p. 428, Figs. 1, nos. 1-7; 2.

Pabian

and Strimple, 1993, p. 27, Fig. 11, nos. g, k-p. Webster, 1993, p. 27. Ausich *in* Hess et al., 1999 p. 156, Fig. 167. Pabian and Rushlau, 2002, p. 36, Fig. 12,

nos.

1-4. Webster and Kues, 2006, p. 19, Figs. 6.15-6.17. *Thomka, et al., 2012, p.469,*

*Fig. 4, no. D-left.*

*Graphiocrinus carbonarius* Strimple, 1938 (*non* Wachsmuth and Springer, 1880), p. 4, Pl. 1, figs. 1-11. Bassler and Moodey, 1943, p. 307.

Late Pennsylvanian, Missourian-Virgilian, Argentine Limestone; Plattsburg Limestone; Deer Creek Formation, Ervine Creek Limestone Member, Haynies Limestone Bed; Drum Formation; Cement City Limestone; Merriam (Meadow Limestone); Stanton Limestone; South Bend Limestone; Palo Pinto Limestone, Millersville Limestone Member; Bond Formation, LaSalle Limestone Member. United States, Nebraska, Iowa, Kansas, Illinois, Missouri, Oklahoma, Texas

*Apographiocrinus verbeeki pumila* (Wanner, 1916). Pabian and Rushlau, 2002, p. 36. Permian, Sakmarian?. Timor

*Apographiocrinus virgilicus* Pabian and Strimple, 1974a, p. 276, Pl. 38, figs. 3-5. Pabian and Strimple, 1985, p. 67, Figs. 16, nos. b-c; 22, nos. d-f; 26, no. 1. Webster, 1986, p. 64. Webster, 1988, p. 38. Pabian and Rushlau, 2002, p. 36.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Member; Stanton Limestone; Kanwaka Formation, Stull Shale Member. United States, Nebraska, Kansas, Iowa

*Apographiocrinus wolfcampensis* Moore and Plummer, 1940, p. 129, Pl. 3, fig. 6; Fig. 16. Bassler and Moodey, 1943, p. 307. Branson, C. C., 1948, p. 179. Knapp, 1969, p. 355. Webster, 1977, p. 42. Pabian and Rushlau, 2002, p. 36.

Permian, Wolfcampian, Cibolo Limestone. United States, Texas

*Apographiocrinus* spp.

Termier, G. and Termier, H., 1950, p. 89, Pl. 222, figs. 1-3. Webster, 1973, p. 57.  
Pennsylvanian, Westphalian. Algeria

Strimple and Watkins, 1969, p. 183, Pls. 34, fig. 5; 55, fig. 3. Webster, 1977, p. 42.  
Pennsylvanian, Desmoinesian, Brannon Bridge Limestone. United States,  
Texas

Strimple, 1972f, Unnum. Fig. p. 144. Webster, 1977, p. 42.  
Pennsylvanian. United States

Pabian and Strimple, 1978a, p. 46, Fig. 2, nos. A-Q. Webster, 1986, p. 64.  
Pennsylvanian, Missourian, Ervine Creek Formation; Stanton Limestone.  
United States, Nebraska

Holterhoff, 1996, p. 184, Fig. 3, no. F. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent  
Thomka et al., 2011, p. 387, Fig. 13. *Thomka et al.*, 2012, p. 475, Fig. 9, unnum.  
No.

Pennsylvanian, Barnsdall Formation. United States, northeastern Oklahoma

*Apographiocrinus?* sp. indet. Hashimoto, 1984, p. 24, Pl. 9, figs. 4a-4c; Fig. 7, nos. 4a-  
4b. Webster, 1993, p. 27.

Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica*  
Biozone.  
Japan

*Apographiocrinus?* sp. nov. Webster and Jell, 1993.

*Apiographiocrinus?* sp. nov. Webster and Jell, 1993, p. 356, Fig. 2, nos. L-N.  
Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Phi Phi Island

**APOKRYPHOCRINUS** Webster, 1997. \*A. wellsvillensis Webster, 1997, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Aphelecrinidae

Webster, 1997, p. 32.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species

Mississippian, early late Tournaisian. United States

*\*Apokryphocrinus wellsvillensis* Webster, 1997, p. 33, Pl. 8, figs. 2, 8.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon  
Formation. United States, Utah

**APOLLOCRINUS** Moore and Plummer, 1940 = **STELLAROCRINUS**

*Apollocrinus angulatus* (Miller and Gurley, 1894) = *Whiteocrinus angulatus* =  
*Stellarocrinus angulatus* = *Celonocrinus angulatus*

*Apollocrinus exsculptus* (Strimple, 1939) = *Stellarocrinus exsculptus*

*Apollocrinus florealis* Moore and Plummer, 1940 = *Stellarocrinus florealis*

*Apollocrinus geometricus* Moore and Plummer, 1940 = *Stellarocrinus geometricus*

*Apollocrinus stillativus* (White, 1879) = *Stellarocrinus stillativus*

*Apollocrinus* sp. White, 1964 = *Stellarocrinus* sp.

**APPALACHIACRINUS** Burke, 1974 = **LAUDONOCRINUS**

*Appalachiacrinus erwini* Burke, 1974 = *Laudonocrinus erwini*

**APUROCRINUS** McIntosh, 1981. \**A. sucrei* McIntosh, 1981.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
McIntosh, 1981a, p. 949. Webster, 1988, p. 38.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
?Emsian species  
Devonian, Emsian?. Bolivia

\**Apurocrinus sucrei* McIntosh, 1981a, p. 949, Fig. 1. Webster, 1988, p. 38.

Devonian, Emsian?, Belen Formation. Bolivia

**ARACHNOCRINUS** Meek and Worthen, 1866. \**Cyathocrinus bulbosus* Hall, 1862.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae  
Meek and Worthen, 1866a, p. 177. Zittel, 1880, p. 351, 364. Wachsmuth and  
Springer, 1880 (1879), p. 92 (315). Miller, S. A., 1889, p. 224. Zittel, 1895, p.  
135. Bather *in* Lankester, 1900, p. 175. Wachsmuth *in* Zittel, 1900, p. 156.  
Springer, 1911c, p. 127. Springer *in* Zittel, 1913, p. 219. Bassler, 1938, p. 43.  
Bassler and Moodey, 1943, p. 307. Moore and Laudon, 1943b, p. 50. Moore and  
Laudon, 1944, p. 153. Ubaghs, 1953, p. 750. Webster, 1973, p. 57. Lane and  
Moore *in* Moore and Teichert, 1978, p. T591. Webster, 1986, p. 64. Webster et  
al., 2008, p. 16.

Named, currently recognized species based on cups or crowns: 5 Devonian  
species, 1 Eifelian, 4 Emsian

Devonian. United States, Kentucky, New York; Canada, Ontario

\**Arachnocrinus bulbosus* (Hall, 1862). Bather, 1893a, p. 169. Springer, 1911c, p. 128,  
Pl. 2, figs. 3-12. Goldring, 1923, p. 353, Pls. 45; 46, fig. 1. Bassler and  
Moodey, 1943, p. 307. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 14. Moore  
and Laudon, 1944, p. 153, Pl. 57, figs. 10, 21. Webster, 1973, p. 57. Lane and  
Moore *in* Moore and Teichert, 1978, p. T591, Fig. 381, nos. 2a-2d. Webster,  
1986, p. 64.

*Cyathocrinus bulbosus* Hall, 1862a, p. 95, Pl. 1, figs. 19-22. Hall, 1862b, p. 123, Pl.  
1, figs. 19-22. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 235. Bassler, 1938,  
p. 44. Bassler and Moodey, 1943, p. 307.

Devonian, Emsian (Ulsterian), Onondaga Limestone. United States, New York;  
Canada, Ontario

*Arachnocrinus canadensis* Whiteaves, 1891 = *Pycnosaccus canadensis*

*Arachnocrinus extensus* Wachsmuth and Springer, 1880 (1879), p. 93 (316). Miller, S. A., 1889, p. 224. Rowley, R. R., 1904b, p. 180, Pl. 54, fig. 1. Springer, 1911c, p. 129, Pls. 1, figs. 1-4; 2, figs. 1-2. Goldring, 1923, p. 355, Pls. 46, fig. 6; 47, figs. 1-2. Bassler and Moodey, 1943, p. 308. Moore and Laudon, 1944, p. 153, Pl. 57, fig. 29. Webster, 1973, p. 57. Lane and Moore *in* Moore and Teichert, 1978, p. T592, Fig. 381, nos. 2e-2f. Webster, 1986, p. 64.

Devonian, Emsian (Ulsterian), Jeffersonville Limestone, Onondaga Limestone. United States, New York

*Arachnocrinus ignotus* Stauffer, 1918, p. 555, Pl. 1, fig. 1. Goldring, 1923, p. 357, Pl. 46, figs. 2-5. Bassler and Moodey, 1943, p. 308. Moore and Laudon, 1944, p. 153, Pl. 57, fig. 14. Webster, 1973, p. 57.

Devonian, Emsian (Ulsterian), Onondaga Limestone. United States, New York

*Arachnocrinus knappi* Wachsmuth and Springer, 1880 (1879), p. 93 (316). Miller, S. A., 1889, p. 224. Springer, 1911c, p. 131, Pl. 1, figs. 5-7. Bassler and Moodey, 1943, p. 308.

Devonian, Emsian (Ulsterian), Jeffersonville Limestone. United States, Kentucky, New York

*Arachnocrinus pisiformis* (Roemer, 1860) = *Nummicrinus pisiformis*

*Arachnocrinus sarizensis* Webster, Yilmaz, and Kozlu, 2008, p. 116, Figs. 4-5.

Devonian, Eifelian, Safaktepe Formation. Turkey

**ARAEOCRINUS** Strimple and Watkins, 1969. \**A. bassus* Strimple and Watkins, 1969. Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae Strimple and Watkins, 1969, p. 196. Webster, 1977, p. 43. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 64.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Atokan species

Pennsylvanian, Atokan. United States

\**Araeocrinus bassus* Strimple and Watkins, 1969, p. 196, Pls. 42, fig. 3; 51, figs. 2-3; 53, figs. 1-2. Webster, 1977, p. 43. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637, Fig. 416, no. 3. Webster, 1986, p. 65.

Pennsylvanian, Atokan, Lemons Bluff Member. United States, Texas

**ARCHAEOCALYPTOCRINUS** Witzke and Strimple, 1981. \**A. nodosus* Witzke and Strimple, 1981.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Eucalyptocrinitidae

Witzke and Strimple, 1981, p. 126, Fig. 17. Webster, 1988, p. 38.

Named, currently recognized species based on cups or crowns: 4 Silurian species, 3 Wenlockian, 1 Niagaran

Silurian, Wenlockian. United States, Iowa, Wisconsin, Illinois



*Archaeocalyptocrinus iowensis* Witzke and Strimple, 1981, p. 127, Pl. 4, figs. 8-11, Fig. 17. Webster, 1988, p. 38.

Silurian, Wenlockian, *Cyclocrinites* Beds. United States, Iowa

\**Archaeocalyptocrinus nodosus* Witzke and Strimple, 1981, p. 127, Pl. 4, figs. 4-7; Fig. 16, no. C; 17. Webster, 1988, p. 38.

Silurian, Wenlockian, *Cyclocrinites* Beds. United States, Iowa

*Archaeocalyptocrinus obconicus* (Hall, 1864). Witzke and Strimple, 1981, p. 127. Webster, 1988, p. 38.

*Eucalyptocrinus obconicus* Hall, 1864c, p. 323, Pl. 11, fig. 1. Hall, 1865, p. 19, Pl. 2, fig. 1. Hall, 1867b, p. 323, Pl. 11, fig. 1. Shumard, 1868, p. 370. Hall, 1870, p. 365, Pl. 11, fig. 1. Miller, S. A., 1889, p. 244. Weller, 1900, p. 109, Pl. 7, fig. 8. Slocum, 1907, p. 301, Pl. 86, figs. 1-3. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 465. Witzke and Strimple, 1981, p. 127. Webster, 1988, p. 38.

*Eucalyptocrinites obconicus* (Hall, 1864). Bassler and Moodey, 1943, p. 465.

*Hypanthocrinus obconicus* (Hall, 1864). Bigsby, 1868, p. 21.

Silurian, Niagaran, Racine Dolomite. United States, Wisconsin, Illinois

*Archaeocalyptocrinus slocumi* (Foerste, 1920). Witzke and Strimple, 1981, p. 127, Fig. 16, no. D. Webster, 1988, p. 38.

*Eucalyptocrinites slocumi* Foerste, 1920, p. 72.

*Eucalyptocrinus slocumi* (Foerste, 1920). Witzke and Strimple, 1981, p. 127.

Webster, 1988, p. 38.

Silurian, Wenlockian. United States, Illinois

*Archaeocalyptocrinus slocumi* (Foerste, 1920) = *Archaeocalyptocrinus slocumi*

Archaeocrinid indeterminate Donovan, 1989f, p. 246, Fig. 11.4, no. D. Donovan, 1991b, p. 251, Fig. 11.4, no. D. Webster, 1993, p. 27.

Ordovician, Sandbian (Caradocian). United Kingdom

Archaeocrinidae and Rhodocrinitidae Moore, 1954, p. 14, Fig. 7, no. A (plate diagram). Webster, 1973, p. 271.

**ARCHAEOCRINUS** Wachsmuth and Springer, 1881. \**Glyptocrinus lacunosus* Billings, 1857.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Archaeocrinidae Wachsmuth and Springer, 1881, p. 189 (363). Wachsmuth and Springer, 1885, p. 96

(318). Miller, S. A., 1889, p. 224. Wachsmuth and Springer, 1897, p. 253. Bather in Lankester, 1900, p. 200. Wachsmuth in Zittel, 1900, p. 145. Weller, 1900, p.

88. Grabau and Shimer, 1910, p. 550. Springer in Zittel, 1913, p. 188. Bassler, 1915, p. 59. Bassler, 1938, p. 44. Bassler and Moodey, 1943, p. 308. Moore and Laudon, 1943b, p. 82, Fig. 13. Moore and Laudon, 1944, p. 183, Pl. 70, fig. 6. Ubaghs, 1950, p. 120, Fig. 8. Ubaghs, 1953, p. 736. Ramsbottom, 1961, p. 23, Fig. 10. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 57. Brower and

- Veinus, 1974, p. 66. Ubaghs *in* Moore and Teichert, 1978, p. T415. Kolata, 1982, p. 181. Guensburg, 1984, p. 36. Donovan, 1985a, p. 125. Webster, 1986, p. 65. Broadhead, 1987, p. 179. Ausich, 1988, p. 909, Fig. 1, no. 1. Webster, 1988, p. 38. Webster, 1993, p. 27. Ausich, 1998b, p. 35.
- Named, currently recognized species based on cups or crowns: 11 Ordovician species, 1 Darriwillian, 6 Sandbian, 4 Katian  
Ordovician, Darriwillian - Katian. North America
- Archaeocrinus asperatus* Wachsmuth and Springer, 1886 = *Deocrinus asperatus*
- Archaeocrinus asperatus* Miller and Gurley, 1894 = *Diabolocrinus asperatus* = *D. vesperalis*
- Archaeocrinus buckhornensis* Kolata, 1982, p. 181, Pl. 17, figs. 10-11. Webster, 1988, p. 38.  
Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Archaeocrinus conicus* Kolata, 1982, p. 182, Pl. 17, figs. 8-9. Webster, 1988, p. 39.  
Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Archaeocrinus? delicatus* Hudson, 1907, p. 129, Unnum. Fig. Bassler and Moodey, 1943, p. 308.  
*Archaeocrinus? deliculatus* Hudson, 1907. Bassler, 1915, p. 59 (sic).  
Ordovician, Sandbian (Chazyan), Valcour Limestone. United States, New York
- Archaeocrinus? deliculatus* Hudson, 1907 = *Archaeocrinus? delicatus*
- Archaeocrinus depressus* Weller, 1900 = *\*Peremocrinus depressus*
- Archaeocrinus desideratus* Billings, 1885 = *Cotylacrinna desideratus*
- "*Archaeocrinus*" *desideratus* Billings, 1885. Broadhead, 1987, p. 184. Webster, 1993, p. 27.  
Ordovician, Champlainian. North America
- Archaeocrinus elevatus* Ramsbottom 1961 = *Neoarchaeocrinus elevatus*
- Archaeocrinus globularis* (Nicholson and Etheridge, 1880) = *Diabolocrinus globularis*
- Archaeocrinus knoxensis* Miller and Gurley, 1895 = *Diabolocrinus vesperalis*
- \**Archaeocrinus lacunosus* (Billings, 1857). Miller, S. A., 1889, p. 225. Wachsmuth and Springer, 1897, p. 255, Pl. 10, fig. 1. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 308. Wilson, A. E., 1946, p. 25. Strimple, 1963d, p. 70, Fig. 19, no. a. Webster, 1973, p. 57. Ubaghs *in* Moore and Teichert, 1978, p. T415, Fig. 226, nos. 1b-1c. Webster, 1986, p. 65.

*Glyptocrinus lacunosus* Billings, W. R., 1857a, p. 261. Billings, 1859, p. 61, Pl. 8, figs. 3a-3e. Shumard, 1868, p. 373. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 60. Bassler, 1938, p. 44. Bassler and Moodey, 1943, p. 308.

Ordovician, Darriwilian, Katian (Champlainian), Cobourg Limestone, Hull Limestone. Canada, Ontario

*Archaeocrinus marginatus* (Billings, 1857). Wachsmuth and Springer, 1881, p. 190 (364). Miller, S. A., 1889, p. 225. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 308. Webster, 1973, p. 57.

*Glyptocrinus marginatus* Billings, W. R., 1857, p. 260. Billings, W. R., 1859, p. 59, Pl.

9, figs. 1-1a. Shumard, 1868, p. 373. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 308. Wilson, A. E., 1946, p. 28. Webster, 1973, p. 57.

Ordovician, Katian (Champlainian), Cobourg Limestone, Hull Limestone. Canada, Ontario

*Archaeocrinus microbasalis* (Billings, 1857). Miller, S. A., 1889, p. 225. Wachsmuth and Springer, 1897, p. 256, Pl. 10, figs. 2-2c. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309. Wilson, A. E., 1946, p. 26. Webster, 1973, p. 57.

Ubaghs *in* Moore and Teichert, 1978, p. T415, Fig. 226, nos. 1c-1d. Webster, 1986, p. 65.

*Thysanocrinus (Rhodocrinus) microbasalis* Billings, W. R., 1857, p. 264. Shumard, 1868, p. 398. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309.

*Rhodocrinus microbasalis* (Billings, 1857). Billings, W. R., 1859a, p. 63, Pl. 6, fig. 2. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 277. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309.

*Thysanocrinus microbasalis* Billings, 1857. Shumard, 1868, p. 398. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 286.

Ordovician, Katian (Champlainian), Cobourg Limestone, Hull Limestone, Curdsville Limestone. Canada, Ontario, Quebec; United States, Kentucky

*Archaeocrinus obconicus* Slocum, 1924 = *Neoarchaeocrinus obconicus*

*Archaeocrinus ottawaensis* Wilson, A. E., 1946, p. 26, Pl. 5, fig. 1; Fig. 1. Webster, 1973, p. 57.

Ordovician, Katian (Champlainian), Cobourg Limestone. Canada, Ontario

cf. *Archaeocrinus ottawaensis* Wilson, A. E., 1946, p. 27. Webster, 1973, p. 58.

Ordovician, Katian (Champlainian), Cobourg Limestone. Canada, Ontario

*Archaeocrinus parvus* Miller and Gurley, 1894 = *Diaboloocrinus vesperalis*

*Archaeocrinus peculiaris* Miller and Gurley, 1894b, p. 17, Pl. 2, figs. 1-3. Miller, S. A., 1897, p. 734, Fig. 1299-1300. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309. Brower and Veinus, 1974, p. 67, Pl. 9, figs. 2-8. Webster, 1986, p. 65.

Ordovician, Sandbian (Chazyan), Heiskell Shale, Benbolt Formation; Lincolnshire

Formation, Hogskin Member; Ottosee Shale or Sevier Shale. United States, Virginia, Tennessee

*Archaeocrinus pyriformis* (Billings, 1857) = \**Neoarchaeocrinus pyriformis*

*Archaeocrinus? ramulosus* Wachsmuth and Springer, 1883 = *Glyptocrinus ramulosus*

*Archaeocrinus sculptus* (Miller, 1882) = *Diaboloocrinus vesperalis*

*Archaeocrinus snyderi* Guensburg, 1984, p. 36, Pls. 5, figs. 7-11, 14-17, 19; 6, figs. 3, 5-6. Webster, 1988, p. 39. Guensburg, 1992a, p. 140, Figs. 8, no. 4; 9, nos. 1-7; 14 (diagramatic).

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Archaeocrinus subovalis* Strimple, 1953a, p. 606, Figs. 1-7. Strimple, 1963d, p. 70, Fig. 19, no. d. Webster, 1973, p. 58. Kolata, 1982, p. 183, Pls. 17, figs. 12-14; 18, figs. 1-3. Webster, 1988, p. 39.

Ordovician, Sandbian, Bromide Formation, Pooleville Member. United States, Oklahoma

*Archaeocrinus* spp.

Philip, 1965, p. 767, Fig. 1, no. f. Webster, 1973, p. 58.

Ordovician

Kolata, 1982, p. 185, Pl. 17, figs. 15-16. Webster, 1988, p. 39.

Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma

Guensburg, 1995, p. 77, Fig. 5.

Ordovician

Guensburg et al, 2010, 435, Fig. 5, no. D.

Age not given

**ARCHAEOISOCRINUS** Webster and Jell, 1999. \**Archaeoisocrinus occiduaustralis* Webster and Jell, 1999.

Sbc. Cladida, Inf. Articulata, O. Isocrinida, F. Isocrinidae

Webster and Jell, 1999b, p. 334.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, Artinskian. Australia, Western Australia

\**Archaeoisocrinus occiduaustralis* Webster and Jell, 1999b, p. 335, Figs. 35, nos. A-D; 36.

Permian, Artinskian, Cundlego Sandstone. Australia, Western Australia

**ARCHAETAXOCRINUS** Lewis, 1981. \**A. burfordi* Lewis, 1981.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Colpodecrinidae

Lewis, R. D., 1981, p. 233. Webster, 1988, p. 39. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 2 Ordovician

species, 1 Darriwilian, 1 Dapingian  
Ordovician, Dapingian – Darriwilian (Whiterockian). United States, Utah, Oklahoma

\**Archaetaxocrinus burfordi* Lewis, R. D., 1981, p. 233, Pl. 1, figs. 1-8; Figs. 1-2.  
Webster, 1988, p. 39.  
Ordovician, Darriwilian (Whiterockian), Oil Creek Formation. United States,  
Oklahoma

*Archaetaxocrinus lanei* Lewis, R. D., 1981, p. 236, Pl. 1, Figs. 9-10. Webster, 1988, p.  
39.

*Cupulocrinus* sp. A Lane, N. G., 1970 a, p. 7, Pl. 1, fig. 9; Fig. 2, no. D. Webster,  
1977, p. 62. Lewis, R. D., 1981, p. 236. Webster, 1988, p. 39.  
Ordovician, Dapingian (Llanvirnian), Whiterockian, Kanosh Shale. United States,  
Utah

**ARCOBRACHIOLA** Termier and Termier, 1974. *Nomen vetitum*.

Termier, H. and Termier, G., 1974, p. 31. Jeffords *in* Moore and Teichert, 1978, p.  
T937. Webster, 1986, p. 65.  
Devonian, Couvinian - Givetian. Morocco

*Arcobrachiola* sp. 1. Termier, H. and Termier, G., 1974, p. 31, Pl. 4, figs. 9-10.  
Webster, 1986, p. 65.  
Devonian, Couvinian - Givetian. Morocco

**ARISTOCRINUS** Rowley, 1895 = **DACTYLOCRINUS**

*Aristocrinus concavus* (Rowley, 1893) = *Dactylocrinus concavus*

**ARKACRINUS** Knapp, 1969. \**Delocrinus dubius* Mather, 1915.

Sbc. Cladida, O. Dendrocinida, Spf. Cromyocrinoidea, F. Phanocrinidae  
Knapp, 1969, p. 357, Fig. 3. Moore and Strimple, 1973, p. 63. Webster, 1977, p.  
43. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T711. Webster,  
1986, p. 65. Webster, 1993, p. 27.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian,  
Morrowan species

Pennsylvanian, Morrowan. United States, Oklahoma, Arkansas

*Arkacrinus constrictus* Moore and Strimple, 1973, p. 63, Pl. 15, figs. 1a-d. Webster,  
1977, p. 43.

Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

\**Arkacrinus dubius* (Mather, 1915). Knapp, 1969, p. 357, Fig. 11. Moore and Strimple,  
1973, p. 63. Webster, 1977, p. 43. Moore, Strimple, and Lane *in* Moore and  
Teichert, 1978, p. T711, Fig. 468, no. 1. Webster, 1986, p. 65.

*Delocrinus dubius* Mather, 1915, p. 105, Pl. 3, figs. 7-7b; Fig. 2 (?crinoid plates, p.  
109, Pl. 2, figs. 4-4a). Croneis, 1930, p. 85, Pl. 21, figs. 21-22. Bassler and  
Moodey, 1943, p. 587. Knapp, 1969, p. 357. Webster, 1973, p. 192. Webster,  
1977, p. 43.

*Paradelocrinus dubius* (Mather, 1915). Moore and Plummer, 1938, p. 297, Pl. 13, figs. 2a-2c; Fig. 36. Bassler and Moodey, 1943, p. 587. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 31; 65, fig. 21. Strimple, 1960b, p. 154, Fig. 2, no. H. Webster, 1973, p. 192.

Pennsylvanian, Morrowan, Morrow Formation, Brentwood Member. United States, Oklahoma, Arkansas

*Arkacrinus?* sp. indet. Hashimoto, 1984, p. 20, Pl. 9, figs. 1a-1c; Fig. 6, nos. 4a-4b. Webster, 1993, p. 27.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

Arm branching patterns Jaekel, 1897, p. 45, Figs. a-c (diagramatic).

Palaeozoic

Arm fragment Yeltyschewa and Schewtschenko, 1960, Pl. 1, fig. 11. Webster, 1973, p. 271.

Mississippian. Russia, Tien-Shan Mountains

Arm of a Pennsylvanian crinoid Welch, 1976, p. 224, Fig. 2. Webster, 1986, p. 322.

Pennsylvanian, Missourian, Seminole Formation. United States, Oklahoma

Arm of an Upper Pennsylvanian crinoid Lane *in* Moore and Teichert, 1978, p. T347, Fig. 218, no. 3. Webster, 1986, p. 322.

Pennsylvanian, Missourian, Seminole Formation. United States, Oklahoma

Armbundel von Crinoide sp. indet. Hauser, 1999, Pl. 17, fig. 1.

Devonian, Frasnian (F2i) Neuville Formation. Ardenne

**ARMENOCRINUS** Strimple and Horowitz, 1971. \**A. watersi* Strimple and Horowitz, 1971.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. uncertain, related to blothrocrinids

Strimple and Horowitz, 1971, p. 23. Webster, 1977, p. 43. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674. Burdick and Strimple, 1983a, p. 142. Webster, 1986, p. 65. Lane and Sevastopulo, 1990, p. 336. Kammer and Ausich, 1992, p. 478. Webster, 1993, p. 27.

Named, currently recognized species based on cups or crowns: 3 Mississippian species, 2 Viséan, 1 Serpukhovian

Mississippian, Viséan – Serpukhovian (Osagean – Meramecian). United States, Indiana, Alabama

*Armenocrinus collinsi* Strimple and Horowitz, 1971 = *Ampelocrinus collinsi*

*Armenocrinus neglectus* (Miller and Gurley, 1896). Strimple and Horowitz, 1971, p. 26, Fig. 9, nos. 1-2. Webster, 1977, p. 43. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 445, nos. 1b-1c. Webster, 1986, p. 66. Kammer and Ausich, 1992, p. 478.

- Barycrinus neglectus* Miller and Gurley, 1896b, p. 28, Pl. 2, figs. 10-12. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Strimple and Horowitz, 1971, p. 26. Webster, 1977, p. 43.
- Barycrinus? neglectus* Miller and Gurley, 1896. Van Sant *in* Van Sant and Lane, 1964, p. 74. Webster, 1973, p. 63. Kammer and Ausich, 1992, p. 478. Mississippian, Viséan (late Osagean), Edwardsville Formation, Ramp Creek Formation. United States, Indiana, *non* Iowa
- Armenocrinus tenuidactylus* (Worthen, 1882). Kammer and Ausich, 1992, p. 478, Figs. 3.4, 7.
- Poteriocrinus tenuidactylus* Worthen, 1882 (non Meek and Worthen, 1865), p. 6 (part). Worthen, 1883, p. 271, Pl. 28, fig. 13. Bassler and Moodey, 1943, p. 583. Kammer and Ausich, 1992, p. 478.
- Scaphiocrinus obscurus* Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 583. Kammer and Ausich, 1992, p. 478.
- Pachylocrinus obscurus* (Wachsmuth and Springer, 1886). Bassler and Moodey, 1943, p. 583. Kammer and Ausich, 1992, p. 478. Mississippian, Viséan (late Osagean), lower part of the Warsaw Formation. United States, Iowa
- \**Armenocrinus watersi* Strimple and Horowitz, 1971, p. 25, Figs. 9, no. 4; 10, nos. 1, 4. Webster, 1977, p. 43. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 445, no. 1a. Burdick and Strimple, 1983a, p. 143, Fig. 14. Webster, 1986, p. 66. Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama
- Armenocrinus?* sp. indet. Hashimoto, 1984, p. 11, Pls. 2, figs. 1a-1c; 3, figs. 1a-1c; Fig. 4, nos. 8a-9b. Webster, 1993, p. 27. Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan
- Armlets Webster and Maples, 2008, p. 212, Fig. 10.3, no. 2. Diagramatic.
- Arms indeterminate Webster, Maples, and Yazdi, 2007, p. 1114, Fig. 5, no. 3. Mississippian, late Tournaisian, Mobarak Formation. Northern Iran
- Arms of crinoid Etheridge *in* Jack and Etheridge, 1892, p. 210, Pl. 7, fig. 7 (labeled as undescribed crinoid on plate explanation). Permian, Artinskian, Gympie Beds. Australia, Queensland
- Arms of crinoid Etheridge *in* Jack and Etheridge, 1892 (part) = *Poteriocrininid* arms indet. #1

Arms of crinoid Etheridge *in* Jack and Etheridge, 1892 (part) = Poteriocrinid arms  
indet. #2

Arms of a crinoid Chaloner and Allen, 1970, p. 28, Fig. 4.  
Late Devonian. United Kingdom

**ARRECTOCRINUS** Knapp, 1969. \**Delocrinus abruptus* Moore and Plummer, 1940.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
Catacrinidae

Knapp, 1969, p. 364. Pabian and Strimple, 1974a, p. 272. Pabian and Strimple,  
1977b, p. 106. Webster, 1977, p. 43. Moore, Strimple, and Lane *in* Moore and  
Teichert, 1978, p. T717. Pabian and Strimple, 1985, p. 44. Webster, 1986, p. 66.  
Webster, 1988, p. 39. Pabian and Strimple, 1993, p. 18, fig. 8, nos. a-d, k-m.  
Pabian and Rushlau, 2002, p. 19.

**METARRECTOCRINUS** Knapp, 1969. \**Delocrinus major* Weller, 1909. Knapp,  
1969, p. 364, Fig. 3. Webster, 1977, p. 112. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T717.

Named, currently recognized species based on cups or crowns: 7 species. 4  
Pennsylvanian, Virgilian; 1 Pennsylvanian, Missourian – Permian, Wolfcampian;  
2 Permian, Wolfcampian

Pennsylvanian - Permian, Missourian – Wolfcampian. United States

\**Arrectocrinus abruptus* (Moore and Plummer, 1940). Knapp, 1969, p. 364, Fig. 19.  
Webster, 1977, p. 44. Moore, Strimple, and Lane *in* Moore and Teichert, 1978,  
p. T717, Fig. 473, no. 1. Webster, 1986, p. 66. Pabian and Rushlau, 2002, p. 20.

*Delocrinus abruptus* Moore and Plummer, 1940, p. 289, Pl. 18, figs. 3-4; Fig. 59.  
Bassler and Moodey, 1943, p. 408. Moore and Laudon, 1944, p. 173, Pls. 62,  
fig. 33; 65, fig. 17. Branson, C. C., 1948, p. 189. Knapp, 1969, p. 364. Webster,  
1973, p. 100. Webster, 1977, p. 44.

Permian, Wolfcampian, Moran Formation, Florena Shale, Beattie Formation. United  
States, Kansas, Texas

*Arrectocrinus comminutus* Pabian and Strimple, 1974a, p. 273, Pl. 38, figs. 12-15.  
Pabian and Strimple, 1980b, p. 7, unfig. Webster, 1986, p. 66. Pabian and  
Rushlau, 2002, p. 20.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member; Oread  
Formation, Plattsmouth Limestone Member; Topeka Formation, Curzon  
Limestone Member. United States, Nebraska, Iowa

*Arrectocrinus hopperi* Pabian and Strimple, 1977b, p. 106, Pl. 1, figs. 1-5. Pabian and  
Strimple, 1980b, p. 7. Webster, 1986, p. 66. Pabian and Rushlau, 2002, p. 20.

Pennsylvanian, Virgilian, Topeka Formation, Curzon Limestone Member;  
Lecompton Formation, Beil Limestone Member. United States, Nebraska

*Arrectocrinus* sp. cf. *A. hopperi* Pabian and Strimple, 1977. Pabian and Strimple, 1993,  
p. 18, Fig. 8, nos. e-g.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States,  
Nebraska, Kansas



- Arrectocrinus iowensis* Pabian and Strimple, 1980b, p. 7, Pls. 1, figs. 13-14; 2, figs. 1-3. Pabian and Strimple, 1985, p. 44, Fig. 27, nos. e-g. Webster, 1986, p. 66. Webster, 1988, p. 39. Pabian and Rushlau, 2002, p. 20, Fig. 4, nos. 12-13. Pennsylvanian, Virgilian, Oread Formation, Plattsmouth Limestone Member; Cass Formation, Haskell Limestone Member. United States, Iowa, Nebraska
- Arrectocrinus* sp. cf. *A. iowensis* Pabian and Strimple, 1980. Pabian and Rushlau, 2002, p. 20, Fig. 4, nos. 12-13. Pennsylvanian, Virgilian, Kanwaka Shale. United States, Iowa
- Arrectocrinus major* (Weller, 1909). New Combination  
*Delocrinus major* Weller, S., 1909b, p. 628, Pl. 1, figs. 6-7. Moore and Plummer, 1940, p. 292, Pl. 15, fig. 10; Fig. 60. Bassler and Moodey, 1943, p. 410. Branson, C. C., 1948, p. 190. Knapp, 1969, p. 364. Webster, 1977, p. 112. Ubaghs in Moore and Teichert, 1978, p. T100, Fig. 74, no. 4. Webster, 1986, p. 121.  
*Metarrectocrinus major* (Weller, 1909). Knapp, 1969, p. 364, Fig. 20. Webster, 1977, p. 112. Permian, Wolfcampian, Cibolo Limestone. United States, Texas
- Arrectocrinus stanleyi* Pabian and Strimple, 1977b, p. 108, Pl. 1, figs. 6-9. Pabian and Strimple, 1980b, p. 7. Webster, 1986, p. 67. Pennsylvanian, Virgilian, Lecompton Formation, Doniphan Shale Member; Beil Limestone Member; Deer Creek Formation, Ervine Creek Limestone. United States, Iowa
- Arrectocrinus texanus* (Weller, 1909). New combination  
*Delocrinus texanus* Weller, S., 1909b, p. 627, Pl. 1, figs. 12-13. Bassler and Moodey, 1943, p. 451. Branson, C. C., 1948, p. 192. Knapp, 1969, p. 364. Webster, 1977, p. 112.  
*Endelocrinus texanus* (Weller, 1909). Moore and Plummer, 1940, p. 255, Pl. 14, fig. 12; Fig. 63. Bassler and Moodey, 1943, p. 451. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 10. Branson, C. C., 1948, p. 192. Webster, 1973, p. 122. Webster, 1977, p. 112. Pabian and Strimple, 1993, p. 22, Fig. 9, nos. d-f.  
*Metarrectocrinus texanus* (Weller, 1909). Knapp, 1969, p. 364. Webster, 1977, p. 112. Pennsylvanian, Missourian, ?Virgilian - Permian, Wolfcampian, South Bend Limestone; Cibolo Limestone. United States, Texas, Nebraska
- ARROYOCRINUS** Lane and Webster, 1966. \**A. popenoei* Lane and Webster, 1966. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. uncertain, related to blothrocrinids. Lane and Webster, 1966, p. 40. Webster, 1973, p. 58. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T674. Webster, 1986, p. 67. Named, currently recognized species based on cups or crowns: 3 Permian species, 1 Artinskian, 1 Wolfcampian, 1 late Guadalupian or early Ochoan

Permian, middle Wolfcampian - late Guadalupian or early Ochoan. United States, Nevada, Utah

*Arroyocrinus brachiatus* Webster and Lane, 2007, p. 958, Fig. 2, no. 8.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

\**Arroyocrinus popenoei* Lane and Webster, 1966, p. 41, Pl. 9, figs. 1-6; Figs. 15-17.  
Webster and Lane, 1967, p. 22, Pls. 6, figs. 4, 6 (*non* fig. 5 as given); 7, fig. 2.  
Webster, 1973, p. 58. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 444, no. 1. Webster, 1986, p. 67.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Arroyocrinus stokesi* Strimple and Miller, 1977, p. 9, Fig. 1-2. Webster, 1986, p. 67.  
(Not an *Arroyocrinus*, GDW)  
Permian, late Guadalupian or early Ochoan, Park City Formation, Franson Member. United States, Utah

**ARTAOOCRINUS** Ausich and Kammer, 2009. \**Platycrinus pendens* Springer, 1926.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinittidae  
Ausich and Kammer, 2009, p. 713.  
Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species  
Mississippian, Tournaisian (early Kinderhookian). United States

\**Artaocrinus pendens* (Springer, 1926). Ausich and Kammer, 2009, p. 714, Figs. 3.7-3.9.  
*Platycrinus pendens* Springer, 1926b, p. 38, Pl. 9, figs. 5-5a. Laudon and Beane, 1937, p. 249, Pl. 17, fig. 3; 19, fig. 1. Bassler and Moodey, 1943, p. 624.  
Ausich and Kammer, 2009, p. 714.  
*Platycrinites pendens* (Springer, 1926). Bassler and Moodey, 1943, p. 624. Ausich and Kammer, 2009, p. 714.  
Mississippian, Tournaisian (early Kinderhookian), Hampton Formation. United States, Iowa

**ARTHACANTHA** of authors = **ARTHROACANTHA**

*Arthracantha carpenteri* (Hinde, 1885) = *Arthroacantha carpenteri*

*Arthracantha cooperi* Goldring *in* Cooper and Williams, 1935 = *Arthroacantha cooperi*

*Arthracantha depressa* Wachsmuth and Springer, 1897 = *Arthroacantha depressa*

*Arthracantha granosa* Goldring, 1923 = *Arthroacantha granosa*

*Arthracantha ithacensis* Williams, 1883 = *Arthroacantha ithacensis*

*Arthracantha mamelonifera* Thomas, 1924 = *Arthroacantha mamelonifera*

*Arthracantha punctobrachiata* (Hall, 1872) = *Arthroacantha punctobrachiata*

*Arthracantha punctobrachiata* (Whiteaves, 1887) (*non* Hall, 1872) = *Arthroacantha carpenteri*

*Arthracantha similis* Goldring *in* Cooper and Williams, 1935 = *Arthroacantha similis*

*Arthracantha splendens* Goldring, 1923 = *Arthroacantha splendens*

**ARTHROACANTHA** Williams, 1883. \**A. ithacensis* Williams, 1883.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinotoidea, F. Hexacrinidae

Williams, 1883, p. 84. Wachsmuth and Springer, 1885, p. 116 (338). Whiteaves, 1887, p. 96. Miller, S. A., 1889, p. 225. Wachsmuth *in* Zittel, 1900, p. 140.

Schmidt, W. E., 1915, p. 119 Schmidt, W. E., 1934, p. 49. Bassler, 1938, p. 45.

Maillieux, 1940, p. 16. Bassler and Moodey, 1943, p. 309. Moore and Laudon,

1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 197. Cuénot, 1948, p. 69.

Ubaghs, 1953, p. 740. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 58.

Pabian and Strimple, 1976a, p. 761. Webster, 1977, p. 44. Ubaghs *in* Moore and

Teichert, 1978, p. T475. Webster, 1986, p. 67, 1988, p. 39. Webster, 1993, p.

28. Hauser, 1999, p. 99, Fig. 33. Hauser, 2000, p. 53, Fig. p. 55. Hauser, 2001,

p. 46, Fig. 32. Hauser, 2003, p. 14, Fig. 3. Hauser, 2008, p. 34. Fig. 78. LeMenn,

2009, p. 468, Fig. 23, nos. c-d.

**ARTHROACANTHA** Hinde, 1886, p. 273. Wachsmuth and Springer, 1897, p. 741.

Bather *in* Lankester, 1900, p. 158. Grabau and Shimer, 1910, p. 520. Bassler,

1938, p. 45. Bassler and Moodey, 1943, p. 309.

**HYSTRICRINUS** Hinde, 1885, p. 168. \**H. carpenteri* Hinde, 1885. Miller, S. A.,

1889, p. 256. Zittel, 1895, p. 127. Bassler, 1938, p. 117. Bassler and Moodey,

1943, p. 309.

Named, currently recognized species based on cups or crowns: 22 Devonian

species, 6 Emsian, 2 Eifelian, 4 Eifelian or Givetian, 4 Givetian, 1 Givetian –

Frasnian, 5 Frasnian

Early Devonian. Europe

Early - Late Devonian. North America

*Arthroacantha carpenteri* (Hinde, 1885). Wachsmuth and Springer, 1885, p. 119 (341).

Miller, S. A., 1889, p. 225. Bassler and Moodey, 1943, p. 309. Kier, 1952,

p. 69,

Pl. 3, figs. 6-9. Bowsher, 1955a, p. 2, Pl. 2, figs. 1-2. La Rocque and Marple,

1955, p. 94, Fig. 232. Webster, 1973, p. 58. Kesling and Chilman, 1975, p. 166,

Pls. 29, figs. 1-3; 31, fig. 12; 37, figs. 3-5; 51, fig. 5; 61, figs. 1-12; 62, figs. 1-19;

63, figs. 1-5; 94, fig. 2; 135; Unnum. Fig. p. 266. Webster, 1986, p. 67. Webster,

1988, p. 39. Boucot, 1990, p. 24, Fig. 12. Ausich, 1996b, p. 248, Fig. 17-6, nos.

1-3. Brett *in* Hess et al., 1999 p. 131, Figs. 140-141. Baumiller, 2002, p. 136,

Figs. 2, no. A-D; 4, no. B. Baumiller and Gahn, 2002, p. 201, Fig. 2, nos. 1, 3, 5.

- Gahn, Fabian, and Baumiller, 2003, p. 156, Fig. 1, nos. A-B. Stinchcomb, 2008, p. 101, Fig. 06-30. Baumiller, Gahn, and Saville, 2004, p. 396, Figs. 3-5.
- Arthroacantha carpenteri* (Hinde, 1885). Goldring, 1923, p. 288, Pl. 60, figs. 1-3; Fig. 52. Stewart, 1927, p. 22, Pl. 1, figs. 9-11. Stewart, 1940, p. 55, Pl. 1, fig. 5; Fig. 1. Bassler and Moodey, 1943, p. 309.
- Hystericrinus carpenteri* Hinde, 1885, p. 162, Pl. 6, figs. 1-16; Unnum. Fig. Dacqué, 1921, p. 464, Fig. 221, no. A. Bassler and Moodey, 1943, p. 309.
- Anthroacantha carpenteri* (Hinde, 1885). Mironova and Yeltyschewa, 1978, p. 26, Fig. 4, no. a.
- Arthroacantha punctobrachiata* Whiteaves, 1889, p. 96, Pl. 13, figs. 1-1a. Bassler and Moodey, 1943, p. 310.
- Arthroacantha punctobrachiata* (Whiteaves, 1889). Wachsmuth and Springer, 1897, p. 750, Pl. 76, figs. 2a-2b. Wood, E., 1904, p. 81, Pl. 16, fig. 4. Shimer and Grabau, 1912, p. 520, Fig. 1844. Bassler and Moodey, 1943, p. 310.
- Devonian, Givetian, Silica Formation, Arkona Beds. United States, Ohio, Michigan; Canada, Ontario
- Arthroacantha* sp. cf. *A. carpenteri* (Hinde, 1885). Fraunfelder, 1974, p. 12, Pl. 1, fig. 15. Webster, 1986, p. 67.
- Devonian, Givetian, St. Laurent Limestone. United States, Illinois
- Arthroacantha claviger* Schmidt, W. E., 1934, p. 49, Pl. 6, figs. 1a-1b; Figs. b, b-1. Bassler and Moodey, 1943, p. 310. Lehmann, 1943, Unnum. Figs. p. 20-21. Webster, 1977, p. 44. Hauser, 2003, p. 15, Fig. 5.
- Devonian, early Emsian, Hunsrückschiefer. Germany
- Arthroacantha cooperi* (Goldring in Cooper and Williams, 1935). Bassler and Moodey, 1943, p. 310.
- Arthroacantha cooperi* Goldring in Cooper and Williams, 1935, p. 834, Pl. 58, figs. 13, 19. Bassler and Moodey, 1943, p. 310.
- Devonian, Givetian, Tully Limestone, Westbrook Member. United States, New York
- Arthroacantha depressa* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 310. Ubaghs in Moore and Teichert, 1978, p. T475, Figs. 279, no. 4b. Webster, 1986, p. 67. Hauser, 2003, p. 15, Fig. 6.
- Arthroacantha depressa* Wachsmuth and Springer, 1897, p. 751, Pl. 76, figs. 3a-3b. Miller, S. A., 1897, p. 734. Schmidt, W. E., 1915, p. 125. Goldring, 1923, p. 295, Pl. 37, figs. 9-11. Bassler and Moodey, 1943, p. 310.
- Devonian, Frasnian, early Chemung, Prattsburg Sandstone. United States, New York
- Arthroacantha eboritoidea* (Hall, 1862). Goldring, 1923, p. 279, Pl. 37, figs. 1-4; Fig. 51. Bassler and Moodey, 1943, p. 310.
- Platycrinus eboraceus* Hall, 1862a, p. 119. Hall, 1862b, p. 119. Bassler and Moodey, 1943, p. 310.
- Devonian, Givetian, Hamilton, Moscow Shale, Centerfield Limestone. United States, New York

*Arthroacantha eupelmatus* Schmidt, W. E., 1915, p. 123, Fig. 2. Bassler and Moodey, 1943, p. 310.

*Castrocrinus eupelmatus* (Schmidt, 1915). Bassler and Moodey, 1943, p. 310.

**Note.** Bassler and Moodey assigned *Arthroacantha eupelmatus* to *Castrocrinus*. At the same time they considered *Castrocrinus* to be a junior synonymy of *Cremacrinus*. *Arthroacantha eupelmatus* is not a cremacrinid and I am leaving the taxon in *Arthroacantha* pending further investigation. GDW, 2011.  
Devonian, early Emsian, Hunsrückschiefer. Germany

*Arthroacantha eupelmatus* Schmidt, 1915 = *Gastrocrinus eupelmatus*

*Arthroacantha giltayi* Maillieux, 1939, p. 2 (*nomen nudum*). Maillieux, 1940, p. 17, Pl. 1, figs. 1-20. Hauser, 1999, p. 99, Pl. 26, fig. 1. Hauser, 2003, p. 15, Figs. 7-8.  
Devonian, Eifelian, *Spirifer bisinus* Shales; Frasnian (F2b, F2f). Belgium, Ardenne

*Arthroacantha granosa* (Goldring, 1923). Bassler and Moodey, 1943, p. 310.

*Arthroacantha granosa* Goldring, 1923, p. 298, Pl. 37, figs. 12-15. Bassler and Moodey, 1943, p. 310.

Devonian, Frasnian, Grimes Sandstone. United States, New York

*Arthroacantha heinorum* Hauser, 2000, p. 54, Fig. top p. 57. Hauser, 2001, p. 21, 47, Pl. 15, fig. 2. Hauser, 2003, p. 16, Fig. 9.

Devonian, Eifelian or Givetian, Boundary Ahbach/Loogh Formations, ?Zerberus-Wotan Members. Belgium, Eifel

*Arthroacantha hystrix* Phillips, 1841 = *Adelocrinus hystrix*

\**Arthroacantha ithacensis* (Williams, 1883). Miller, S. A., 1889, p. 225. Bassler, 1938, p. 45. Bassler and Moodey, 1943, p. 310. Ubaghs in Moore and Teichert, 1978, p. T475, Fig. 279, no. 4a. Webster, 1986, p. 68. Hauser, 2003, p. 16, Fig. 10. Hauser, 2008, p. 34, Fig. 77.

*Arthroacantha ithacensis* Williams, H. S., 1883, p. 83. Wachsmuth and Springer, 1897, p. 747, Pl. 76, figs. 1a-1c. Goldring, 1923, p. 292, Pl. 37, figs. 6-8. Moore, 1939b, p. 199, Fig. 8, nos. 9a-9b (basal circlet). Bassler and Moodey, 1943, p. 310.

Devonian, Givetian – Frasnian, Portage Formation, Moscow Shale, Ithaca Shale. United States, New York

*Arthroacantha mamelonifera* (Thomas, 1924). Bassler and Moodey, 1943, p. 310.

*Arthroacantha mamelonifera* Thomas, A. O., 1924, p. 463, Pl. 42, figs. 14-18.

Bassler and Moodey, 1943, p. 310. Hauser, 2003, p. 16, fig. 11.

Devonian, Frasnian, Independence Shale. United States, Iowa

*Arthroacantha monospinatus* Hauser, 2003, p. 15, Pl. 7, figs. 1-2.

Devonian, Frasnian, Neuville Formation. Belgium

*Arthroacantha ornata* Schmidt; Hauser, 2003 = *Platyhexacrinus ornatus*

*Arthroacantha? ornata* Schmidt, 1915 = *Platyhexacrinus ornatus*

*Arthroacantha prescheri* (Hauser, 2001).

*Hexacrinites prescheri* Hauser, 2001, p. 20, 37, P. 8, fig. 2. Bohatý, 2010, p. 28.

**Note.** Bohatý, 2010, p. 28, assigned *H. prescheri* to *Arthroacantha* sp. Because the species was named it is herein applied. GDW 2010.

Devonian, Eifelian or Givetian, Boundary Ahbach-Loogh Formations, ?Zerberus-Wotan Member. Germany

*Arthroacantha punctobrachiata* (Hall, 1872). Miller, S. A., 1889, p. 225. Bassler and Moodey, 1943, p. 310. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 12. Moore and Laudon, 1944, p. 1978, Pl. 78, fig. 9. Webster, 1973, p. 58. Hauser, 2003, p. 16, Fig. 13 (misspelled as *Arthroacantha pukctobrachiata*).

*Platycrinus? punctobrachiatus* Hall, 1872c, Pl. 1, fig. 15. Bassler and Moodey, 1943, p. 310.

*Arthracantha punctobrachiata* (Hall, 1872). Clarke, 1909b, Pl. 6, fig. 5. Grabau and Shimer, 1910, p. 520, Fig. 1844. Goldring, 1923, p. 285, Pl. 37, fig. 5. Bassler and Moodey, 1943, p. 310.

*Hystricrinus punctobrachiatus* (Hall, 1872). Clarke, 1921b, p. 71, Fig. 57.

Devonian, Givetian (Erian), Ludlowville Shale, Arkona Shale. Canada, Ontario; United States, New York

*Arthroacantha punctobrachiata* Whiteaves, 1889 = *Arthroacantha carpenteri*

*Arthroacantha* sp. cf. *A. punctobrachiata* (Hall, 1872). Pabian and Strimple, 1976a, p. 761, Fig. 1, no. E (given as *Arthroacantha punctobrachiata* in figure explanation). Webster, 1986, p. 67.

Devonian, Eifelian, Marcellus Shale. United States, Maryland

*Arthroacantha renaudae* Le Menn, 1985, p. 57, Pl. 11, figs. 1-2; Figs. 2, nos. E-F; 82, no. B. Webster, 1988, p. 40. Hauser, 2000, p. 55, Fig. middle p. 57; 2001, p. 21, 48, Pl. 15, fig. 4; 2003, p. 16, Figs. 13-15.

Devonian, late Emsian, Beg an Arreun Limestone. France, Armorican Massif

*Arthroacantha schwerdii* (Follmann, 1901). Schmidt, W. E., 1915, p. 124. Schmidt, W. E., 1942, p. 50, Fig. 9. Bassler and Moodey, 1943, p. 311. Webster, 1973, p. 58. Webster, 1986, p. 68.

*Hystricrinus schwerdii* Follmann, 1901, p. 666, Pl. 1. Bassler and Moodey, 1943, p. 311.

Devonian, Emsian, Laubach Beds. Germany

*Arthroacantha similis* (Goldring in Cooper and Williams, 1935). Bassler and Moodey, 1943, p. 311.

*Arthracantha similis* Goldring in Cooper and Williams, 1935, p. 835, Pl. 58, fig. 18. Bassler and Moodey, 1943, p. 311.

Devonian, Givetian, Tully Limestone, Westbrook Member. United States, New York

- Arthroacantha splendens* (Goldring, 1923). Bassler and Moodey, 1943, p. 311. Moore and Laudon, 1944, p. 197, Pl. 78, fig. 10. Webster, 1973, p. 58.  
*Arthroacantha splendens* Goldring, 1923, p. 302, Pl. 37, fig. 16. Bassler and Moodey, 1943, p. 311.  
 Devonian, Frasnian (Erian), Chemung Group. United States, New York
- Arthroacantha tenuispinata* Schmidt, W. E., 1915, p. 124, Fig. 3. Schmidt, W. E., 1942, p. 54, Pl. 10, fig. 3. Bassler and Moodey, 1943, p. 311. Webster, 1973, p. 58. Hauser, 2003, p. 17, Fig. 17.  
 Devonian, Emsian. Germany
- Arthroacantha vega* Prokop, 1982b, p. 281, Pl. 4, figs. 18-24. Webster, 1988, p. 40. Prokop and Petr, 1990, p. 50. Webster, 1993, p. 28.  
 Devonian, Emsian (Zlichovian), Zlichov Formation. Czech Republic, Bohemia
- Arthroacantha wolburgi* Hauser, 2000, p. 56, Fig. bottom p. 57; 2001, p. 21, 49, Pl. 15, fig. 3; 2003, p. 17, Fig. 18.  
 Devonian, Eifelian or Givetian, Boundary Ahbach/Loogh Formations, ?Zerberus-Wotan Members. Belgium
- Arthroacantha* aff. *wolburgi* Hauser, 2000. Hauser, 2008, p. 34, Fig. 79.  
 Devonian, Eifelian, Ahbach Formation. Germany
- Arthroacantha* spp.  
 Le Menn, 1985, p. 58. Webster, 1988, p. 40.  
 Devonian, Givetian, Kerbelec Formation; Lanvey Formation; Kergarvan Formation; ?Potinais Formation. France, Armorican Massif  
 Broadhead, 1985, p. 208, Fig. 2, nos. B-C. Webster, 1988, p. 40.  
 Devonian, Givetian, Silica Formation. United States, Ohio  
 Schmidt, 1905. Hauser, 2003, p. 17.  
 Devonian, Pragian, Siegener Schichten. Germany
- Arthroacantha?* sp. Jell and Theron, 1999, p. 132, Fig. 16.  
 Devonian, Emsian, Gydo Formation. South Africa
- ARTICHTHYOCRINUS** Wright, 1923. \**A. springeri* Wright, 1923.  
 Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae  
 Wright, J., 1923, p. 481. Bassler, 1938, p. 45. Bassler and Moodey, 1943, p. 311. Moore and Laudon, 1943b, p. 74. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 94. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 58. Webster, 1977, p. 44. Moore in Moore and Teichert, 1978, p. T810, Figs. 506, no. 9e; 508, no. 1g. Webster, 1986, p. 68. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 28.  
 Named, currently recognized species based on cups or crowns: 12 species:  
 Mississippian, Viséan; 1 Early Permian  
 Mississippian, Viséan. United Kingdom, Scotland

Early Permian. Greece, Crete

*Artichthyocrinus koenigi* Webster, 2012c, p. 108, Fig. 2, nos. T-U, given as nos. 20-21, p. 106.

Early Permian, Galinos Beds. Greece, Crete

\**Artichthyocrinus springeri* Wright, J., 1923, p. 484, Fig. 8. Bassler, 1938, p. 45.  
Wright, J., 1939, p. 55, Pl. 11, figs. 12-15. Bassler and Moodey, 1943, p. 311.  
Wright, 1954a, p. 160, Pls. 41, figs. 6, 10-12; 47, figs. 1-6, 12. Webster, 1973, p. 58. Moore *in* Moore and Teichert, 1978, p. T810, Figs. 541, no. 6; 543, no. 2.  
Webster, 1986, p. 68.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

Article de crinoïde de Bethune and Martin, 1969, p. 213, Pl. 1. (chemical analysis)  
Mississippian, Tournaisian. Belgium

**ARYBALLOCRINUS** Breimer, 1962. \**Actinocrinus (Megistocrinus) whitei* Hall, 1861.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Periechocrinidae

Breimer, 1962a, p. 72. Webster, 1973, p. 58. Macurda, 1974, p. 823, Figs. 1-2.  
Ubaghs *in* Moore and Teichert, 1978, p. T443. Webster, 1986, p. 68. Lane and  
Sevastopulo, 1987, p. 200. Webster, 1988, p. 40. Webster, 1993, p. 28.

Named, currently recognized species based on cups or crowns: 7 Mississippian  
species, 5 Tournaisian, 1 Tournaisian – Viséan, 1 Viséan

Mississippian, Tournaisian, early Tn3: Europe

Mississippian, Tournaisian – Viséan (early Kinderhookian - middle Osagean). United  
States, Iowa, Missouri

*Aryballoocrinus awthornsensis* (Wright, 1955). Breimer, 1962a, p. 73. Webster, 1973,  
p. 58.

*Periechocrinus? awthornsensis* Wright, J., 1955a, p. 192, Pl. 63, fig. 7; Fig. 109.  
Breimer, 1962a, p. 73. Webster, 1973, p. 58. Ausich and Sevastopulo, 2001, p.  
25, Table 2.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland,  
United Kingdom

*Aryballoocrinus eirensis* Ausich and Sevastopulo, 2001, p. 23, Pl. 1, figs. 14-16; Fig. 8,  
no. A.

Carboniferous, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

*Aryballoocrinus martini* Ausich and Roeser, 2012, p.492, Figs. 5.1, 5.5.

*Mississippian, tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale  
Member. United States, Ohio*

*Aryballoocrinus parvus* (Wachsmuth and Springer 1890). Breimer, 1962a, p. 74.

Webster, 1973, p. 59. Ausich and Sevastopulo, 2001, p. 25, Table 2.

*Megistocrinus parvus* Wachsmuth and Springer *in* Miller 1889, p. 260 (*nomen  
nudum*). Wachsmuth and Springer, 1890, p. 171, Pl. 15, fig. 7. Laudon and



- Beane, 1937, p. 246, Pl. 17, fig. 2. Bassler and Moodey, 1943, p. 553. Breimer, 1962a, p. 74. Webster, 1973, p. 59.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Aryballocrinus sampsoni* (Miller and Gurley, 1896). Breimer, 1962a, p. 73. Webster, 1973, p. 59. Ausich and Sevastopulo, 2001, p. 25, Table 2.  
*Amphoracrinus sampsoni* Miller and Gurley, 1896b, p. 27, Pl. 1, figs. 28-29. Miller, S. A., 1897, p. 734. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 372. Breimer, 1962a, p. 73. Webster, 1973, p. 59.  
*Corocrinus sampsoni* (Miller and Gurley, 1896). Peck and Keyte, 1938, p. 75, Pl. 29, figs. 10-13. Bassler and Moodey, 1943, p. 372.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Aryballocrinus tenuidiscus* (Hall, 1861). Breimer, 1962a, p. 73. Webster, 1973, p. 59. Ausich and Sevastopulo, 2001, p. 25, Table 2.  
*Actinocrinus? tenuidiscus* Hall, 1861b, p. 14. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 417. Bassler and Moodey, 1943, p. 601. Breimer, 1962a, p. 73. Webster, 1973, p. 59.  
*Periechocrinus tenuidiscus* (Hall, 1861). Wachsmuth and Springer, 1897, p. 520, Pls. 46, fig. 4; 51, fig. 6. Weller, 1898c, p. 417. Bassler and Moodey, 1943, p. 601.  
*Periechocrinites tenuidiscus* (Hall, 1861). Bassler and Moodey, 1943, p. 601. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- \**Aryballocrinus whitei* (Hall, 1861). Breimer, 1962a, p. 72. Webster, 1973, p. 59. Ubaghs in Moore and Teichert, 1978, p. T443, Fig. 252, no. 1. Lane and Dubar, 1983, p. 117, Fig. 3, nos. J, P. Webster, 1986, p. 68. Webster, 1988, p. 40. Ausich and Sevastopulo, 2001, p. 25, Table. 2.  
*Actinocrinus (Megistocrinus) whitei* Hall, 1861a, p. 271 (part) . Hall, 1861b, p. 271 (part). Hall, 1861c, p. 271 (part). Shumard, 1868, p. 350. Hall, 1872c, Pl. 4, figs. 4-5 (non fig. 6). Weller, S., 1898c, p. 417. Bassler and Moodey, 1943, p. 601. Breimer, 1962a, p. 72. Webster, 1973, p. 59.  
*Periechocrinus whitei* (Hall, 1861). Wachsmuth and Springer, 1881, p. 133 (307). Whitfield, 1893b, p. 27, Pl. 2, fig. 29. Weller, S., 1898c, p. 417. Bassler and Moodey, 1943, p. 601. Webster, 1973, p. 201.  
*Megistocrinus (Saccocrinus) whitei* (Hall, 1861). Meek and Worthen, 1875, p. 397, Pl. 6, fig. 1. Weller, S., 1898c, p. 417.  
*Periechocrinus? whitei* (Hall, 1861). Wachsmuth and Springer, 1897, p. 530, Pls. 2, fig. 21; 46, figs. 1-3; 51, figs. 9-10. Weller, S., 1898c, p. 417. Grabau and Shimer, 1910, p. 537, Fig. 1866. Bassler and Moodey, 1943, p. 601.  
*Periechocrinites whitei* (Hall, 1861). Weller, 1898, p. 417. Bassler and Moodey, 1943, p. 601. Moore and Laudon, 1944, p. 189, Pl. 75, fig. 14. Webster, 1973, p. 201.  
*Actinocrinus whitii* Hall, 1861. Miller, S. A., 1889, p. 220 (sic).

*Actinocrinus (Megistocrinus) olliculus* Hall, 1861b, p. 2. Weller, S., 1898c, p. 417. Bassler and Moodey, 1943, p. 601.

*Megistocrinus olliculus* (Hall, 1861). Shumard, 1868, p. 380.

*Actinocrinus olliculus* Hall, 1861. Miller, S. A., 1889, p. 219.

*Actinocrinus (Pradocrinus) amplus* Meek and Worthen, 1861, p. 133. Weller, S., 1898c, p. 417. Bassler and Moodey, 1943, p. 601.

*Actinocrinus (Pradocrinus?) amplus* Meek and Worthen, 1861. Shumard, 1868, p. 342.

*Actinocrinus (Saccocrinus?) amplus* Meek and Worthen, 1861. Meek and Worthen, 1868, p. 470, Pl. 16, fig. 2. Weller, S., 1898c, p. 417.

*Actinocrinus amplus* Meek and Worthen, 1861. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 730.

*Saccocrinus amplus* (Meek and Worthen, 1861). Miller, S. A., 1889, p. 278. Miller, S.

A., 1897, p. 752.

*Saccocrinus christyi* (Hall, 1863). Miller, S. A., 1889, p. 278.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Hampton Formation; upper and lower parts of Burlington Limestone; Burlington-Keokuk transition beds; Borden Formation, Nada Member. United States, Iowa, Missouri

*Aryballocrinus* spp.

Breimer, 1962a, p. 74. Webster, 1973, p. 59.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Periechocrinites* sp. 1 Laudon and Severson, 1953, p. 327, Fig. 52, figs. 1-2.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation. United States, Montana

*ASACCOCRINUS* wanner, 1949 = **DELOCRINUS**

**ASAPHOCRINUS** Springer, 1920. \**A. bassleri* Springer, 1920.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Homalocrinidae

Bassler, 1915, p. 74 (attributes name to Springer, in press). Springer, 1920a, p. 174. Springer, 1926a, p. 66. Bassler, 1938, p. 45. Bassler and Moodey, 1943, p. 311. Moore and Laudon, 1943b, p. 74, Fig. 11. Moore and Laudon, 1944, p. 181, Pl. 66, fig. 3. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 59. Moore in Moore and Teichert, 1978, p. T795, Figs. 506, no. 4b; 507, no. 3b. Webster, 1986, p. 68. Webster, 1988, p. 40.

Named, currently recognized species based on cups or crowns: 6 Silurian species, 4 Wenlockian, 2 Ludlovian

Silurian, Wenlockian - Ludlovian. North America

\**Asaphocrinus bassleri* Bassler, 1915, p. 74, *nomen nudum*. Springer, 1920a, p. 178, Pl. 10, figs. 10-14. Springer, 1926a, p. 66, Pl. 20, figs. 20-21. Bassler, 1938, p. 45. Bassler and Moodey, 1943, p. 311. Moore and Laudon, 1944, p. 181, Pl. 54,

- fig. 9. Webster, 1973, p. 59. Moore *in* Moore and Teichert, 1978, p. T795, Figs. 533, no. 2; 534, nos. 3a-3c. Webster, 1986, p. 68.  
Silurian, Ludlovian (Niagaran), Beech River Formation; Brownsport Limestone. United States, Tennessee
- Asaphocrinus densus* Strimple, 1963d, p. 111, Pl. 9, figs. 3-5. Webster, 1973, p. 59. Silurian, Ludlovian – Pridoli (Niagaran), Henryhouse Formation. United States, Oklahoma
- Asaphocrinus excavatus* (Ringueberg, 1886). Springer, 1920a, p. 177, Pl. 4, figs. 23-29. Bassler and Moodey, 1943, p. 311.  
*Lecanocrinus excavatus* Ringueberg, 1886, p. 11, Pl. 1, fig. 7. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 74. Bassler and Moodey, 1943, p. 311.  
Silurian, Wenlockian (Niagaran), Rochester Shale. United States, New York
- Asaphocrinus incisus* (Ringueberg, 1886). Bassler, 1915, p. 74 (attributes combination to Springer, in press). Springer, 1920a, p. 178, Pl. 4, fig. 30. Bassler and Moodey, 1943, p. 311.  
*Lecanocrinus incisus* Ringueberg, 1886, p. 10, Pl. 1, fig. 6. Bassler, 1915, p. 74. Bassler and Moodey, 1943, p. 311.  
Silurian, Wenlockian (Niagaran), Rochester Shale. United States, New York
- Asaphocrinus minor* Springer, 1926a, p. 67, Pl. 20, fig. 22. Bassler and Moodey, 1943, p. 311.  
Silurian, Wenlockian (Niagaran), Laurel Limestone. United States, Indiana
- Asaphocrinus ornatus* (Hall, 1852). Bassler, 1915, p. 74 (attributes combination to Springer in press). Springer, 1920a, p. 176, Pl. 4, figs. 1-22. Bassler and Moodey, 1943, p. 311. Moore and Laudon, 1943b, p. 136, Pls. 7, fig. 6; 8, fig. 5. Moore and Laudon, 1944, p. 181, Pls. 68, fig. 2; 69, fig. 17. Webster, 1973, p. 59.  
Brett, 1978b, p. 226, Fig. 9. Moore *in* Moore and Teichert, 1978, p. T795, Fig. 534, no. 3d. Brett, 1983, p. 961, Fig. 11, no. A. Brett, 1984, p. 90, Fig. 2, no. B. Brett, 1985b, p. 630, Fig. 6. Webster, 1986, p. 68. Webster, 1988, p. 40. Taylor and Brett, 1996, p. 123, Figs. 4, no. C.a; 5, no. D. Brett and Taylor *in* Brett and Baird, 1997, p. 184, Fig. 8.1, no. A. Taylor and Brett *in* Hess et al., 1999 p. 88, Figs. 103; 107, no. a.
- Lecanocrinus ornatus* Hall, 1852a, p. 201, Pl. 44, figs. 2a-2m. Dujardin and Hupé, 1862, p. 132. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 74. Bassler and Moodey, 1943, p. 311.
- Lecanocrinus nitidus* Ringueberg, 1886, p. 9, Pl. 1, fig. 5. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 74. Bassler and Moodey, 1943, p. 311.  
Silurian, Wenlockian, (Niagaran) Rochester Shale. United States, New York; Canada, Ontario
- Asaphocrinus* spp.  
Brett, 1985b, p. 824, Fig. 4, no. 1. Webster, 1988, p. 40.  
Silurian, Wenlockian, Gasport Limestone. United States, New York

Taylor and Brett, 1996, p. 126, Fig. 6, no. C.

Silurian, Wenlockian, Rochester Shale. United States, New York

Brett and Taylor *in* Brett and Baird, 1997, p. 190, Fig. 8.4.

Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus* Beds.  
United States, New York

**ASCETOCRINUS** Kirk, 1940. \**Scaphiocrinus rusticellus* White, 1863.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Cercidocrinidae

Kirk, 1940c, p. 324. Bassler and Moodey, 1943, p. 312. Moore and Laudon,  
1943b, p. 56. Moore and Laudon, 1944, p. 159. Webster, 1973, p. 59. Moore  
and Strimple *in* Moore and Teichert, 1978, p. T652. Webster, 1986, p. 68.

Named, currently recognized species based on cups or crowns: 3 Mississippian,  
Viséan species

Mississippian, Viséan (Osagean). United States, Iowa

\**Ascetocrinus rusticellus* (White, 1863). Kirk, 1940c, p. 325. Bassler and Moodey,  
1943, p. 312. Moore and Laudon, 1944, p. 159, Pl. 55, fig. 14. Webster, 1973,  
p. 59. Moore and Strimple *in* Moore and Teichert, 1978, p. T652, Fig. 427, no.  
2. Webster, 1986, p. 69.

*Scaphiocrinus rusticellus* White, C. A., 1863, p. 505. Shumard, 1868, p. 396. Miller,  
S. A., 1889, p. 280. Keyes, 1894a, p. 212, Pl. 26, fig. 1. Weller, S., 1898c, p.  
548.

Bassler and Moodey, 1943, p. 312.

*Abrotocrinus rusticellus* (White, 1863). Springer, 1926a, p. 72, Pl. 16, fig. 11.

Bassler and Moodey, 1943, p. 312.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
Iowa

*Ascetocrinus scoparius* (Hall, 1861). Moore and Laudon, 1944, p. 159, Pl. 55, fig. 17.  
Webster, 1973, p. 59.

*Zeacrinus scoparius* Hall, 1861a, p. 305. Hall, 1861b, p. 8. Hall, 1861c, p. 305.

Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Miller, S. A., 1897, p. 755.

Bassler and Moodey, 1943, p. 455. Webster, 1973, p. 59.

*Poteriocrinus (Zeacrinus) scoparius* (Hall, 1861). Whitfield, 1893b, p. 34, Pl. 3, figs.  
19-20. Bassler and Moodey, 1943, p. 455.

*Eratocrinus scoparius* (Hall, 1861). Kirk, 1938, p. 166. Bassler and Moodey, 1943,  
p. 455.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Iowa

*Ascetocrinus whitei* (Hall, 1861). Kirk, 1940c, p. 325. Bassler and Moodey, 1943, p.  
312.

*Scaphiocrinus whitei* Hall, 1861a, p. 306. Hall, 1861b, p. 7. Hall, 1861c, p. 306.

Shumard, 1868, p. 396. Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 479.

Bassler and Moodey, 1943, p. 312.

*Poteriocrinus whitei* (Hall, 1861). Wachsmuth and Springer, 1880 (1879), p. 112  
(335). Weller, S., 1898c, p. 479. Bassler and Moodey, 1943, p. 312.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Ascetocrinus* sp. Howell, 1995, p. 100, Pl. 5, fig. 8.  
No age or locality given

**ASCOCRINUS** Tromelin and Lebesconte, 1876, Pl. D. *nomen nudum*  
Moore and Teichert, 1978, p. T928.

**ASCOCRINUS** Jaekel, 1918 (non Barrande). \**A. bohemicus* Jaekel, 1918.  
Classification uncertain  
Jaekel, 1918, p. 54. Bassler, 1938, p. 46. Bassler and Moodey, 1943, p. 312. Moore and Teichert, 1978, p. 928 (unrecognizable).  
Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species  
Devonian, Givetian. Czech Republic, Bohemia

\**Ascocrinus bohemicus* Jaekel, 1918, p. 54, fig. 44. Bassler, 1938, p. 46. Bassler and Moodey, 1943, p. 312.  
Devonian, Givetian (H<sub>1</sub>). Czech Republic, Bohemia

**ASTAKOCRINUS** Ausich and Copper, 2010. \**Astakocrinus teren* Ausich and Copper, 2010.  
Subc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Stelidiocrinidae  
Ausich and Copper, 2010, p. 34.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Hirnantian species  
Ordovician, Hirnantian. Canada, Quebec

\**Astakocrinus teren* Ausich and Copper, 2010, p. 35, Pl. 8, fig. 1; Fig. 6.8.  
Ordovician, Hirnantian, Ellis Bay Formation, Lousy Cove Member. Canada, Quebec, Anticosti Island

**ASTEROCRINITES** Roemer, 1851 (*non* Conrad, 1841) = **HAPLOCRINITES**

**ASTEROCRINUS** Münster, 1838 = **HAPLOCRINITES**

**ASTEROCRINUS** Lyon, 1857 (*non* Münster, 1838) = **PTEROTOCRINUS**

*Asterocrinus capitalis* Lyon, 1857 = *Pterotocrinus capitalis*

*Asterocrinus coronarius* Lyon, 1857 = *Pterotocrinus coronarius*

*Asterocrinus pachydactylus* (Conrad, 1841) = *Ctenocrinus pachydactylus*

**ASTRACRINITES** Austin and Austin, 1843 = **ASTROCRINITES**

*ASTROCRINITES* Conrad, 1841 = **CTENOCRINUS**

**ASTROCRINITES** Austin and Austin, 1843 (*non* Conrad, 1841). \**Astrocrinites tetragonus* Austin and Austin, 1843.

Classification uncertain, Camerate?, F. Astracrinitidae

Moore and Teichert, 1978, p. T928 (unrecognizable forms). (Not a crinoid or an abnormal specimen, GDW)

**Note.** Austin and Austin, p. 205, placed *Astracrinites* with *Aporocrinites* in the Family Astracrinitidae. Thus, *Astrocrinites* (p. 206) may be a typographical error as *Astracrinites* was used on p. 205. *Aporocrinites* is an agelicrinitid. GDW  
**ASTRACRINITES** Austin and Austin, 1843, p. 205.

Named, currently recognized species based on cups or crowns: 1 ?Mississippian species

Mississippian?. United Kingdom

*Astrocrinites pachydactylus* Conrad, 1841 = *Melocrinites pachydactylus* = *Ctenocrinus pachydactylus*

\**Astrocrinites tetragonus* Austin and Austin, 1843, p. 206, unfig. Moore and Teichert, 1978, p. T928 (unrecognizable form). (Not a crinoid or an abnormal specimen, GDW)

Mississippian?. United Kingdom

*ASTROCRINUS* Bather, 1900 = **CTENOCRINUS**

*ASTYLOCRINUS* Roemer, 1852-1854 = **AGASSIZOCRINUS**

*Astylocrinus laevis* Roemer, 1852-1854 = *Agassizocrinus laevis*

**ASUTURAECRINUS** Yakovlev *in* Yakovlev and Ivanov, 1956. \**A. dorofeievi* Yakovlev *in* Yakovlev and Ivanov, 1956.

Sbc. Flexibilia unclassified

Yakovlev *in* Yakovlev and Ivanov, 1956, p. 71. Arendt and Hecker, 1964, p. 94.

Webster, 1973, p. 59. Moore and Teichert, 1978, p. T928.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, Artinskian. Russia, Ural Mountains

\**Asuturaecrinus dorofeievi* Yakovlev *in* Yakovlev and Ivanov, 1956, p. 71, Pl. 11, fig. 17. Arendt and Hecker, 1964, p. 94, Pl. 14, fig. 10. Webster, 1973, p. 59. Moore and Teichert, 1978, p. T928.

Permian, Artinskian. Russia, central Urals

**ASYMMETROCRINUS** Wanner, 1937. \**A. poteriocrinoides* Wanner, 1937.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiacrinitidae

Wanner, 1937, p. 130. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 313. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 179. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 97. Webster, 1973, p. 60. Webster, 1977, p. 44. Lane and Moore *in* Moore and Teichert, 1978, p. T596. Webster, 1986, p. 69.

Named, currently recognized species based on cups or crowns: 1 Permian species, uncertain series

Permian, series uncertain. Timor

\**Asymmetrocrinus poteriocrinoides* Wanner, 1937, p. 134, Pl. 9, figs. 15-26. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 313. Branson, C. C., 1948, p. 180. Arendt, 1970a, p. 97. Webster, 1977, p. 44. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Figs. 385, no. 8; 386, no. 4. Webster, 1986, p. 69. Permian, series uncertain. Timor

**ATACTOCRINUS** Weller, 1916. \**A. wilmingtonensis* Weller, 1916  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Weller, S., 1916, p. 239, Pl. 15, figs. 1-10. Bather, 1917b, p. 133. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 313. Moore and Laudon, 1943b, p. 82. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 60. Ubaghs *in* Moore and Teichert, 1978, p. T422. Webster, 1986, p. 69.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species  
Ordovician, Katian (Richmondian). United States, Illinois

\**Atactocrinus wilmingtonensis* Weller, S., 1916, p. 239, Pl. 15, figs. 1-10. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 313.  
Ordovician, Katian (Richmondian), Maquoketa Shale. United States, Illinois

**ATALOCCRINUS** Eckert and Brett, 2001. \**Atalocrinus arctus* Eckert and Brett, 2001.  
Sbc. Camerata, O. Monobathrida, Sbo. uncertain  
Eckert and Brett, 2001, p. 27.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species  
Silurian, late Llandoveryan. United States, New York

\**Atalocrinus arctus* Eckert and Brett, 2001, p. 28, Pl. 5, figs. 8, 13; Fig. 8, nos. A-C.  
Silurian, late Llandoveryan, Wolcott Limestone. United States, New York

**ATAXIACRINUS** Lyon, 1869 = **ANOMALOCRINUS**

**ATAXIACRINUS** Strimple, 1961 = **TARACHIOCRINUS**

*Ataxiacrinus caponiformis* Lyon, 1869 = *Anomalocrinus caponiformis*

*Ataxiacrinus meadowensis* (Strimple, 1949) = *Tarachiocrinus meadowensis*

*Ataxiacrinus multiramus* Strimple, 1961 = *Tarachiocrinus multiramus*

*Ataxiacrinus optimus* (Strimple), 1951 = *Tarachiocrinus optimus*

*Ataxiacrinus periodus* (Strimple), 1951 = *Tarachiocrinus periodus*

**ATAXOCRINUS** Bather *in* Lankester, 1900 = **ANOMALOCRINUS**

*Ataxocrinus caponiformis* (Lyon, 1869) = *Anomalocrinus caponiformis*

**ATELESTOCRINUS** Wachsmuth and Springer, 1886. \**A. delicatus* Wachsmuth and Springer, 1886.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae

Wachsmuth and Springer, 1886, p. 221 (145). Miller, S. A., 1889, p. 226. Bather, 1890b, p. 332. Zittel, 1895, p. 136. Bather *in* Lankester, 1900, p. 179.

Wachsmuth *in* Zittel, 1900, p. 158. Springer *in* Zittel, 1913, p. 218. Jaekel, 1918,

p. 60. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 313. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86.

Webster, 1973, p. 60. Moore and Lane *in* Moore and Teichert, 1978, p. T621.

Ausich and Lane, 1982b, p. 1350. Webster, 1986, p. 69. Webster, 1988, p. 40.

Lane and Sevastopluo, 1990, p. 335. Webster, 1993, p. 28. Kammer and Ausich, 1996, p. 837. Kammer and Gahn, 2003a, p. 122. Webster et al., 2003, p. 11.

**ATTELESOCRINUS** Wachsmuth and Springer, 1886, p. 223.

**ATELESTROCRINUS** Bassler and Moodey, 1943, p. 314.

**ATRACTOCRINUS** Kirk, 1948, p. 701. \**A. concinnus* Kirk, 1948. Webster, 1973, p. 60. Moore and Lane *in* Moore and Teichert, 1978, p. T608. Webster, 1986, p. 70.

Ausich, 1988, p. 909, Fig. 1, no. 14. Webster, 1993, p. 28. Webster et al., 2003, p. 11.

Non *Atelestocrinus* Ausich and Lane, 1982. Webster et al., 2003, p. 11.

Named, currently recognized species based on cups or crowns: 8 species. 4

Devonian, 4 Givetian; 4 Mississippian, Viséan

Middle Devonian. North America, Michigan; Canada, Ontario

Mississippian, Viséan (Osagean); Viséan. United States, Ireland

Mississippian, Viséan. Ireland

*Atelestocrinus campanulatus* (Kirk, 1948). New combination

*Atractocrinus campanulatus* Kirk, 1948, p. 703, Pl. 1, figs. 2-3. Webster, 1973, p. 60. Webster et al., 2003, p. 11.

*Bactrocrinites campanulatus* Kirk, 1948. Hauser, 2007, p. 34, unnumbered fig. (incorrectly considered synonym of *B. depressus* GDW, 2010).

Devonian, Givetian (Erian), Traverse Group, Thunder Bay Limestone. United States, Michigan

*Atelestocrinus concinnus* (Kirk, 1948). New combination



*Atractocrinus concinnus* Kirk, 1948, p. 704, Pl. 1, figs. 7-11. Webster, 1973, p. 60.  
Moore and Lane *in* Moore and Teichert, 1978, p. T608, Fig. 396, no. 1.  
Webster, 1986, p. 71. Webster et al., 2003, p. 11.

*Bactrocrinites concinnus* Kirk, 1948. Hauser, 2007, p. 35, unnumbered fig.  
(incorrectly considered synonym of *B. fusiformis* GDW, 2010).  
Devonian, Givetian (Erian), Arkona Shale. Canada, Ontario

*Atelestocrinus curtus* (Kirk, 1948). New combination

*Atractocrinus curtus* Kirk, 1948, p. 705, Pl. 1, figs. 4-5. Webster, 1973, p. 60.  
Webster et al., 2003, p. 11.

*Bactrocrinites curtus* Kirk, 1948. Hauser, 2007, p. 38, 2 unnumbered figs.  
(incorrectly considered synonym of *B. onondagensis* GDW, 2010).

Devonian, Givetian, (Erian), Traverse Group, Norway Point Formation. United States, Michigan

\**Atelestocrinus delicatus* (Wachsmuth and Springer, 1886). Miller, S. A., 1889, p. 226.

Weller, S., 1898c, p. 101. Bassler, 1938, p. 48. Bassler and Moodey, 1943, p. 314. Ausich and Lane, 1982b, p. 1350. Webster, 1988, p. 40. Kammer and Gahn, 2003a, p. 123, Fig. 1.3 (misspelled as *A. delicates* p. 123).

*Attelesocrinus delicatus* Wachsmuth and Springer, 1886, p. 223 (147).

Mississippian, Viséan (early Osagean), lower part of Burlington Limestone. United States, Iowa

*Atelestocrinus kentuckyensis* Lee, Ausich, and Kammer, 2005, p. 349, Figs. 1.11-1.13.  
Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Atelestocrinus indianensis* Ausich and Lane, 1982b, p. 1350, Pl. 1, figs. 5, 9, 13; Fig. 2. Webster, 1988, p. 40. Kammer and Ausich, 1996, p. 838.

Mississippian, Viséan (early Osagean), Edwardsville Formation. United States, Indiana

*Atelestocrinus robustus* Wachsmuth and Springer, 1885, p. 362, Pls. 6, fig. 4; 9, fig. 4.

Wachsmuth and Springer, 1886, p. 223 (147). Miller, S. A., 1889, p. 226.

Weller, S., 1898c, p. 101. Moore and Lane *in* Moore and Teichert, 1978, p.

T621, Fig. 404, no. 2. Ausich and Lane, 1982b, p. 1350. Webster, 1986, p. 69.

Webster, 1988, p. 40. Kammer and Ausich, 1996, p. 838.

*Atelestocrinus robustus* (Wachsmuth and Springer, 1886). Bassler and Moodey, 1943, p. 314. Kammer and Gahn, 2003a, p. 122, Figs. 1.1-1.2.

Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds, Fort Payne Chert; Keokuk Limestone, Montrose Chert Member. United States, Iowa, Tennessee

*Atelestocrinus tenuis* (Kirk, 1948). New combination

*Atractocrinus tenuis* Kirk, 1948, p. 707, Pl. 1, fig. 1. Webster, 1973, p. 60. Webster et al., 2003, p. 11.

*Bactrocrinites tenuis* Kirk, 1948. Hauser, 2007, p. 34, Pl. 1, figs. 12, 18-19.

unnumbered fig. (incorrectly considered synonym of *B. depressus* GDW 2010).

Devonian, Givetian (Erian), Traverse Group, Alpena Limestone. United States, Michigan

*ATELESTROCRINUS* Bassler and Moodey, 1943 = ***ATELESTROCRINUS***

*Atelestrocrinus robustus* (Wachsmuth and Springer, 1886) = *Atelestrocrinus robustus*

***ATHABASCACRINUS*** Laudon, Parks, and Spreng, 1952. \**A. colemanensis*  
Laudon, Parks, and Spreng, 1952.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Laudon, Parks, and Spreng, 1952, p. 566. Webster, 1973, p. 60. Macurda, 1974, p. 823, Figs. 1-2. Ubaghs *in* Moore and Teichert, 1978, p. T443. Webster, 1986, p. 69. Lane and Sevastopulo, 1987, p. 200. Webster, 1993, p. 28. Laudon, Parks,

and Spreng, 1952, p. 566. Webster, 1973, p. 60. Macurda, 1974, p. 823.

***ATHABASCOCRINUS*** Waters, et al., 2003, p. 935.

Named, currently recognized species based on cups or crowns: 2 species. 1

Devonian, Famennian, 1 Mississippian, Tournaisian

Devonian, Famennian. China, Xinjiang-Uygar

Mississippian, Tournaisian (Kinderhookian). Canada, Alberta

\**Athabascacrinus colemanensis* Laudon, Parks, and Spreng, 1952, p. 567, Pls. 68, figs. 1-3; 69, figs. 16-18. Webster, 1973, p. 60. Ubaghs *in* Moore and Teichert, 1978, p. T443, Fig. 252, no. 2. Webster, 1986, p. 69.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Athabascacrinus orientale* (Waters et al., 2003)

*Athabascocrinus orientale* Waters et al., 2003, p. 935, Figs. 9, nos. 1-2; 10, no. 4; 12, nos. 1-4.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

***ATHABASCOCRINUS*** Waters, et al., 2003 = ***ATHABASCACRINUS***

*Athabascocrinus orientale* Waters et al., 2003 = *Athabascacrinus orientale*

***ATHLOCRINUS*** Moore and Plummer, 1940. \**A. placidus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.

Laudonocrinidae

Moore and Plummer, 1940, p. 169. Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 163. Knapp, 1969, p. 378.

Strimple and Watkins, 1969, p. 203. Moore and Strimple, 1973, p. 48. Webster, 1973, p. 60. Webster, 1977, p. 44. Pabian and Strimple, 1974a, p. 285. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663. Webster, 1986, p. 69. Webster, 1993, p. 28.

Named, currently recognized species based on cups or crowns: 5 Pennsylvanian

species, 1 Morrowan, 2 Desmoinesian, 2 Missourian  
Pennsylvanian, Morrowan - Missourian. United States

*Athlocrinus clarus* Strimple, 1962 = *Sciadiocrinus clarus*

*Athlocrinus clypeiformis* Moore and Plummer, 1940 = *Sciadiocrinus clypeiformis*

*Athlocrinus cucullus* (Moore and Plummer, 1940). Knapp, 1969, p. 378. Webster, 1977, p. 44.

*Laudonocrinus cucullus* Moore and Plummer, 1940, p. 176, Pl. 6, fig. 4. Bassler and Moodey, 1943, p. 531. Knapp, 1969, p. 378. Webster, 1977, p. 44. Pennsylvanian, Missourian, Mineral Wells Formation. United States, Texas

*Athlocrinus dejustus* Moore and Strimple, 1973, p. 49, Pl. 6, figs. 5a-c. Webster, 1977, p. 44.

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

*Athlocrinus harrissae* (Moore and Plummer, 1940) = *Athlocrinus harrissae*

*Athlocrinus harrissae* (Moore and Plummer, 1940). Webster, 1993, p. 28.

*Athlocrinus harrissae* (Moore and Plummer, 1940). Lewis and Strimple, 1990, p. 298, Fig. 3, nos. 6-7, 12.

*Sciadiocrinus harrissae* Moore and Plummer, 1940, p. 232, Pl. 16, figs. 7-8; Fig. 52. Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1944, p. 165, Pls. 62, fig. 17; 64, fig. 6. Strimple, 1962e, p. 30, Pl. 9, figs. 5-6. Knapp, 1969, p. 377, Fig. 41. Webster, 1973, p. 236. Webster, 1977, p. 153. Moore and Strimple *in* Moore and Teichert, 1978, p. T732, Fig. 484, nos. 1j-1k. Webster, 1986, p. 280. Finsley, 1989, p. 96, Fig. 321. Webster, 1993, p. 28. Pabian and Rushlau, 2002, p. 28.

*Sciadiocrinus harrissae* Moore and Plummer, 1940. Lewis and Strimple, 1990, p. 298.

Pennsylvanian, Desmoinesian, Millsap Lake Formation; Oolagah Limestone; Altamont Limestone. United States, Texas, Oklahoma

*Athlocrinus nitidus* Moore and Plummer, 1940, p. 171, Pl. 6, fig. 3. Bassler and Moodey, 1943, p. 314. Devonshire, 1954, Pl. 2, figs. 5-6. Devonshire, 1955, Pl. 2,

figs. 5-6. Knapp, 1969, p. 378. Webster, 1977, p. 44.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

\**Athlocrinus placidus* Moore and Plummer, 1940, p. 170, Pl. 6, fig. 1; Fig. 30. Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 1; 63, fig. 13. Knapp, 1969, p. 378, Fig. 42. Webster, 1973, p. 60. Pabian and Strimple, 1974a, p. 285, Pl. 33, figs. 12-14. Webster, 1977, p. 44. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663, Figs. 435, nos. 1a-1c; 436, no. 3. Webster, 1986, p. 70.

Pennsylvanian, Missourian, Plattsburg Limestone, Meadow (Merriam) Limestone.  
United States, Kansas, Nebraska

*Athlocrinus?* sp. Knapp, 1969, p. 379, Pl. 62, figs. 6-8; Fig. 43. Webster, 1977, p. 45.  
Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

**ATOOCRINUS** M'Coy, 1844 = **PLATYCRINITES**

*Atocrinus milleri* M'Coy, 1844 = *Cyathocrinites milleri*

**ATOKACRINUS** Knapp, 1969. \**A. obscurus* Knapp, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
Paradelocrinidae

Knapp, 1969, p. 358, Fig. 3. Strimple and Moore, 1971c, p. 7. Moore and Strimple,  
1973, p. 62. Webster, 1977, p. 45. Moore, Strimple, and Lane *in* Moore and  
Teichert, 1978, p. T709. Webster, 1986, p. 70.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian  
species, 1 Morrowan, 1 Atokan, 1 Desmoinesian, 1 Westphalian  
Pennsylvanian, Morrowan - Desmoinesian. United States  
Pennsylvanian, Westphalian. Spain

*Atokacrinus decorus* Strimple and Moore, 1971c, p. 7, Fig. 2, nos. 1-3. Webster, 1977,  
p. 45. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709, Fig. 466,  
nos. 3d-3f. Webster, 1986, p. 70.  
Pennsylvanian, Desmoinesian, Lester Limestone. United States, Oklahoma

*Atokacrinus kullmanni* Strimple, 1976d, p. 634, Fig. 2, nos. A-D. Webster, 1986, p. 70.  
Pennsylvanian, Westphalian, Perapertu Formation, Marga Member. Spain

\**Atokacrinus obscurus* Knapp, 1969, p. 358, Pl. 61, figs. 1-3; Fig. 12. Strimple and  
Moore, 1971c, p. 7. Webster, 1977, p. 45. Moore, Strimple, and Lane *in* Moore  
and Teichert, 1978, p. T709, Fig. 466, nos. 3a-3c.  
Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Atokacrinus tumulosus* Moore and Strimple, 1973, p. 62, Pls. 16, figs. 3a-c; 17, fig. 5.  
Webster, 1977, p. 45. Webster, 1986, p. 70.  
Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Atokacrinus* sp. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709,  
unfig. Webster, 1986, p. 70.  
*Paradelocrinus* spec. 2 Breimer, 1962a, p. 172. Webster, 1973, p. 192. Moore,  
Strimple, and Lane *in* Moore and Teichert, 1978, p. T709, unfig. Webster, 1986,  
p. 70.  
Pennsylvanian, Moscovian. Spain

**ATOPOOCRINUS** Lane, 1970 = **OTHNEIOCRINUS**

\**Atopocrinus priscus* Lane, 1070 = \**Othneiocrinus priscus*

**TRACTOCRINUS** Kirk, 1948 = **ATELESTOCRINUS**

*Atractocrinus campanulatus* Kirk, 1948 = *Atelestocrinus campanulatus*

*Atractocrinus concinnus* Kirk, 1948 = *Atelestocrinus concinnus*

*Atractocrinus curtus* Kirk, 1948 = *Atelestocrinus curtus*

*Atractocrinus tenuis* Kirk, 1948 = *Atelestocrinus tenuis*

*Atractocrinus westoni* (Belanski, 1928) = \**Belanskicrinus westoni*

**ATRAPOCRINUS** Strimple, 1975. \**A. mutatus* Strimple, 1975.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Strimple, 1975e, p. 5. Moore and Strimple *in* Moore and Teichert, 1978, p. T640. Webster, 1986, p. 71.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Atokan species

Pennsylvanian, Atokan. United States, Oklahoma

\**Atrapocrinus mutatus* Strimple, 1975e, p. 5, Fig. 3, nos. 1-5. Moore and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 420, no. 1. Webster, 1986, p. 71.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

**ATREMACRINUS** Wanner, 1929. \**A. calyculus* Wanner, 1929.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinoidea, F. Streblocrinidae

Wanner, 1929, p. 40. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 314.

Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 180. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Fig. 3. Arendt, 1970a, p. 164.

Webster, 1973, p. 61. Webster, 1977, p. 45. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 71.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. Timor

\**Atremacrinus calyculus* Wanner, 1929, p. 83, Pls. 6, fig. 16; 7, fig. 13. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 314. Branson, C. C., 1948, p. 180. Arendt, 1970a, p. 164, Fig. 44. Webster, 1977, p. 45. Lane and Moore *in* Moore and Teichert, 1978, p. T603, Fig. 390, no. 6. Webster, 1986, p. 71.

Permian, series uncertain. Timor

Attached stalked crinoids Toomey, Lowenstein, and Mitchell, 1989, p. 60, Fig. 8, no. W (diagramatic). Webster, 1993, p. 28.

Early Permian

*ATTELESOCRINUS* Wachsmuth and Springer, 1886 = **ATELESTOCRINUS**

*Attelesocrinus delicatus* Wachsmuth and Springer, 1886 = *Atelestocrinus delicatus*

*ATYPHOCRINUS* Ulrich, 1924 = **DYSTACTOCRINUS**

*Atyphocrinus corryvillensis* Ulrich, 1924 = *Dystactocrinus constrictus*

**AULISKOOCRINUS** Broadhead, 1981. \**Dichocrinus crassitustus* White, 1862.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Broadhead, 1981, p. 127. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 41. Webster, 1993, p. 28.

Named, currently recognized species based on cups or crowns: 2 species. 1

Mississippian, Viséan (Osagean); 1 Permian, Wordian  
Mississippian, Viséan (middle Osagean). United States, Iowa  
Permian, Wordian. Australia, Queensland

*Auliskocrinus? bananaensis* Webster and Jell, 1999b, p. 286, Fig. 1, no. A.

Permian, Wordian, Flat Top Formation. Australia, Queensland

\**Auliskocrinus crassitustus* (White, 1862). Broadhead, 1981, p. 127, Pl. 11, figs. 4-10, 13; Fig. 2, no. G. Broadhead, 1985, p. 211, Fig. 5, no. B. Webster, 1988, p. 41.

*Dichocrinus crassitustus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 19. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 769, Pl. 76, figs. 6a-6c. Weller, S., 1898c, p. 221. Bassler and Moodey, 1943, p. 419. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, nos. 1a-1b. Broadhead, 1981, p. 127. Webster, 1986, p. 127.

*Dichocrinus angustus* Wachsmuth and Springer, 1897, p. 786 (part). Broadhead, 1981, p. 127.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

**AULNOOCRINUS** LeMenn, 1970. \**A. renaudae* LeMenn, 1970.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Proctothylacocrinidae

LeMenn, 1970, p. 43. Webster, 1977, p. 45.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian species

Devonian, Pragian. France

\**Aulnocrinus renaudae* LeMenn, 1970, p. 43, Pl. 6, figs. 2-8; Figs. 10-11. Webster, 1977, p. 45 (species description based on columnals, one of which has a partial cup attached, GDW).

Devonian, Pragian (Siegenian), Grauwacke du Faou. France

**AULOCRINUS** Wachsmuth and Springer, 1897. \**Scaphiocrinus bellus* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Wachsmuth and Springer, 1897, p. 138. Bather *in* Lankester, 1900, p. 190. Springer *in* Zittel, 1913, p. 224. Wanner, 1924, p. 178. Springer, 1926b, p. 70. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 171. Cuénot, 1948, p. 62. Arendt and Hecker, 1964, p. 89. Strimple and Watkins, 1969, p. 199. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 61. Webster, 1977, p. 45. Moore and Strimple *in* Moore and Teichert, 1978, p. T686. Webster, 1986, p. 71. Lane and Sevastopulo, 1990, p. 336.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (late Osagean - early Meramecian). United States, Indiana

*Aulocrinus agassizi* Wachsmuth and Springer, 1897 = \**A. bellus*

*Aulocrinus* cf. \**A. agassizi* Wachsmuth and Springer, 1897. Branisa, 1965, Pl. 55, figs. 1-2. Webster, 1977, p. 46 (not an *Aulocrinus*, GDW).

Early Permian, Copacabana Group. Bolivia

\**Aulocrinus bellus* (Miller and Gurley, 1890). Kammer and Ausich, 1993, p. 624, Figs. 6.14-6.17.

*Scaphiocrinus bellus* Miller and Gurley, 1890b, p. 46, Pl. 8, figs. 5-7. Miller and Gurley, 1891, p. 363, Pl. 8, figs. 5-7. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 578. Webster, 1973, p. 99. Kammer and Ausich, 1993, p. 624.

*Pachylocrinus bellus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1993, p. 624.

*Decadocrinus bellus* (Miller and Gurley, 1890). Moore and Laudon, 1944, p. 169, Pl. 64, fig. 25. Webster, 1973, p. 99. Kammer and Ausich, 1993, p. 624.

*Aulocrinus agassizi* Wachsmuth and Springer, 1897, p. 138, Pl. 7, fig. 9.

Wachsmuth

and Springer, 1900, p. 140, Pl. 16, figs. 11-12. Springer, 1926b, p. 74, Pl. 19, figs. 1-5. Bassler, 1938, p. 49. Moore, 1939b, p. 237, Fig. 12, no. 8 (portion of anal sac). Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1944, p. 171, Pl. 61, fig. 14. Ubaghs, 1953, p. 686, Fig. 25. Webster, 1973, p. 61. Ubaghs *in* Moore and Teichert, 1978, p. T189, T208, Figs. 159, no. 5; 175, no. 6. Moore

and

Strimple *in* Moore and Teichert, 1978, p. T686, Fig. 452, no. 3. Webster, 1986,

p. 71. Kammer and Ausich, 1993, p. 624.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; Harrodsburg Limestone. United States, Indiana

*Aulocrinus?* sp. Ahlfeld and Branisa, 1960, p. 104, Pl. 7, fig. 20. Webster, 1973, p. 61. (a cromyocrinid, probably *Moapacrinus* sp., GDW).

Permian, late Sakmarian, Copacabana Group. Bolivia

Cf. *Aulocrinus* or *Ramulocrinus* sp. Webster et al., 2001, p. 110, Pl. 1, fig. D.  
Mississippian, Tournaisian, Mobarak Formation. Iran, Alborz Mountains

**AULODESOCRINUS** Wright, 1942. \**A. parvus* Wright, 1942.

Sbc. Cladida, F. uncertain

Wright, J., 1942, p. 278. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 61.

Strimple *in* Moore and Teichert, 1978, p. T755. Webster, 1986, p. 71. Lane and  
Sevastopulo, 1990, p. 29. Webster, 1993, p. 29.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species

Mississippian, Viséan. United Kingdom, Scotland

*Aulodesicrinus parvus* (Wright, J., 1942) = \**Aulodesocrinus parvus*

\**Aulodesocrinus parvus* Wright, J., 1942, p. 279, Pl. 12, figs. 1-2; Fig. 1. Wright, J.,  
1951b, p. 73, Pl. 35, figs. 11-12; Fig. 37. Webster, 1973, p. 61. Strimple *in* Moore  
and Teichert, 1978, p. T755, Fig. 503, no. 1. Webster, 1986, p. 71.

*Aulodesicrinus parvus* (Wright, J., 1942). Sieverts-Doreck, 1960, Pl. 1, fig. 11.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

**AULOSOMPHOSTEGA** Moore, 1939. *Nomen vetitum* \**A. incisa* Moore, 1939.

Moore, 1939b, p. 238. Jeffords *in* Moore and Teichert, 1978, p. T936. (tegmen  
plates)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Kansas

\**Aulosomphostega incisa* Moore, 1939b, p. 238, Pl. 4, fig. 6. (portion of tegmen)

Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

**AUREOCRINUS** Prokop, 1982. \**A. snajdri* Prokop, 1982.

Sbc. Disparida, F. uncertain

Prokop, 1982a, p. 187. Webster, 1988, p. 41. Webster, 1993, p. 29.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Pragian  
species

Devonian, Pragian (Dalejan). Czech Republic, Bohemia

\**Aureocrinus snajdri* Prokop, 1982a, p. 188, Pls. 1, 2; Figs. 1-2. Webster, 1988, p. 41.

Prokop and Petr, 1990, p. 46, Pl. 4, fig. 4. Webster, 1993, p. 29.

Devonian, Pragian (Dalejan), Trebotov Limestone. Czech Republic, Bohemia

**AVIADOCRINUS** Almela and Revilla, 1950 = *CUPRESSOCRINITES* =  
**HALOCRINITES**



*Aviadocrinus sampelayoi* Almela and Revilla, 1950 = *Cupressocrinites sampelayoi* =  
*Halocrinites sampelayoi*

Axillary pinnate belonging to an unknown crinoid Moore, 1939b, p. 243, Fig. 13, nos.  
11a-11b. (pinnule)  
Permian, series uncertain. Timor

Axillary spines. Branisa, 1965, Pl. 55, figs. 17-18. Webster, 1977, p. 178 (primibrach).  
Early Permian, Copacabana Group. Bolivia

**AZYGOCRINUS** Lane, 1963. \**Actinocrinus dodecadactylus* Meek and Worthen, 1861.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Batocrinidae

Lane, N. G., 1963a, p. 698. Lane, N. G., 1963b, p. 923. Webster, 1973, p. 61.

Webster, 1977, p. 46. Haugh, 1978, p. 164, Fig. 11, no. C. Lane in Moore and  
Teichert, 1978, p. T467. Webster, 1986, p. 72. Lane and Sevastopulo, 1987, p.  
204. Webster, 1993, p. 29. Ausich and Kammer, 2010a, p. 41.

**Note.** Ausich and Kammer, 2010a, p. 41, list the age of *Azygocrinus* as Osagean  
but one species is reported from the Kinderhookian, GDW.

Named, currently recognized species based on cups or crowns: 8 Mississippian  
species, 1 Tournaisian, 7 Viséan

Mississippian, Tournaisian – Viséan (Kinderhook – Osagean). United States

*Azygocrinus andrewsianus* (McChesney, 1859 = *Abatocrinus andrewsianus*)

*Azygocrinus? calvini* (Rowley, 1890). Ausich and Kammer, 2010a, p. 41.

*Batocrinus calvini* Rowley, R. R., 1890a, p. 146, Unnum. Fig. Miller, S. A., 1892a, p.  
675. Keyes, 1894a, p. 180, Pl. 23, fig. 4. Weller, S., 1898c, p. 124. Wachsmuth  
and Springer, 1897, p. 373, Pl. 46, figs. 8a-8b. Bassler and Moodey, 1943, p.  
323. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 31.

*Abatocrinus calvini* (Rowley, 1890). Lane, N. G., 1963a, p. 696. Webster, 1973, p.  
31. Ausich and Kammer, 2010a, p. 41.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Missouri

*Azygocrinus cantonensis* (Wachsmuth and Springer, 1897) = *Dizygocrinus cantonensis*

*Azygocrinus decoris* (Miller, 1892). Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p.  
46.

*Batocrinus decoris* Miller, S. A., 1892a, p. 675. Miller, S. A., 1892c, p. 671, Pl. 10,  
figs. 7-8. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 429. Lane, N.  
G., 1963a, p. 695. Webster, 1973, p. 64. Webster, 1977, p. 46.

*Dizygocrinus decoris* (Miller, 1892). Wachsmuth and Springer, 1897, p. 420, Pl.  
35, fig. 6. Beede, 1906, p. 1253, Pls. 12, figs. 5-5a; 16, fig. 4. Bassler and  
Moodey, 1943, p. 429.

Mississippian, Viséan (Osagean), Salem Limestone; Spergen Limestone; Fort Payne  
Chert; Warsaw Formation. United States, Iowa, Indiana, Kentucky

- \**Azygocrinus dodecadactylus* (Meek and Worthen, 1861). Lane, N. G., 1963a, p. 698, Fig. 3, no. A. Webster, 1973, p. 61. Lane *in* Moore and Teichert, 1978, p. T468, Fig. 275, no. 4. Webster, 1986, p. 72.
- Actinocrinus dodecadactylus* Meek and Worthen, 1861, p. 131. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Actinocrinus (Batocrinus) dodecadactylus* Meek and Worthen, 1861. Meek and Worthen, 1866, p. 205, Pl. 15, figs. 3a-3c; Fig. 14. Bassler and Moodey, 1943, p. 429.
- Dizygocrinus dodecadactylus* (Meek and Worthen, 1861). Wachsmuth and Springer, 1897, p. 432, Pl. 29, figs. 1a-1c. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 429.
- Batocrinus dodecadactylus* (Meek and Worthen, 1861). Miller, S. A., 1889, p. 227, Fig. 252. Weller, S., 1898c, p. 232.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa
- Azygocrinus enodus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 41.  
*Batocrinus enodatus* Miller and Gurley, 1896c, p. 46, Pl. 2, figs. 21-23. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 324. Ausich and Kammer, 2010a, p. 41.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Azygocrinus euconus* (Meek and Worthen, 1865) = *Batocrinus euconus*
- Azygocrinus formaceus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 41.  
*Batocrinus formaceus* Miller and Gurley, 1895b, p. 24, Pl. 1, figs. 23-24. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 325. Ausich and Kammer, 2010a, p. 41.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Azygocrinus modulus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 41.  
*Batocrinus modulus* Miller and Gurley, 1896a, p. 16, Pl. 1, figs. 39-41. Miller, S. A., 1889, p. 228. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328. Ausich and Kammer, 2010a, p. 41.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Azygocrinus montgomeryensis* (Worthen, 1884) = *Dizygocrinus montgomeryensis*
- Azygocrinus politus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 41.  
*Batocrinus politus* Miller and Gurley, 1896c, p. 31, Pl. 1, figs. 23-25. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 329. Ausich and Kammer, 2010a, p. 41.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Azygocrinus rotundus* (Yandell and Shumard, 1855). Lane, N. G., 1963a, p. 698. Lane, N. G., 1963b, p. 923, Fig. 4. Rose, 1967, p. 24, Pl. 17, fig. 7. Laudon, 1973b, p.

- 30, Figs. 1, 3. Webster, 1973, p. 61. Haugh, 1975b, p. 267, Figs. 5-9, 6-4. Webster, 1977, p. 45. Wolf, 1983, p. 170, Pl. 23, fig. 5. Webster, 1986, p. 72. Ausich *in* Hess et al., 1999, p. 141, Figs. 147-148. Ausich and Kammer, 2010a, p. 41
- Actinocrinus rotundus* Yandell and Shumard, 1855, p. 191, Pl. A, figs. 2a-2b. Billings, E., 1858, p. 30, Fig. 16. Hall, 1859a, Pl. 3, fig. 1. Shumard, 1868, p. 347. Quenstedt, 1876, p. 583, Pl. 110, figs. 21-22. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus rotundus* (Yandell and Shumard, 1855). Keyes, 1894a, p. 182, Pl. 23, figs. 6a-6b. Miller, S. A., 1889, p. 228, Fig. 254. Bassler and Moodey, 1943, p. 431.
- Actinocrinus oblatum* Hall, 1859a, p. 38, Unnum. Fig. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 431.
- Batocrinus oblatum* (Hall, 1859). Miller, S. A., 1889, p. 228. Whitfield, 1893b, p. 12, Pl. 1, figs. 21-22. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 431.
- Dizygocrinus rotundus* (Yandell and Shumard, 1855). Wachsmuth and Springer, 1897, p. 431, Pl. 29, figs. 3a-3g, 4. Weller, S., 1898c, p. 235. Grabau and Shimer, 1910, p. 542. Van Tuyl, 1925, p. 123, 129, 131, Pl. 4, fig. 9. Bassler and Moodey, 1943, p. 431. Moore and Laudon, 1944, p. 197, Pl. 75, fig. 2. Webster, 1973, p. 113. Haugh, 1975a, p. 483, Pl. 2, fig. 10. Webster, 1986, p. 131.
- Batocrinus complanatus* Miller and Gurley, 1896c, p. 27, Pl. 1, figs. 19-20. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 324. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus complanatus* Miller and Gurley, 1896. Miller, S. A., 1897, p. 736. Weller, 1898c, p. 125.
- Batocrinus enodis* Miller and Gurley, 1896c, p. 25, Pl. 1, figs. 16-18. Miller, S. A., 1897, p. 736, Fig. 1307. Weller, S., 1898c, p. 126. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus enodus* Miller and Gurley, 1896. Bassler and Moodey, 1943, p. 324.
- Batocrinus glaber* Miller and Gurley, 1896c, p. 32, Pl. 1, figs. 26-28. Miller, S. A., 1897, p. 736, fig. 1308. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus levigatus* Miller and Gurley, 1896c, p. 29, Pl. 1, figs. 21-22. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus subovatus* Miller and Gurley, 1896c, p. 50, Pl. 2, figs. 30-31. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus subrotundus* Miller and Gurley, 1896c, p. 48, Pl. 2, figs. 27-29. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Lane, N. G., 1963a, p. 698. Webster, 1973, p. 61.
- Batocrinus subrotundatus* Miller and Gurley, 1896. Weller, S., 1898, p. 135. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Illinois, Missouri

*Babanocrinus kegelensis* (Yeltyschewa, 1966) = *Virucrinus kegelensis*

**BABIACRINITES** Hauser *in* Hauser and Landeta, 2007. \**Babiacrinites pyramialis*  
Hauser *in* Hauser and Landeta, 2007.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Periechocrinidae

Hauser *in* Hauser and Landeta, 2007, p. 26.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Emsian - Eifelian species

Devonian, Emsian–Eifelian. Spain

\**Babiacrinites pyramidalis* Hauser *in* Hauser and Landeta, 2007, p. 26, Figs. 3-4.

Devonian, boundary beds of Emsian – Eifelian, Santa Lucia Formation. Spain, Leon

*Bactocrinites fieldi* (Springer and Slocum, 1906) = *Bactocrinites fieldi*

*Bactocrinites reimanni* (Goldring, 1954) = *Bactocrinites reimanni* = *B. fieldi*

**BACTROCRINITES** Schnur, 1849. \**Poteriocrinus fusiformis* Roemer, 1844.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Schnur *in* Steininger, 1849, p. 22. Schnur *in* Steininger, 1853, p. 38. Bassler, 1938,  
p. 49. Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1943b, p. 52.

Arendt and Hecker, 1964, p. 86. Ubaghs, 1953, p. 751. Webster, 1973, p. 61.

Moore and Laudon *in* Moore and Teichert, 1978, p. T609. McIntosh, 1979, p. 20.

McIntosh, 1983, p. 496. Webster, 1986, p. 72. Webster, 1988, p. 41. Hauser,

1997, p. 55, Fig. 18. Bohatý, 2005a, p. 395, Fig. 2. Hauser, 2007, p. 29, Fig. 3.

Hauser, 2008, p.13, Fig. 8. LeMenn, 2009, p. 469, Fig. 7.25, no. d.

**BACTROCRINUS** Quenstedt, 1875, p. 533. Zittel, 1880, p. 344, 361. Zittel, 1895, p.

135. Jaekel, 1895a, p. 81. Bather *in* Lankester, 1900, p. 173. Wachsmuth *in*

Zittel, 1900, p. 155. Springer *in* Zittel, 1913, p. 218. Schmidt, W. E., 1934, p. 56.

Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 315. Sieverts-Doreck, 1953,  
p. 79. Webster, 1973, p. 61.

**HYPISOCRINUS** Springer and Slocum, 1906, p. 267. \**H. fieldi* Springer and

Slocum, 1906. Springer *in* Zittel, 1913, p. 208. Bassler, 1938, p. 116. Bassler

and Moodey, 1943, p. 520. Moore and Laudon, 1943b, p. 30. Strimple, 1963d,

p. 22, Fig. 1, no. a. Ubaghs, 1953, p. 747. Webster, 1973, p. 155. Moore and

Lane *in* Moore and Teichert, 1978, p. T558. McIntosh, 1979, p. 20. Webster,

1986, p. 72.

**KALPIDOCRINUS** Goldring, 1954, p. 17. \**K. eriensis* Goldring, 1954. Moore and

Lane *in* Moore and Teichert, 1978, p. T624. McIntosh, 1979, p. 20. Webster,

1986, p. 72.

**PERISSOCRINUS** Goldring, 1936, p. 20. \**P. papillatus* Goldring, 1936. Bassler,

1938, p. 150. Bassler and Moodey, 1943, p. 604. Moore and Laudon, 1943b,

p. 30. Ubaghs, 1953, p. 747. Webster, 1973, p. 203. Moore and Lane *in* Moore

and Teichert, 1978, p. T558. McIntosh, 1979, p. 20. Webster, 1986, p. 72.

Named, currently recognized species based on cups or crowns: 14 species, 1

- subspecies. 1 Silurian, Niagaran; 1 Silurian, Niagaran, Devonian, Givetian; 12 Devonian, 1 Lochkovian, 3 Emsian, 6 Eifelian (+1 subspecies), 1 Eifelian – Givetian, 1 Givetian  
 Middle Silurian - Middle Devonian. United States  
 Early - Middle Devonian. Germany, India  
 Devonian, Lochkovian (Gedinnian). France
- Bactrocrinites birmanicus* Reed, 1908, p. 39, Pl. 5, fig. 12. Bassler and Moodey, 1943, p. 315. Hauser, 2007, p. 34, Fig. 12, nos. a, b (p. 34) (considered a synonym of *B. fusiformis*).  
*Bactrocrinites birmanicus* Reed, 1908. Bassler and Moodey, 1943, p. 322.  
 Devonian, ?Eifelian. India, northern Shan States
- Bactrocrinites campanulatus* Kirk; Hauser, 2007 = *Atelestocrinites campanulatus*
- Bactrocrinites concinnus* Kirk; Hauser, 2007 = *Atelestocrinites concinnus*
- Bactrocrinites curtus* Kirk; Hauser, 2007 = *Atelestocrinites curtus*
- Bactrocrinites cyathus* Schmidt, W. E., 1942, p. 100, Pl. 12, fig. 9. Webster, 1973, p. 62.  
 Hauser, 2007, p. 34, unnumbered fig.  
 Devonian, Emsian (late Coblenzian). Germany
- Bactrocrinites depressus* (Schultze, 1866). Bohatý, 2005a, p. 396, Fig. 3, nos. 1-4.  
 Hauser, 2007, p. 29, Figs. 4, 5; p. 34, 4 unnumbered figs; Pl. 1, figs. 13, 20.  
*Poteroicrinites fusiformis* var. *depressa* Schultze, 1866. Bohatý, 2005a, p. 396.  
*Bactrocrinites fusiformis depressus* (Schultze, 1866), Hauser, 1997, Hauser, 2001.  
 Bohatý, 2005a, p. 396.  
*Bactrocrinites humilis* Bohatý, 2005a, p. 401, Fig. 3, nos. 13-16.  
*Bactrocrinites fusiformis* (Roemer, 1844), McIntosh, 1979, Pl. 2, figs. 3, 6 only.  
 Bohatý, 2005a, p. 401.  
 Devonian, Eifelian, Freilingen Formation; upper part of Junkerberg Formation, Grauberg Subformation, Mims Member. Germany
- Bactrocrinites* aff. *depressus* (Schultze, 1866). Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 2.  
 Devonian, early Eifelian, Santa Lucia Formation. Spain
- Bactrocrinites fieldi* (Springer and Slocum, 1906). McIntosh, 1979, p. 20, Pls. 1, figs. 1-23; 2, figs. 1-2, 4; Figs. 1-2. Hauser, 2007, p. 35, Pl. 1, figs. 14-19; 4 unnumbered figs. (The 2 figures from McIntosh, 1979 are not the same species, GDW)  
*Hypsocrinites fieldi* Springer and Slocum, 1906, p. 269, Pl. 81, figs. 1-6. Goldring, 1923, p. 322, Pl. 40, figs. 1-5. Goldring, 1936, p. 21, Fig. 1. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 520. Moore and Lane in Moore and Teichert, 1978, p. T558, Fig. 350, no. 2. McIntosh, 1979, p. 20. Webster, 1986, p. 72.  
*Bactrocrinites fieldi* (Springer and Slocum, 1906). Webster, 1986, p. 72.

*Bactrocrinites reimanni* Goldring, 1954, p. 15, Pl. 1, figs. 8-11. Webster, 1973, p. 62. Moore and Lane *in* Moore and Teichert, 1978, p. T610, Fig. 396, nos. 2c, 2d. McIntosh, 1979, p. 20. Hauser, 2007, p. 39, 2 unnumbered figs.  
*Bactrocrinites reimanni* (Goldring, 1954). Webster, 1986, p. 72.  
*Botryocrinus obconicus* Goldring, 1923, p. 371, Pl. 47, fig. 13. Bassler and Moodey, 1943, p. 338. McIntosh, 1979, p. 20. Webster, 1986, p. 72.  
*Kalpidocrinus eriensis* Goldring, 1954, p. 18, Pl. 4, figs. 10-12. Webster, 1973, p. 160. Moore and Lane *in* Moore and Teichert, 1978, p. T624, Figs. 406, no. 3. McIntosh, 1979, p. 20. Webster, 1986, p. 72.  
*Perissocrinus papillatus* Goldring, 1936, p. 21, Pl. 7, fig. 6; Unnum. Fig. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 604. Strimple, 1963d, p. 22, Fig. 1, no. b. Webster, 1973, p. 203. Moore and Lane *in* Moore and Teichert, 1978, p. T558, Fig. 350, no. 6. McIntosh, 1979, p. 20. Webster, 1986, p. 72.  
 Middle Devonian, Givetian, Moscow Shale; Centerfield Shale; Ludlowville Shale. United States, New York  
 Silurian, Niagaran, Niagara Limestone. United States, Illinois, New York (Hauser loc and age)

\**Bactrocrinites fusiformis* (Roemer, 1844). Schnur *in* Steininger, 1849, p. 22. Schnur *in* Steininger, 1853, p. 38. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 315. Webster, 1973, p. 62. Moore and Lane *in* Moore and Teichert, 1978, p. T609, Fig. 396, nos. 2e-2f. McIntosh, 1979, p. 25, Pl. 2, figs. 3, 5-9. Webster, 1986, p. 73. Hauser, 1997, p. 55, Pls. 33, figs. 1-8; 34, figs. 1-2. Bohatý, 2005a, p. 395, Fig. 3, nos. 5-12. Hauser, 2007, p. 29, Fig. 2; p. 35, 8 unnumbered figs; Pl. 1, 1-3, 5, 7, 22-27, 34. Hauser, 2008, p. 13, Pls. 5, fig. 3; 9, figs. 1, 4; 12, fig. 8; 17, fig. 4; Figs 7, 9.

*Poteriocrinites fusiformis* Roemer, C. F., 1844, p. 61, Pl. 3, figs. 2a-2d. Schultze, 1866 (adv. pub.) . Schultze, 1867, p. 157, Pl. 5, figs. 1-1g (*non* 1h-1i). Bassler and Moodey, 1943, p. 315.

*Poteriocrinus fusiformis* (Roemer, 1844). Bronn, 1848, p. 1035. d'Orbigny, 1850, p. 103. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274.

*Bactrocrinus fusiformis* (Roemer, 1844). Jaekel, 1895a, p. 83, Fig. 26. Bassler and Moodey, 1943, p. 315. Sieverts-Doreck, 1950, p. 83, figs. 2-4. Webster, 1973, p. 62.

Devonian, Eifelian; Givetian, ?Loogh Formation, Ahbach Formation. Germany

*Bactrocrinites fusiformis* (Roemer, 1844), Hauser, 1997 = *Bactrocrinites porrectus*

*Bactrocrinites fusiformis* (Roemer, 1844), McIntosh, 1979 (part) = *Bactrocrinites humilis*

*Bactrocrinites fusiformis* Schultze, 1866 (part) = *Bactrocrinites tenuis*

*Bactrocrinites fusiformis depressa* (Schultze, 1867). Hauser, 1997, p. 55, Pl. 34, fig. 9. Devonian, Eifelian, Freilingen Formation. Germany

*Bactrocrinites fusiformis depressus* (Schultze, 1866) = *Bactrocrinites depressus*

*Bactrocrinites hohenfelsensis* Hauser, 2007, p. 30, Figs. 9, 10; p. 36, 2 unnumbered

- figs.; Pl. 1, figs. 28-29.  
Devonian, Eifelian, Junkerberg Formation. Germany
- Bactrocrinites humilis* Bohatý, 2005 = *Bactrocrinites depressus*
- Bactrocrinites jaekeli* (Schmidt, 1934). Bassler and Moodey, 1943, p. 315.  
*Bactrocrinus jaekeli* Schmidt, W. E., 1934, p. 56, Fig. 9, nos. a-a1. Bassler and Moodey, 1943, p. 315. Kutscher, 1972, p. 85, Unnum. Fig. p. 84. Bartels and Brassel, 1990, p. 165, Fig. 149. Bartels, Briggs, and Brassel, 1998, p. 186, Fig. 162. Hess *in* Hess et al., 1999 p. 114, Fig. 128. Hauser, 2007, p. 36, Figs. a, a1.  
*Bactrocrinus nanus* Jaekel, 1895a, p. 85, Pl. 6, figs. 1-2.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Bactrocrinites mulleri* (Jaekel, 1895). Bassler and Moodey, 1943, p. 315. Hauser, 1997, p. 57, Pl. 34, figs. 3-5. Bohatý, 2005, p. 402, Figs. 4, nos. 11-15. Hauser, 2007, p. 37, Pl. 1, figs. 11, 31, 33; 5 unnumbered figs. (Not all the same species, GDW). Hauser, 2008, p. 14, Pls. 5, fig. 5; 7, fig. 6; 9, fig. 2; 16, fig. 11; 17, fig. 6; Fig. 10.  
*Bactrocrinus mulleri* Jaekel, 1895a, p. 82. Bassler and Moodey, 1943, p. 315.  
*Poteroicrinus fusiformis* Roemer, 1844. Quenstedt, 1885, p. 949, Fig. 352. Frech, 1902, Pl. 27, fig. 5.  
*Poteroicrinus fusiformis* Müller, J. 1856 (*non* Roemer, 1844), p. 250, Pl. 2, fig. 2. Bassler and Moodey, 1943, p. 315  
Devonian, Eifelian, Junkerberg Formation; Givetian, Ahbach Formation. Germany
- Bactrocrinites oklahomaensis* Strimple, 1952b, p. 78, Figs. 12-13. Strimple, 1963d, p. 62. Webster, 1973, p. 62. Moore and Lane *in* Moore and Teichert, 1978, p. T610, Fig. 396, nos. 2a-2b. Webster, 1986, p. 73. Kendrick, 2007, p. 346, Fig. 9, no. H.  
Hauser, 2007, p. 31, Figs. 11, 12; p. 37, 2 unnumbered figs.; Pl. 1, fig. 21.  
Hauser, 2008, p. 14, Pls. 2, fig. 8; 7, fig. 7; 15, fig. 14; Fig. 11. (Not *B. oklahomaensis*, thus, Silurian age is probably the correct for this species. GDW)  
Silurian, Ludlovian (Niagaran), Henryhouse Formation. United States, Oklahoma  
Devonian, Givetian, Ahbach Formation. Germany
- Bactrocrinites onondagensis* Goldring, 1954, p. 13, Pl. 1, figs. 12-13. Webster, 1973, p. 62. McIntosh, 1979, p. 25, Pl. 2, figs. 10-14. Webster, 1986, p. 73. Hauser, 2007, p. 32, Pl. 1, figs. 9-10, 32, 36; p. 38, Pl. 1, figs. 9-10, 32, 36; 4 unnumbered figs. (**Note:** The four figures are not all the same species, GDW, 2011)  
Devonian, Eifelian, Onondaga Formation, Edgecliff Limestone Member, Clarence Limestone Member, Moorehouse Limestone Member. United States, New York
- Bactrocrinites penaneachensis* Le Menn, 1985, p. 84, Pl. 17, figs. 1-7. Webster, 1988, p. 41. Hauser, 2007, p. 39, unnumbered fig.  
Devonian, Lochkovian (Gedinnian), Landevennec Sandstone. France, Armorican

## Massif

- Bactrocrinites porrectus* Bohatý, 2005a, p. 403, Fig. 4, nos. 1-3.  
*Bactrocrinites fusiformis* (Roemer, 1844), Hauser, 1997, Pl. 33, fig. 8. Bohatý, 2005, p. 403.  
 Devonian, Givetian, lower part of Mullert Subformation, Ahbach Formation.  
 Germany
- Bactrocrinites reimanni* Goldring, 1954 = *B. fieldi*
- Bactrocrinites tenuis* (Jaekel, 1895). Bassler and Moodey, 1943, p. 315. Hauser, 1997, p. 58, Pl. 34, figs. 6-7. Bohatý, 2005a, p. 407, Fig. 4, nos. 4-10. Hauser, 2007, p. 32, Pl. 1, figs. 12, 18-19; p. 39, 3 unnumbered figs. (Not all the same species, GDW).  
*Bactrocrinus tenuis* Jaekel, 1895a, p. 82. Bassler and Moodey, 1943, p. 315.  
*Bactrocrinites fusiformis* Schnur in Steininger, 1849 (part), p. 22. Schnur in Steininger, 1853, p. 38 (part). Bassler and Moodey, 1943, p. 315.  
*Poteriocrinus fusiformis* Schultze (part), 1866 (adv. pub.). Schultze, 1867, p. 157, Pl. 5, figs. 1h-1i (*non* 1-1g). Bassler and Moodey, 1943, p. 315.  
 Devonian, Eifelian, Junkerberg Formation. Germany
- Bactrocrinites tenuis* Kirk; Hauser, 2007 = *Atelestocrinus tenuis*
- Bactrocrinites? trabicus* (Schmidt, 1934). Bassler and Moodey, 1943, p. 315.  
*Bactrocrinus? trabicus* Schmidt, W. E., 1934, p. 57, Pl. 11, fig. 2; Figs. 9b-9b<sub>2</sub>.  
 Bassler and Moodey, 1943, p. 315.  
 Devonian, early Emsian, Hunsrückschiefer. Germany
- Bactrocrinites westoni* (Belanski, 1928) = *Atractocrinus westoni* = *\*Belanskicrinus westoni*
- Bactrocrinites zeileri* (Jaekel, 1895) = *Antihomocrinus zeileri*
- Bactrocrinites zeileri* Mueller in Zeiler and Wirtgen, 1855. Hauser, 2007, p. 40, unnumbered fig.  
 Early Devonian. Germany
- Bactrocrinites* sp.  
 Breimer, 1962a, p. 168, Pl. 15, figs. 7-8. Webster, 1973, p. 62. Hauser, 2007, p. 38, 2 unnumbered figs. (considered a *B. onondaensis*).  
 Devonian, Emsian, La Vid Formation. Spain  
 Le Menn, 1985, p. 85, Pl. 17, fig. 8. Webster, 1988, p. 41.  
 Devonian, late Emsian, Verveur Formation. France, Armorican Massif
- ?*Bactrocrinites* sp. Hauser, 1997, Pl. 34, fig. 8.  
 Devonian. Germany



**BACTROCRINUS** of authors = **BACTROCRINITES**

*Bactrocrinus fusiformis* Sieverts-Doreck, 1950 = *Bactrocrinites fusiformis*

*Bactrocrinus jaekeli* Schmidt, 1934 = *Bactrocrinites jaekeli*

*Bactrocrinus mulleri* Jaekel, 1895 = *Bactrocrinites mulleri*

*Bactrocrinus nanus* Jaekel, 1895 = *Bactrocrinites jaekeli*

?*Bactrocrinus nanus* Opitz, 1932 = *Parisangulocrinus cucumis*

*Bactrocrinus tenuis* Jaekel, 1895 = *Bactrocrinites tenuis*

*Bactrocrinus? trabicus* Schmidt, 1934 = *Bactrocrinites trabicus*

*Bactrocrinus westoni* Belanski, 1928 = *Bactrocrinites westoni* = *Atractocrinus westoni* = *Belanskicrinus westoni*

*Bactrocrinus zeileri* Jaekel, 1895 = *Antihomocrinus zeileri*

**BAEROCRINUS** Volborth, 1864. \**B. ungeri* Volborth, 1864.

Sbc. Hybocrinida, F. Baerocrinidae

Volborth, 1864a, p. 65 (adv. pub.). Volborth, 1864b, p. 178. Volborth, 1865, p. 442.

Volborth, 1866, p. 547. Grewingk, 1867a, p. 109, Pl. 1, fig. C. Wachsmuth and Springer, 18883b, p. 365, Fig. 1, p. 366; Fig. 1, p. 375. Springer, 1886, p. 195 (119). Bather, 1890b, p. 334. Zittel, 1895, p. 134. Bather, 1896, p. 420.

Wachsmuth *in* Zittel, 1900, p. 152. Springer *in* Zittel, 1913, p. 211. Bassler, 1938,

p. 50. Bassler and Moodey, 1943, p. 316. Moore and Laudon, 1943b, p. 32.

Ubaghs, 1953, p. 749, Fig. 80b. Moore, 1962b, p. 14, Fig. 8, no. 2. Arendt and Hecker, 1964, p. 82. Philip, 1965, Fig. 1, no. f. Strimple, 1975m, p. 53. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 109, no. 2. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 73. Webster, 1988, p. 41. Webster, 1993, p. 29.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Darriwillian species

Ordovician, Darriwillian. Russia, Estonia

*Baerocrinus parvus* Jaekel, 1902, p. 1084, Fig. 16. Bassler and Moodey, 1943, p. 316.

Regnell, 1948, p. 9, Fig. 3, no. A. Ubaghs, 1953, p. 749, Fig. 80, no. b. Webster, 1973, p. 62. Arendt, 1981, p. 164, Fig. 29, no. v. Webster, 1988, p. 41. Rozhnov, 2002, p. 585, Fig. 44, nos. c-d.

Ordovician, Darriwillian, Kunda Formation, *Orthoceras* Limestone. Russia, St. Petersburg region

\**Baerocrinus ungeri* Volborth, 1864a, p. 65 (adv. pub.). Volborth, 1864b, p. 178.

Volborth, 1865, p. 442, Unnum. Pl. Grewingk, 1867a, p. 109, Pl. 1, figs. 2a-2g. Carpenter, P. H., 1882, p. 298, Pl. 11, fig. 1; Figs. 1-2. Bather, 1889, p. 163, Fig. 1, no. B. Bather, 1890c, p. 386, Pl. 15, fig. 3. Bather, 1893a, p. 104. Bather *in* Lankester, 1900, p. 145, Fig. 57, no. 4. Bassler, 1938, p. 50. Bassler and Moodey, 1943, p. 316. Arendt and Hecker, 1964, p. 82, Figs. 118-119. Webster, 1973, p. 62. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 365, nos. 2a-c. Arendt, 1981, p. 164, Fig. 29, nos. i-z. Rozhnov, 1985b, p. 5, Fig. 1, no. v-g. Rozhnov, 1986, p. 2, Fig. 1, nos. c-d. Webster, 1986, p. 73. Webster, 1988, p. 41. Webster, 1993, p. 29.

Ordovician, Darriwilian. Russia, Estonia

**BALACRINUS** Ramsbottom, 1961. \**Glyptocrinus basalis* M'Coy, 1850.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Archaeocrinidae  
Ramsbottom, 1961, p. 24. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 62.  
Ubaghs *in* Moore and Teichert, 1978, p. T416. Donovan, 1985a, p. 125.  
Webster, 1986, p. 73. Donovan, Paul, and Lewis, 1996, p. 216. Ausich, 1998b,  
p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian-Katian species  
Ordovician, Sandbian – Katian (Caradocian). United Kingdom

\**Balacrinus basalis* (M'Coy, 1850). Ramsbottom, 1961, p. 25, Pl. 7, figs. 1-7. Webster,  
1973, p. 62. Ubaghs *in* Moore and Teichert, 1978, p. T416, Fig. 227, no. 1.

Lockley, 1980, p. 226, Fig. 104. Webster, 1986, p. 73. Webster, 1988, p. 41.  
Donovan, Paul, and Lewis, 1996, p. 216, Pls. 38, figs. 3-4; 40, fig. 1; Fig. 23.

*Glyptocrinus basalis* M'Coy, 1850, p. 289. M'Coy, 1854, p. 57, Pl. 1-D, fig. 4.  
Murchison, 1859, p. 206, Fig. 29. Bigsby, 1868, p. 20. Murchison, 1872, p. 190,  
Fossils Fig. 32. Baily, 1875, Pl. 10, figs. 7a-7b. Bassler, 1938, p. 70. Bassler and  
Moodey, 1943, p. 661. Ramsbottom, 1961, p. 25. Webster, 1973, p. 62.

*Glyptocrinus?* (*Coelocrinus* n. g.) *basalis* M'Coy, 1854. Salter, 1866, p. 283, Pl. 23,  
fig. 4.

*Rhaphanocrinus basalis* (M'Coy, 1850). Bassler and Moodey, 1943, p. 661. White,  
E., 1964, p. 60, Pl. 4, fig. 3. Webster, 1977, p. 150.

Ordovician, Sandbian – Katian (Caradocian), Allt Ddu Formation; Bala Limestone.  
United Kingdom, Wales

*Balacrinus* sp.

McKerrow, 1978, p. 80, Fig. 11. Webster, 1986, p. 73.  
Ordovician

Wright, 1983, p. 587, Pl. 65, fig. 4. Webster, 1988, p. 41.  
Ordovician, Katian, Glanrafon Beds. United Kingdom

**BALANOCRINITES** Troost, 1850 = **LAMPTEROCRINUS**

*Balanocrinites sculptus* Troost, 1850 = *Lampterocrinus tennesseensis*

**BALANOCRINUS** Hall, 1861 = **LAMPTEROCRINUS**

*Balanocrinus inflatus* Hall, 1861 = *Lampterocrinus inflatus*

*Balanocrinus sculptus* Troost, 1850 = *Lampterocrinus tennesseensis*

**BALEAROCRINUS** Bourrouilh and Termier, 1973. \**B. breimeri* Bourrouilh and Termier, 1973.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Poteriocrinitidae  
Bourrouilh and Termier, 1973, p. 229. Webster, 1986, p. 73. Webster, 1988, p. 41.  
Herbig, 1994, p. 26. Webster et al., 2004, p. 42.

Named, currently recognized species based on cups or crowns: 3 Mississippian,  
Viséan species

Mississippian, Viséan. Spain, Algeria

\**Balearocrinus breimeri* Bourrouilh and Termier, 1973, p. 229, Pls. 27-28; Figs. 3-4.  
Webster, 1986, p. 74.

Mississippian, Viséan. Spain, Minorca

*Balearocrinus cantabricus* Herbig, 1982, p. 479, Figs. 2-3. Webster, 1988, p. 42.  
Herbig, 1994, p. 17, Fig. 2, nos. a-f.

*Rhabdocrinus scotocarbonarius* Morris, P. G., 1992 (non Wright, 1937), p. 182, Fig.  
2, nos. A-D. Herbig, 1994, p. 27.

Mississippian, Viséan, Alba Formation; Genicera Formation. Spain, Leon

*Balearocrinus pareyni* Webster et al., 2004, p. 42, Pl. 11, figs. 13-15.  
Mississippian, late Viséan, Mazzer Formation. Algeria

**BARRANDEOCRINUS** Angelin, 1878. \**B. sceptrum* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Carpocrinidae

Angelin, 1878, p. 7. Zittel, 1880, p. 344, 368. Wachsmuth and Springer, 1885, p.  
125 (347). Zittel, 1895, p. 130. Bather *in* Lankester, 1900, p. 166. Wachsmuth  
*in* Zittel, 1900, p. 144. Springer *in* Zittel, 1913, p. 195. Bassler, 1915, p. 101.  
Bassler, 1938, p. 50. Bassler and Moodey, 1943, p. 316. Moore and Laudon,  
1943b, p. 90. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 740. Webster, 1973, p. 62.  
Ubaghs *in* Moore and Teichert, 1978, p. T463. Webster, 1986, p. 74. Webster,  
1988, p. 42.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Wenlockian species

Silurian, Wenlockian. Sweden

*Barrandeocrinus canaliculatus* (Miller, 1894) = *Cylicocrinites canaliculatus* an algae

*Barrandeocrinus? indiaensis* (Miller and Gurley, 1895) = *Cylicocrinites indianensis* an  
algae

\**Barrandeocrinus sceptrum* Angelin, 1878, p. 8, Pls. 4, figs. 5-5a; 5, figs. 6-6a; 22,  
figs. 2-4. Neumayr, 1889, p. 467, Fig. 137. Wachsmuth and Springer, 1897, p.  
485, Pl. 8, fig. 1. Delage and Herouard, 1903, p. 384, Fig. 471. Springer,

1926a, p. 35, Pl. 9, figs. 6-7. Bassler, 1938, p. 50. Bassler and Moodey, 1943, p. 316. Ubaghs, 1953, p. 740, Fig. 81. Ubaghs, 1956a, p. 522, Pls. 1-7; Figs. 1-14. Webster, 1973, p. 62. Ubaghs *in* Moore and Teichert, 1978, p. T140, T143, T155, T173, T463, Figs. 112, no. 2; 113, no. 6; 128, nos. 1-3; 146, no. 4; 273, no. 1. Brett, 1984, p. 102, Fig. 9, no. A. Webster, 1986, p. 74. Webster, 1988, p. 42.

Hess *in* Hess et al., 1999 p. 83, Fig. 99, nos. a-c.  
Silurian, Wenlockian, Slite Beds. Sweden, Isle of Gotland

Barycrinidae? indeterminate Webster et al., 2004, p. 40, Pl. 10, figs. 13-17.  
Mississippian, late Viséan, Akacha-Mazzer Formation. Algeria

Barycrinidae indeterminate Webster et al., 2011, p. 40, Fig. 13, nos. i-l.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

**BARYCRINUS** Wachsmuth *in* Meek and Worthen, 1868. \**Cyathocrinus spurius* Hall, 1858.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Barycrinidae  
Wachsmuth *in* Meek and Worthen, 1868b, p. 338. Meek, 1874, p. 371. Zittel, 1880, p. 343, 352. Wachsmuth and Springer, 1880 (1879), p. 99 (322). Wachsmuth and Springer, 1886, p. 224 (148). Miller, S. A., 1889, p. 22. Zittel, 1895, p. 136. Koken, 1896, p. 281. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 157. Grabau and Shimer, 1910, p. 507. Springer *in* Zittel, 1913, p. 218. Bassler, 1938, p. 50. Bassler and Moodey, 1943, p. 316. Moore and Laudon, 1943b, p. 51, Figs. 1, 4. Moore and Laudon, 1944, p. 154. Cuénot, 1948, p. 33, Fig. 41, no. 1. Ubaghs, 1953, p. 750. Webster, 1973, p. 62. Meyer and Lane, 1976, p. 479, Fig. 1. Webster, 1977, p. 46. Lane and Moore *in* Moore and Teichert, 1978, p. T582. Ausich, Kammer, and Lane, 1979, p. 1189, Figs. 6C, no.

i; 7A, no. b. Lane and Dubar, 1983, p. 120. Kammer, Ausich, and Lane, 1983, p. 47, Figs. 8, no. b; 14, no. C, item i. Kammer, 1984, p. 125. McIntosh, 1984, p. 1276. Webster, 1986, p. 74. Webster, 1988, p. 42. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 10, no. E. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 29. Kammer and Ausich, 1996, p. 838. Gahn and Kammer, 2002, p. 125. Donovan and Lewis, 2003, p. 2, Pl. 3, fig. 2.

**POTTSICRINUS** Jillson, 1960, p. 37. \**P. quinstilus* Jillson, 1960. Webster, 1973, p. 223. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T582.

Named, currently recognized species based on cups or crowns: 19 Mississippian species, 1 Tournaisian, 18 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian). United States  
Mississippian, Viséan. United Kingdom, Scotland

*Barycrinus angulatus* (Meek and Worthen, 1860) = *Barycrinus stellatus*

*Barycrinus asperrimus* Springer 1911 = *Cyathocrinites asperrimus*

*Barycrinus asteriscus* Van Sant *in* Van Sant and Lane, 1964 = *Barycrinus stellatus*

*Barycrinus benedicti* (Miller, 1891). Kammer and Ausich, 1996, p. 849, Figs. 4.5-4.6  
*nomen dubium*.

*Cyathocrinites benedicti* (Miller, 1891). Bassler and Moodey, 1943, p. 388. Van Sant *in* Van Sant and Lane, 1964, p. 79. Webster, 1973, p. 95. Kammer and Ausich, 1996, p. 849.

*Cyathocrinus benedicti* Miller, S. A., 1891c (adv. pub.) . Miller, S. A., 1892a, p. 676. Miller, S. A., 1892b, p. 658, Pl. 9, fig. 7. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 388. Kammer and Ausich, 1996, p. 849.

Mississippian, Viséan (probably Osagean), Keokuk Limestone. United States, exact locality in question

*Barycrinus blairi* Miller, S. A., 1891 = *Barycrinus rhombiferus*

*Barycrinus boonvillensis* Miller, S. A., 1891 = *Barycrinus rhombiferus*

*Barycrinus bullatus* (Hall, 1858) = *Barycrinus stellatus*

*Barycrinus cornutus* (Owen and Shumard, 1852) = *Costalocrinus cornutus*

*Barycrinus crassibrachiatus* (Hall, 1859). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 848, Figs. 3.7-3.13. Gahn and Kammer, 2002, p. 125.

*Cyathocrinus crassibrachiatus* Hall, 1859c, p. 60. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 848.

*Crassibrachiatus* (Hall, 1859). Shumard, 1868, p. 360.

*Barycrinus princeps* Miller and Gurley, 1890, p. 52, Pl. 9, figs. 2-3. Miller and Gurley, 1891, p. 368, Pl. 9, figs. 2-3. Miller, S. A., 1892a, p. 674, Figs. 1212-1213. Miller, S. A., 1892b, p. 674, Figs. 1212-1213. Weller, S., 1989c, p. 120. Bassler and Moodey, 1943, p. 318. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 15. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 26. Van Sant *in* Van Sant and Lane, 1964, p. 77, Pl. 1, fig. 14. Masutomi and Hamada, 1966, 54, Pl. 27, fig. 2. Webster, 1973, p. 63. Kammer, 1985b, p. 558, Fig. 2, no. 4. Kammer and Ausich, 1987, p. 384, Fig. 3, nos. G-H. Webster, 1988, p. 42. Webster, 1993, p. 29. Kammer and Ausich, 1996, p. 848.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Keokuk Limestone; Edwardsville Formation; Spergen Limestone. United States, Iowa, Illinois, Indiana

*Barycrinus elrodi* Miller and Gurley, 1896 = *Barycrinus rhombiferus*

*Barycrinus expansus* Miller and Gurley, 1894b, p. 41, Pl. 4, fig. 2. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317.

Mississippian, Viséan (Osagean), Fort Payne Chert, Keokuk Limestone. United States, Tennessee, Indiana

*Barycrinus formosus* Miller and Gurley, 1893 = *Barycrinus rhombiferus*

- Barycrinus geometricus* Meek and Worthen, 1873, p. 485, Pl. 12, fig. 3. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 849, *nomen dubium*.
- Cyathocrinus?* (sp. undetermined). Meek and Worthen, 1868c, p. 518, Pl. 20, figs. 5a-5c. Weller, S., 1898c, p. 119. Kammer and Ausich, 1996, p. 849.
- ?*Barycrinus geometricus* Meek and Worthen, 1873. Kammer and Ausich, 1996, p. 849.
- Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois
- ?*Barycrinus geometricus* Meek and Worthen, 1873 = *Barycrinus geometricus*
- Barycrinus granulatus* Rowley, R. R., 1906b, p. 30, Pl. 6, figs. 13, 20. Bassler and Moodey, 1943, p. 317.
- Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Kentucky
- Barycrinus herculeus* Wachsmuth and Springer, 1897 = *Barycrinus hoveyi* = *B. rhombiferus*
- Barycrinus hoveyi* (Hall, 1861) = *Barycrinus rhombiferus*
- Barycrinus hoveyi* var. *herculeus* Meek and Worthen, 1868 = *Barycrinus hoveyi* = *B. rhombiferus*
- Barycrinus kelloggi* (White, 1862) = *Cyathocrinites kelloggi*
- Barycrinus latus* (Hall, 1861). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1892a, p. 674. Bassler and Moodey, 1943, p. 318.
- Cyathocrinus latus* Hall, 1861a, p. 292. Hall, 1861b, p. 5. Hall, 1861c, p. 292. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 236. Miller, S. A., 1892a, p. 676. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 318.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois, Iowa
- Barycrinus lyoni* (Hall, 1861) = *Pellecrinus hexadactylus*
- Barycrinus magister* (Hall, 1858). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 844, Figs. 4.7-4.15. Gahn and Kammer, 2002, p. 125.
- Cyathocrinus magister* Hall, 1858c, p. 628, Pl. 18, figs. 2a-2b. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 844.
- Barycrinus magnificus* Meek and Worthen, 1868b, p. 340. Meek and Worthen, 1873, p. 483, Pl. 12, fig. 2. Miller, S. A., 1889, p. 227. Keyes, 1894a, p. 210, Pl. 26, fig. 4. Weller, S., 1898c, p. 120. Grabau and Shimer, 1910, p. 508, Fig. 1822. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 845.
- Cyathocrinus solidus* Hall, 1861a, p. 293. Hall, 1861b, p. 5. Hall, 1861c, p. 293. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 845.

*Barycrinus solidus* (Hall, 1861). Hall, 1868, p. 340. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 845.

Mississippian, Viséan (Osagean), upper part of the Burlington Limestone; Keokuk Limestone. United States, Iowa, Missouri, Illinois

*Barycrinus magnificus* Meek and Worthen, 1868 = *Barycrinus magister*

*Barycrinus mammatus* Meek and Worthen, 1873 = *Barycrinus spurius*

*Barycrinus meekanus* (Shumard, 1855), Keyes, 1918 = *Poteroicrinites meekanus*

*Barycrinus neglectus* Miller and Gurley, 1896 = *Armenocrinus neglectus*

*Barycrinus? neglectus* Miller and Gurley, 1896 = *Armenocrinus neglectus*

*Barycrinus pentagonus* Worthen in Meek and Worthen, 1873 = *Barycrinus rhombiferus*

*Barycrinus pentasphaericus* (Troost in Wood, 1909), p. 84, Pl. 5, figs. 7-8. Bassler and Moodey, 1943, p. 318. Newell, 2005, p. 31, Fig. 3, nos. 7-8 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 486.

*Cyathocrinites pentasphaericus* Troost in Wood, 1909, p. 84. Bassler and Moodey, 1943, p. 318.

Mississippian, Viséan (Osagean), Fort Payne Chert. United States, Tennessee

*Barycrinus princeps* Miller and Gurley, 1890 = *Barycrinus crassibrachiatus*

*Barycrinus protuberans* (Hall, 1858) = *Barycrinus spurius*

*Barycrinus punctus* Feldman, 1989b, p. 909, Figs. 4, nos. 11-12; 6. Webster, 1993, p. 29. Kammer and Ausich, 1996, p. 851.

Mississippian, Viséan (Meramecian), upper part of Warsaw Formation; Salem Formation, Somerset Shale Member. United States, Missouri, Kentucky

*Barycrinus quinstilus* (Jillson, 1960). New combination

*Pottsicrinus quinstilus* Jillson, 1960, p. 37, Unnum. Fig. title page. Jillson, 1965, p. 52, Unnum. Fig. Webster, 1973, p. 223 (basal circlet?). Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T582.

Mississippian, Viséan (Meramecian), Warsaw Limestone. United States, Kentucky

*Barycrinus rhombiferus* (Owen and Shumard, p. 1852). Wachsmuth and Springer, 1880 (1879), p. 103 (326). Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 839, Figs. 2.1-2.24, 3.1-3.6, 5.1-5.3. Ausich et al. in Hess et al., 1999, p. 25, Fig. 39. Kammer, 2001, p. 383, Figs. 1.4-1.5. Gahn and Kammer, 2002, p. 25, Figs. 1.4-1.6. Ausich, 2009a, p. 486, suppl., p. 7.

*Poteroicrinus rhombiferus* Owen and Shumard, 1852a, p. 89, Pl. 11, figs. 2a-2c.

Owen and Shumard, 1852b, p. 595, Pl. 5, figs. 2a-2c. Miller, S. A., 1889, p. 275.

- Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 839.
- Poteriocrinus (Scaphiocrinus?) rhombiferus* Owen and Shumard, 1852. Shumard, 1868, p. 393.
- Poteriocrinites rhombiferus* (Owen and Shumard, 1852). Lesley, 1889, p. 741, Figs. 2a-2c.
- Barycrinus blairi* Miller, S. A., 1891b, p. 25, Pl. 3, figs. 11-13. Miller, S. A., 1892a, p. 674. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 316. Kammer and Ausich, 1996, p. 840.
- Barycrinus boonvillensis* Miller, S. A., 1891b, p. 24, Pl. 3, fig. 5. Miller, S. A., 1892a, p. 674. Miller, S. A., 1897, p. 735, Fig. 1301. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 316. Kammer and Ausich, 1996, p. 840.
- Barycrinus elrodi* Miller and Gurley, 1896a, p. 38, Pl. 2, figs. 25-27. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 840.
- Barycrinus formosus* Miller and Gurley, 1893, p. 33, Pl. 3, fig. 6. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 840.
- Cyathocrinus hoveyi* Hall, 1861a, p. 293. Hall, 1861b, p. 5. Hall, 1861c, p. 293. Shumard, 1868, p. 362. Hall, 1872c, Pl. 5, fig. 11. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 839.
- Barycrinus hoveyi* (Hall, 1861). Meek and Worthen, 1873, p. 486, Pl. 13, fig. 1. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 120. Whitfield, 1904, p. 471, Pls. 12-13. Clarke, 1909b, p. 165, Pl. 7, figs. 1-2. Grabau and Shimer, 1910, p. 508, Fig. 1821. Clarke, 1921b, p. 79, Fig. 66. Bassler and Moodey, 1943, p. 317. Van Sant in Van Sant and Lane, 1964, p. 74, Pls. 1, fig. 16; 2, figs. 5, 7-9; Figs. 21, no. 2; 22; 28; 30. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 63. Webster, 1977, p. 46. Ubaghs in Moore and Teichert, 1978, p. T169, Figs. 140, no. 5; 143, no. 6; 160, no. 1. Wolf, 1979, p. 151, Fig. 2, no. b. McIntosh, 1984, p. 1276, Fig. 6, no. G. Webster, 1986, p. 74. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 839.
- Scaphiocrinus hoveyi* (Hall, 1861). Weller, S., 1898c, p. 120.
- Barycrinus hoveyi* var. *herculeus* Meek and Worthen, 1868b, p. 341. Meek and Worthen, 1873, p. 485, Pl. 13, fig. 2. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 840.
- Barycrinus herculeus* (Meek and Worthen, 1868). Wachsmuth and Springer, 1880 (1879), p. 102. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 317. Van Sant in Van Sant and Lane, 1964, p. 74. Webster, 1973, p. 63. Kammer and Ausich, 1996, p. 840.
- Cyathocrinites corrugatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Wood, 1909, p. 85. Bassler and Moodey, 1943, p. 317.
- Cyathocrinus corrugatus* (Troost, 1850). Miller, S. A., 1889, p. 235. Kammer and Ausich, 1996, p. 840.
- Barycrinus pentagonus* Worthen in Meek and Worthen, 1873, p. 487, Pl. 15, fig. 3. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 840.



- Cyathocrinus sculptilis* Hall, 1859a, p. 59. Meek and Worthen, 1866a, p. 178, Pl. 15, figs. 2a-2b. Shumard, 1868, p. 364. Meek and Worthen, 1873, p. 401, Pl. 4, fig. 5. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 839.
- Barycrinus sculptilis* (Hall, 1859). Wachsmuth and Springer, 1880 (1879), p. 103 (325). Miller, S. A., 1889, p. 227. Whitfield, 1893b, p. 29, Pl. 3, fig. 12. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 121. Grabau and Shimer, 1910, p. 507. Bassler and Moodey, 1943, p. 319. Kammer, 1984, p. 125, Fig. 3, nos. FF-11. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 839.
- Barycrinus striatus* Worthen, 1875, p. 515, Pl. 29, fig. 5. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 840.
- ?*Barycrinus striatus* Worthen, 1875. Kammer and Ausich, 1996, p. 840.
- Cyathocrinus thomae* Hall, 1859a, p. 61, Pl. 1, figs. 8-9. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 839.
- Barycrinus thomae* (Hall, 1859). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 839.
- Cyathocrinus wachsmuthi* Meek and Worthen, 1868c, p. 482, Pl. 16, fig. 5; Unnum. Fig. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 840.
- Barycrinus wachsmuthi* (Meek and Worthen, 1868). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 18. Webster, 1973, p. 63. Kammer and Ausich, 1996, p. 840.
- Barycrinus washingtonensis* Miller and Gurley, 1895a, p. 49, Pl. 4, figs. 18-19. Miller, S. A., 1897, p. 735, Fig. 1302. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 320. Kammer and Ausich, 1996, p. 840.
- Mississippian, Viséan (Osagean), Borden Group, Edwardsville Formation; Keokuk Limestone; Warsaw Limestone; Spergen Limestone; Burlington-Keokuk transition beds; lower and upper parts of Burlington Limestone; Fort Payne Chert; New Providence Shale. United States, Iowa, Illinois, Missouri, Indiana, Tennessee, Kentucky
- Barycrinus ribblesdalensis* (Wright, 1942). Wright, J., 1950, p. 1, Pl. 1, figs. 4-10. Webster, 1973, p. 63. Donovan and Lewis, 2003, p. 2, Pl. 3, fig. 5.
- Poteriocrinus ribblesdalensis* Wright, 1942, p. 273, Pl. 9, figs. 7-9. Wright, J., 1950, p. 1. Webster, 1973, p. 63.
- Mississippian, Viséan. United Kingdom, Scotland
- Barycrinus sampsoni* Miller and Gurley, 1896c, p. 81, Pl. 5, figs. 1-3. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 318.
- Gahn  
and Kammer, 2002, p. 127, Figs. 1.1-1.3.
- Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri Limestone. United States, Missouri

*Barycrinus sculptilis* (Hall, 1859) = *Barycrinus rhombiferus*

*Barycrinus scitulus* (Meek and Worthen, 1860). Gahn and Kammer, 2002, p. 126, Figs. 1.7-1.14.

*Cyathocrinus scitulus* Meek and Worthen, 1860, p. 393. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 395. Gahn and Kammer, 2002, p. 126.

*Cyathocrinites scitulus* (Meek and Worthen, 1860). Bassler and Moodey, 1943, p. 395.

Mississippian, Viséan (Osagean), lower part of the Burlington Limestone. United States, Iowa

*Barycrinus solidus* (Hall, 1861) = *Barycrinus magister*

*Barycrinus spectabilis* Meek and Worthen, 1870b, p. 23. Miller, S. A., 1889, p. 227.

Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 849. Gahn and Kammer, 2002, p. 127, Fig. 1.15. Kammer and Ausich, 2006, p. 240, Fig. 2, no. D.

*Cyathocrinus (Barycrinus) spectabilis* Meek and Worthen, 1870. Meek and Worthen, 1873, p. 530, Pl. 20, fig. 8. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 849.

Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Illinois

\**Barycrinus spurius* (Hall, 1858). Worthen, 1890, p. 99, Pl. 14, fig. 4. Miller, S. A., 1889,

p. 227. Weller, S., 1898c, p. 121. Bassler and Moodey, 1943, p. 319. Laudon, 1973b, p. 31, Fig. 1. Webster, 1977, p. 46. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Figs. 372, no. 2; 374, nos. 1a-1b. Webster, 1986, p. 74. Kammer and Ausich, 1996, p. 838, Figs. 1.1-1.14. Gahn and Kammer, 2002, p. 125. Lee, Ausich, and Kammer, 2005, p. 348. Webster and Maples, 2008, p. 202,

Fig. 10.1, no. 4.

*Cyathocrinus spurius* Hall, 1858c, p. 625, Pl. 18, figs. 7-8. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 121. Bassler, 1938, p. 50. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 838.

*Barycrinus mammatus* Worthen *in* Meek and Worthen, 1873, p. 486, Pl. 15, fig. 4. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 839.

*Cyathocrinus protuberans* Hall, 1858c, p. 626, Pl. 18, fig. 9; Fig. 99. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 317. Webster, 1973, p. 63. Kammer and Ausich, 1996, p. 839.

*Barycrinus protuberans* (Hall, 1858). Miller, S. A., 1889, p. 227. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 15. Webster, 1973, p. 63.

*Cyathocrinus tumidus* Hall, 1858c, p. 624, Pl. 18, figs. 1b-1c. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 320. Webster, 1973, p. 96. Kammer and Ausich, 1996, p. 838.

*Cyathocrinites tumidus* (Hall, 1858). Moore and Laudon, 1944, p. 155, Pl. 57, fig. 21. Webster, 1973, p. 96.

*Barycrinus tumidus* (Hall, 1858). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 227. Worthen, 1890, p. 100, Pl. 14, fig. 6. Weller, S., 1898c, p. 122. Springer, 1911b, p. 25, Pl. 4, fig. 14. Bassler and Moodey, 1943, p. 320. Van Sant in Van Sant and Lane, 1964, p. 77. Webster, 1973, p. 63. Kammer, 1984, p. 125, Fig. 3, nos. AA-BB. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 838.

Mississippian, Viséan (late Osagean - early Meramecian), Keokuk Limestone; lower part of Warsaw Formation; New Providence Shale; Edwardsville Formation; Harrodsburg Limestone; Montrose Chert Member of Keokuk Limestone; Nada Member, Borden Formation. United States, Iowa, Illinois, Missouri, Indiana

*Barycrinus stellatus* (Troost, 1850). Wachsmuth and Springer, 1880 (1879), p. 103 (326). Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 122. Wood, 1909, p. 84, Pl. 8, figs. 6-8. Bassler and Moodey, 1943, p. 319. McIntosh, 1984, p. 1276, Fig. 6, no. F. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 845, Figs. 5.4-5.23. Ausich in Hess et al., 1999 p. 153, Fig. 164. Hollis and Ausich, 2009, p. 142, Fig. 5, nos. A-B. Ausich, 2009a, p. 486, suppl., p. 8.

*Cyathocrinites stellatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 845.

*Cyathocrinus stellatus* (Troost, 1850). Hall, 1858c, p. 623, Pl. 16, figs. 3, 8. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 845.

*Cyathocrinus angulatus* Meek and Worthen, 1860, p. 393. Meek and Worthen, 1866a, p. 234, Pl. 17, fig. 4. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 118. Bassler and Moodey, 1943, p. 316. Kammer and Ausich, 1996, p. 845.

*Barycrinus angulatus* (Meek and Worthen, 1860). Meek and Worthen, 1868b, p. 340. Weller, S., 1898c, p. 118. Bassler and Moodey, 1943, p. 316. Kammer and Ausich, 1996, p. 845.

*Barycrinus asteriscus* Van Sant in Van Sant and Lane, 1964, p. 73, Pl. 1, figs. 3-5, 9, 13; Fig. 29. Webster, 1973, p. 62. Ubaghs in Moore and Teichert, 1978, p. T144, Fig. 118, no. 1. Ausich, 1983a, p. 31, Figs. 1, 6. Webster, 1986, p. 74. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 845.

*Cyathocrinus bullatus* Hall, 1858c, p. 624, Pl. 18, fig. 1. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943, p. 316. Kammer and Ausich, 1996, p. 845.

*Barycrinus bullatus* (Hall, 1858). Meek and Worthen, 1868b, p. 340. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 119. Steinmann, 1903, p. 181, Fig. 252, no. C. Bassler and Moodey, 1943, p. 317. Wilson, 1948, p. 166, Pl. 29, figs. 1-3. Webster, 1977, p. 46. Kammer and Ausich, 1996, p. 845.

*Cyathocrinus quinquelobus* Meek and Worthen, 1865b, p. 150. Meek and Worthen, 1868, p. 519, Pl. 20, figs. 6a-6b. Miller, S. A., 1889, p. 236, Fig. 276. Weller, S.,

- 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 845.  
Mississippian, Viséan (Osagean), Fort Payne Chert; Warsaw Limestone; Keokuk Limestone; Borden Formation, New Providence Shale Member; Edwardsville Formation. United States, Kentucky, Tennessee, Missouri, Illinois, Indiana
- Barycrinus stellifer* Miller, S. A., 1892a, p. 674. Miller, S. A., 1892c, p. 46, Pl. 8, figs. 6-9.  
Miller, S. A., 1894, p. 300, Pl. 8, figs. 6-9. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 319. Van Sant *in* Van Sant and Lane, 1964, p. 77. Webster, 1973, p. 63.  
Mississippian, Viséan (Osagean), Keokuk Limestone; Warsaw Formation. United States, Indiana, Missouri
- "Barycrinus" stellifer* Miller, 1892. Kammer and Ausich, 1996, p. 849, Figs. 4.16-4.18. Mississippian, Viséan, Harrodsburg Limestone. United States, Indiana
- Barycrinus stenobrachium* Ausich and Lane, 1982 = *Barycrinus? stenobrachium*
- Barycrinus? stenobrachium* Ausich and Lane, 1982. Kammer and Ausich, 1996, p. 851.  
*Barycrinus stenobrachium* Ausich and Lane, 1982b, p. 1348, Pl. 1, figs. 16-17, 19, 21. Webster, 1988, p. 42. Kammer and Ausich, 1996, p. 851.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Barycrinus striatus* Worthen, 1875 = *Barycrinus rhombiferus*
- ?*Barycrinus striatus* Worthen, 1875 = *Barycrinus rhombiferus*
- Barycrinus subtumidus* (Meek and Worthen, 1865) = *Cyathocrinites kelloggi*
- Barycrinus thomae* (Hall, 1859) = *Barycrinus rhombiferus*
- Barycrinus tumidus* (Hall, 1858) = \**Barycrinus spurius*
- Barycrinus wachsmuthi* (Meek and Worthen, 1868) = *Barycrinus rhombiferus*
- Barycrinus washingtonensis* Miller and Gurley, 1895a = *Barycrinus rhombiferus*
- Barycrinus* juvenile Hollis and Ausich, 2009, p. 142, fig. 7. (diagramatic)
- Barycrinus* radial plate Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. G. (diagramatic)
- Barycrinus* sp. Spec. 1 Lane and Dubar, 1983, p. 121, Fig. 3, no. L. Webster, 1988, p. 42.  
Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky

- Barycrinus* sp. Spec. 2 Lane and Dubar, 1983, p. 121, Fig. 3, no. D. Webster, 1988, p. 43.  
Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky
- Barycrinus* sp. Spec. 3 Lane and Dubar, 1983, p. 121, Fig. 3, no. G. Webster, 1988, p. 43.  
Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky
- Barycrinus* sp. Kammer, 1984 = *Pellecrinus hexadactylus*
- Barycrinus* spp.  
Weller, 1909, p. 279, Pl. 11, fig. 22.  
Mississippian, Tournaisian (Kinderhookian), Fern Glen Formation. United States, Missouri
- Ubaghs, 1953, p. 750, Fig. 108. Yakovlev, 1946b, p. 66, Fig. 93. Webster, 1973, p. 63.  
Mississippian  
Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 374, nos. 1c-1d.  
Webster, 1986, p. 74.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa  
Miller et al., 2008, p. 265, Fig. 12.10, no. 24.  
Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri  
Greb et al., 2008, p. 18, Figs. 1, nos. b, d; 14.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky  
Stinchcomb, 2008, p. 127, Fig. 07-057.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana, Sugar Creek
- Basal attachment plate Guensburg, 1984, p. 70, Pl. 14, fig. 22. Webster, 1988, p. 43.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Basal circlets in camerate crinoids Broadhead, 1988, p. 120, Figs. 5-6 (diagramatic).
- Basal crinoid feeding appendage Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. B. (diagramatic)
- Basal-cup of crinoid Etheridge *in* Jack and Etheridge, 1892, p. 208, Pl. 44, fig. 7 [labeled as crinoid (allied to *Stemmatocrinus*) on plate explanation].  
Pennsylvanian, Westphalian, Neerkol Formation. Australia, Queensland
- Basal einer Inadunaten Sieverts-Doreck, 1960, Pl. 2, fig. 24 (probably an infrabasal, GDW).  
Permian, Zechstein. Germany

- Basal plate indeterminate Webster and Waters, 2009, p. 283, Fig. 5, no. E.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
Autonomous Region
- Basal plate of a crinoid Devonshire, 1954, Pl. 2, fig. 21. Devonshire, 1955, Pl. 2, fig. 21.  
Webster, 1977, p. 178 (infrabasal circlet).  
Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States,  
Oklahoma
- Base de Flexibilia Termier, G. and Termier, H., 1950, p. 218, Pl. 217, figs. 3-4.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Mississippian, late Viséan. Algeria
- Base de *Platycrinus* sp. Termier, G., and Termier, H., p. 238, 1950, Pl. 227, figs. 22-24.  
(not a *Platycrinites*, GDW).  
Pennsylvanian, Westphalian. Algeria
- Base indéterminé Termier, G. and Termier, H., 1950, p. 208, Pl. 212, figs. 12-13.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Pennsylvanian, Westphalian. Algeria
- Base indéterminé Termier, G. and Termier, H., 1950, p. 230, Pl. 223, figs. 22-24.  
Webster, 1973, p. 272 (infrabasal? circlet).  
Mississippian, Viséan. Algeria
- Base indéterminé Termier, G. and Termier, H., 1950, p. 236, Pl. 226, figs. 11-12.  
Webster, 1973, p. 271 (infrabasal? circlet).  
Pennsylvanian, Westphalian; Algeria
- Basis von ?*Acanthocrinus* (basal plate) Hauser, 2007, p. 80, Fig. 5.  
Devonian, Givetian, Ahbach Formation. Germany
- BASLEOCRINUS** Wanner, 1916. \**B. pocillum* Wanner, 1916.  
Subc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Basleocrinidae  
Wanner, 1916, p. 214. Wanner, 1924, p. 180. Wanner, 1937, p. 194. Bassler, 1938,  
p. 51. Bassler and Moodey, 1943, p. 320. Moore and Laudon, 1943b, p. 55.  
Branson, C. C., 1948, p. 180. Arendt and Hecker, 1964, p. 92. Webster, 1973, p.  
63. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T678. Arendt,  
1981, p. 17. Webster, 1986, p. 74. Webster, 1988, p. 43.  
Named, currently recognized species based on cups or crowns: 8 Permian species,  
1 Artinskian, 1 Wordian, 6 series uncertain  
Permian, series uncertain. Timor  
Permian, Wordian. Sicily  
Permian, Artinskian. Russia, Ural Mtns
- Basleocrinus conicus* Wanner, 1916, p. 216. Wanner, 1937, p. 195, Pl. 13, figs. 4, 5;  
Fig. 68. Marez Oyens, 1940a, p. 337, Pl. 4, fig. 5. Bassler and Moodey, 1943, p.

320. Branson, 1948, p. 180.  
Permian, series uncertain. Timor

*Basleocrinus cryptobasalis* Yakovlev, 1934, p. 281, Pl. 19, fig. 14. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180.  
Permian, Wordian, Sosio Beds. Sicily

*Basleocrinus krasnooufimskensis* Yakovlev, 1937a, p. 8, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180. Arendt, 1981, p. 19. Webster, 1988, p. 43.  
Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

*Basleocrinus? kukaensis* Wanner, 1916 = *Petrocrinus kukaensis*

*Basleocrinus obliquus* Wanner, 1924, p. 264, Pls. 16, figs. 25-28; 17, figs. 6-7. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180. Arendt, 1981, p. 18, Fig. 5, no. g. Webster, 1988, p. 43.  
Permian, series uncertain. Timor

\**Basleocrinus pocillum* Wanner, 1916, p. 214, Pl. 109 (14), fig. 1. Wanner, 1924, p. 262, Pl. 17, figs. 8-9. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 5. Arendt, 1981, p. 18, Fig. 5, nos. a- v. Webster, 1986, p. 75. Webster, 1988, p. 43.  
Permian, series uncertain. Timor

*Basleocrinus pusillus* Wanner, 1924, p. 263, Pl. 16, figs. 29-30. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180.  
Permian, series uncertain. Timor

*Basleocrinus scrobiculatus* Wanner, 1924 = *Graphiocrinus scrobiculatus* = *Laccocrinus scrobiculatus*

*Basleocrinus striategranulatus* Wanner, 1937, p. 196, Pl. 13, figs. 6-9. Marez Oyens, 1940a, p. 339, Pl. 4, fig. 6. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 180. Wanner, 1949a, p. 40. Webster, 1973, p. 63.  
Permian, series uncertain. Timor

*Basleocrinus turbinatus* Wanner, 1924, p. 266, Pl. 16, figs. 22-24. Bassler and Moodey, 1943, p. 321. Branson, C. C., 1948, p. 180.  
Permian, series uncertain. Timor

**BASOTHECA** Termier and Termier, 1974. *Nomen vetitum*.

Termier, H. and Termier, G., 1974, p. 34, unfig. Jeffords *in* Moore and Teichert, 1978, p. T937. Webster, 1986, p. 75  
Devonian, Pragian. Morocco

**BASSOCRINUS** Webster et al., 2009a. \**Bassocrinus abyssus* Webster et al., 2009a.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Webster et al., 2009a, p. 50.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Moscovian species

Pennsylvanian, Moscovian. China, Xinjiang-Uygar Autonomous Region

\**Bassocrinus abyssus* Webster et al., 2009a, p. 50, Fig. 2, nos. O-Q.

*Graphiocrinus* sp. Lane et al., 1996, p. 126, fig. 6.10 only. Webster et al., 2009a, p.  
50.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous  
Region

**BATHERICRINUS** Jaekel, 1918. \**Botryocrinus ramosus* Bather, 1891.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F.  
Mastigocrinidae

Jaekel, 1918, p. 58. Schmidt, W. E., 1934, p. 92. Bassler, 1938, p. 51. Bassler and  
Moodey, 1943, p. 321. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 63.  
Moore and Lane *in* Moore and Teichert, 1978, p. T621. Webster, 1986, p. 75.  
Donovan et al., 2010, p. 95.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Wenlockian species

Silurian, Wenlockian. United Kingdom

*Bathericrinus ericius* (Schmidt, 1934) = *Dictenocrinus ericius*

*Bathericrinus hystrix* (Schmidt, 1934) = *Dictenocrinus hystrix*

\**Bathericrinus ramosus* (Bather, 1891). Jaekel, 1918, p. 58. Bassler and Moodey,  
1943, p. 321. Moore and Lane *in* Moore and Teichert, 1978, p. T621, Fig. 404,  
nos. 4a-4b. Webster, 1986, p. 75. Donovan et al., 2007, p. 46, Fig. 11. Donovan  
et al., 2010, p. 95, Pl. 25, fig. 1.

*Botryocrinus ramosus* Bather, 1891b, p. 394, Pl. 13, figs. 1-4. Haarmann, 1921,  
p. 8, Unnum. Fig. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 321.  
Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Bathericrinus semipinnulatus* (Schmidt, 1934) = *Dictenocrinus semipinnulatus*

*Bathericrinus speciosus* (Schmidt, 1934) = *Dictenocrinus speciosus*

**BATHRONOCRINUS** Strimple, 1962. \**B. turioformis* Strimple, 1962.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Laudonocrinidae

Strimple, 1962e, p. 37. Strimple and Watkins, 1969, p. 203. Strimple and Moore,  
1971a, p. 19. Webster, 1973, p. 63. Pabian and Strimple, 1974a, p. 281. Pabian  
and Strimple, 1974b, p. 11. Webster, 1977, p. 47. Moore, Strimple, and Lane *in*  
Moore and Teichert, 1978, p. T665. Pabian and Strimple, 1980a, p. 168. Pabian



- and Strimple, 1985, p. 64. Webster, 1986, p. 75. Webster, 1988, p. 43. Pabian and Rushlau, 2002, p. 30.  
 Early Permian, Artinskian. Russia  
 Named, currently recognized species based on cups or crowns: 4 Pennsylvanian species. 4 Pennsylvanian, 1 Desmoinesian, 2 Missourian, 1 Virgillian  
 Pennsylvanian, Desmoinesian - Virgilian. United States
- Bathronocrinus deweyensis* (Strimple, 1939). Strimple, 1962e, p. 37. Webster, 1973, p. 63. Pabian and Rushlau, 2002, p. 30.  
*Hydreionocrinus deweyensis* Strimple, 1939, p. 15 (375), Pl. 2, figs. 13, 17.  
 Bassler and Moodey, 1943, p. 516. Strimple, 1962e, p. 37. Webster, 1973, p. 63.  
 Pennsylvanian, Missourian, Dewey Limestone. United States, Oklahoma
- Bathronocrinus madisonensis* Pabian and Strimple, 1980a, p. 168, Figs. 7, nos. A-C; 8, nos. M-O. Webster, 1986, p. 75. Pabian and Rushlau, 2002, p. 30.  
 Pennsylvanian, Missourian, Argentine Limestone. United States, Nebraska
- Bathronocrinus magnospinosus* (Arendt, 1968) = \**Hypermorphocrinus magnospinosus*
- \**Bathronocrinus turioformis* Strimple, 1962e, p. 38, Pl. 1, figs. 15-18. Webster, 1973, p. 63. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T665, Fig. 435, no. 3. Webster, 1986, p. 75.  
 Pennsylvanian, Desmoinesian, Oologah Formation. United States, Oklahoma
- Bathronocrinus* sp. cf. *B. turioformis* Strimple, 1962. Pabian and Strimple, 1974b, p. 11, Fig. 5, nos. 1-3. Webster, 1986, p. 76.  
 Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma
- Bathronocrinus wolfriverensis* Pabian and Strimple, 1974a, p. 281, Pl. 35, figs. 1-4. Webster, 1986, p. 76. Pabian and Rushlau, 2002, p. 30, Fig. 9, nos. 1-3.  
 Pennsylvanian, Virgilian, Topeka Formation, Wolf River Limestone; Oread Formation, Plattsmouth Limestone Member. United States, Nebraska
- Bathronocrinus* sp.  
 Pabian and Strimple, 1978a, p. 53, Fig. 6, nos. K-M. Webster, 1986, p. 76.  
 Pennsylvanian, Missourian, Graford Formation, Wolf Mountain Shale. United States, Texas  
 Pabian and Strimple, 1985, p. 64, Fig. 26, nos. c-e. Webster, 1988, p. 43.  
 Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas
- ?*Bathronocrinus* sp. Lane et al., 1996 = Pirasocrinid indet.
- Batocrinidae-Actinocrinidae Gen. et spec. indet. 1 Wanner, 1916 = Unknown genus
- Batocrinidae-Actinocrinidae Gen. et spec. indet. 2 Wanner, 1916 = Unknown genus

Batocrinidae-Actinocrinidae Gen. et spec. indet. 3 Wanner, 1916, p. 65, Pl. 97(2), fig. 10 (infrabasal or basal circlet).

Permian: Timor, Basleo

Batocrinidae indet. Brower, 1970, p. 517. Webster, 1977, p. 47.

Mississippian, Osagean, Redwall Limestone, Mooney Falls Member. United States, Arizona

**BATOCRINUS** Casseday, 1854. \**B. icosidactylus* Casseday, 1854.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Roemer, C. F. *in* Bronn and Roemer, 1851, p. 247 (nomen nudum). Casseday, 1854, p. 237. Pictet, 1857, p. 324. Dujardin and Hupé, 1862, p. 142. Shumard, 1868, p. 356. Meek and Worthen, 1873, p. 364. Zittel, 1880, p. 344, 370. Wachsmuth and Springer, 1881, p. 162 (336). Miller, S. A., 1889, p. 227. Steinmann and Döderlein, 1890, p. 157. Miller, S. A., 1892c, p. 23. Casseday *in* Miller, S. A., 1892c, p. 24. Miller, S. A., 1894, p. 277. Zittel, 1895, p. 130. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 366. Bather *in* Lankester, 1900, p. 167. Wachsmuth *in* Zittel, 1900, p. 142. Delage and Herouard, 1903, p. 384. Steinmann, 1907, p. 199. Grabau and Shimer, 1910, p. 540. Springer *in* Zittel, 1913, p. 195. Schmidt, H., 1929, p. 83. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 321. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 195, Pl. 71, fig. 6. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 740, Fig. 139, no. d. Spreng and Parks, 1953, p. 592, Fig. 1c. Lane, N. G., 1963b, p. 921. Laudon, 1973b, p. 27, Figs. 2-4. Webster, 1973, p. 63. Webster, 1977, p. 47. Ubaghs *in* Moore and Teichert, 1978, p. T129, Fig. 99, no. 5. Lane *in* Moore and Teichert, 1978, p. T467. Haugh, 1978, p. 164, Fig. 11, no. A. Webster, 1986, p. 76. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 43. Feldman, 1989b, p. 903. Baumiller, 1990a, p. 747, Fig. 3. Webster, 1993, p. 29. Ausich and Kammer, 2010a, p. 40.

Named, currently recognized species based on cups or crowns: 8 Mississippian species, 2 Tournaisian, 6 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian - early Chesterian). United States

*Batocrinus abscissus* Rowley and Hare, 1891 = *Dizygocrinus biturbinatus*

*Batocrinus adamsensis* Miller and Gurley, 1896 = *Gongylocrinus adamsensis*

*Batocrinus adultus* (Wachsmuth and Springer, 1881) = *Dizygocrinus biturbinatus* = *D. originarius*

*Batocrinus aequabilis* Meek and Worthen, 1894 = *Batocrinus aequabilis* = *B. subaequalis* = *Abatocrinus aequalis*

*Batocrinus aequalis* (Hall, 1858) = *Abatocrinus aequalis*

*Batocrinus aequibrachiatus* McChesney, 1860 = *Lobocrinus aequibrachiatus* =  
*Uperocrinus aequibrachiatus*

*Batocrinus aequibrachiatus* var. *alatus* (Hall, 1861) = *Uperocrinus aequibrachiatus*  
*asteriscus*

*Batocrinus affinis* Miller and Gurley, 1896 = *Macrocrinus affinis*

*Batocrinus agnatus* Miller, 1891 = *Macrocrinus jucundus* = *M. mundulus*

*Batocrinus albersi* Miller and Gurley, 1896 = *Eutrochocrinus albersi*

*Batocrinus altiusculus* Miller and Gurley, 1894 = *Eutrochocrinus christyi*

*Batocrinus andrewsanus* (McChesney, 1860) = *Azygocrinus andrewsianus* =  
*Abatocrinus andrewsianus*

*Batocrinus approximatus* Miller and Gurley, 1896 = *Macrocrinus approximatus*

*Batocrinus arcula* Miller and Gurley, 1895 = *Batocrinus irregularis*

*Batocrinus argutus* Miller and Gurley, 1896 = *Eretmocrinus argutus*

*Batocrinus asper* Miller and Gurley, 1896 = *Eretmocrinus asper*

*Batocrinus asperatus* Miller and Gurley, 1896 = *Abatocrinus asperatus*

*Batocrinus aspratilis* Miller and Gurley, 1894 = *Batocrinus clypeatus* = *Abatocrinus*  
*clypeatus*

*Batocrinus asteriscus* (Meek and Worthen, 1860) = *Uperocrinus aequibrachiatus*  
*asteriscus*

*Batocrinus attenuatus* (Hall, 1861) = *Eretmocrinus attenuatus* = *Abatocrinus attenuatus*

*Batocrinus basilicus* Miller and Gurley, 1896 = *Eretmocrinus basilicus*

*Batocrinus birmanicus* Reed, 1908 = *Bactrocrinites birmanicus*

*Batocrinus bisbrachiatus* Whitfield, 1893 = *Eutrochocrinus christyi*

*Batocrinus biturbinatus* (Hall, 1858) = *Dizygocrinus biturbinatus*

*Batocrinus blairi* Miller, 1892 = *Eretmocrinus leucosia*

*Batocrinus boonvillensis* Miller, 1891 = *Dizygocrinus originarius adultus* = *D. mediocris*  
= *D. caroli*

*Batocrinus brittsi* Miller, S. A., 1892 = *Uperocrinus brittsi*

*Batocrinus broadheadi* Miller and Gurley, 1895 = *Dizygocrinus mediocris* = *D. caroli*

*Batocrinus bulbosus* Rowley and Hare, 1891 = *Uperocrinus inflatus* = *Grongylocrinus inflatus*

*Batocrinus burketi* Miller and Gurley, 1895 = *Dizygocrinus biturbinatus*

*Batocrinus calvini* Rowley, 1890 = *Abatocrinus calvini*

*Batocrinus calyculoides* Hall, 1859 = *Eretmocrinus calyculus* = *Azygocrinus calvini*

*Batocrinus calyculus* (Hall, 1859). Meek and Worthen, 1868b, p. 351. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 124. Beede, 1906, p. 1247, Pl. 14, figs. 3-3b. Bassler and Moodey, 1943, p. 323. Webster, 1973, p. 64. Feldman, 1989b, p. 905, Fig. 3, no. 13. Webster, 1993, p. 29.

*Actinocrinus calyculus* Hall, 1859a, p. 55, Pl. 1, figs. 1a-1c, Unnum. Fig. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 323.

*Actinocrinus calyculus* var. *hardinensis* Meek and Worthen, 1866b, p. 253. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 323.

*Batocrinus calyculus* var. *hardinensis* (Meek and Worthen, 1866). Miller, S. A., 1889, p. 227.

*Batocrinus irregularis* Rowley, R. R., 1904a, *non* Cassday, 1854. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 64.

Mississippian, Viséan (Meramecian – Chesterian), Salem Limestone, Somerset Shale Member; Spergen Limestone; Ohara Limestone. United States, Kentucky, Indiana

*Batocrinus calyculus* var. *hardinensis* (Meek and Worthen, 1866) = *Batocrinus calyculus*

*Batocrinus cantonensis* Miller and Gurley, 1890 = *Abatocrinus cantonensis*

*Batocrinus caroli* (Hall, 1859) = *Dizygocrinus caroli*

*Batocrinus cassedayanus* Meek and Worthen, 1868 = *Uperocrinus longirostris*

*Batocrinus casualis* Miller and Gurley, 1895 = *Macrocrinus casualis*

*Batocrinus casula* Miller and Gurley, 1895 = *Eretmocrinus casula*

*Batocrinus christyi* Meek and Worthen, 1873 = *Eutrochocrinus christyi*

*Batocrinus cistula* Miller and Gurley, 1896 = *Dizygocrinus cistula*

*Batocrinus clavigerus* (Hall, 1859) = *Abatocrinus clavigerus*

*Batocrinus clio* (Hall, 1861) = *Eretmocrinus clio* = *Abatocrinus clio*

*Batocrinus cloelia* (Hall, 1861) = *Eretmocrinus cloelia*

*Batocrinus clypeatus* (Hall, 1859) = *Abatocrinus clypeatus*

*Batocrinus cognatus* Miller and Gurley, 1896c = *Macrocrinus cognatus*

*Batocrinus commendabilis* (Miller and Gurley, 1895) = *Eretmocrinus commendabilis*

*Batocrinus comparilis* Miller, 1892 = *B. clypeatus* = *Abatocrinus clypeatus*

*Batocrinus complanatus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus complanatus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus consanguineus* Miller and Gurley, 1896 = *Macrocrinus consanguineus*

*Batocrinus copiosus* Miller and Gurley, 1894 = *Eretmocrinus copiosus*

*Batocrinus corbulis* (Hall, 1861) = *Eretmocrinus corbulis*

*Batocrinus coronatus* (Hall, 1859) = *Eretmocrinus coronatus*

*Batocrinus crassitestus* Rowley, 1904 = *Batocrinus irregularis*

*Batocrinus crawfordsvillensis* Miller, 1891 = *Dizygocrinus crawfordsvillensis* = *D. indianensis*

*Batocrinus curiosus* Miller and Gurley, 1895 = *Eretmocrinus curiosus*

*Batocrinus curiosus* Miller and Gurley, 1895 = *Eretmocrinus curiosus*

*Batocrinus curiosus* Rowley, R. R., 1908 = *Abatocrinus curiosus*

*Batocrinus davisii* Rowley and Hare, 1891 = *Dizygocrinus unionensis* = *Globocrinus unionensis* = *Dizygocrinus davisii*

*Batocrinus davisii* var. *lanevillensis* Rowley, 1904 = *Dizygocrinus unionensis lanesvillensis* = *Batocrinus irregularis*

*Batocrinus davisii* var. *sculptus* Rowley, 1904 = *Dizygocrinus unionensis sculptus* = *Batocrinus unionensis* = *Globocrinus unionensis*

*Batocrinus decoris* Miller, 1891 = *Dizygocrinus decoris* = *Azygocrinus decoris*

*Batocrinus decrepitus* Miller, 1892 = *Dizygocrinus crawfordsvillensis* = *D. indianensis*

*Batocrinus delicatulus* Miller and Gurley, 1896 = *Dizygocrinus caroli*

*Batocrinus depressus* (Keyes, 1894) = *Eretmocrinus depressus*

*Batocrinus discoideus* (Hall, 1858) = *Abatocrinus subaequalis* = *Abatocrinus aequalis*

*Batocrinus divalis* Miller, 1892 = *Dizygocrinus unionensis divalis* = *D. caroli*

*Batocrinus dodecadactylus* (Meek and Worthen, 1861) = *Azygocrinus dodecadactylus*

*Batocrinus doris* (Hall, 1861) = *Abatocrinus aequalis*

*Batocrinus douglassi* Miller and Gurley, 1897 = *Aorocrinus douglassi*

*Batocrinus elegans* (Hall, 1858) = *Batocrinus turbinatus* = *Abatocrinus turbinatus*

*Batocrinus enodatus* Miller and Gurley, 1896 = *Azygocrinus enodus*

*Batocrinus enodis* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus enodus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus euconus* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 232. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 64. Ausich and Kammer, 2010, p. 40.

*Actinocrinus (Alloprosallocrinus) euconus* Meek and Worthen, 1865c, p. 164. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 64. Webster, 1977, p. 46.

*Dizygocrinus euconus* (Meek and Worthen, 1865). Wachsmuth and Springer, 1897, p. 407, Pl. 35, figs. 7a-7b. Weller, S., 1898c, p. 232. Beede, 1906, p. 1252, Pls. 12, fig. 3; 16, figs. 2-2a. Grabau and Shimer, 1910, p. 543, Fig. 1872. Bassler and Moodey, 1943, p. 429. Wolf, 1979, p. 151, Flg. 2, no. h.

*Alloprosallocrinus euconus* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 222.

*Azygocrinus euconus* (Meek and Worthen, 1865). Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 46. Ausich and Kammer, 2010a, p. 40.

Mississippian, Viséan (Osagean – Meramecian), Warsaw Formation; Spergen Limestone; Keokuk Limestone; ?St. Louis Limestone; Salem Limestone. United States, Iowa, Illinois, Indiana, Kentucky, Missouri

*Batocrinus faberi* Miller and Gurley, 1896 = *Eretmocrinus faberi*

*Batocrinus facetus* Miller and Gurley, 1890 = *Dizygocrinus facetus* = *D. whitei*

*Batocrinus folliculus* Miller and Gurley, 1896 = *Gongylocrinus follicus*

*Batocrinus formaceus* Miller and Gurley, 1895 = *Azygocrinus formaceus*

*Batocrinus formosus* (Hall, 1859) = *Abatocrinus aequalis*

*Batocrinus gemmiformis* (Hall, 1859) = *Macrocrinus gemmiformis*

*Batocrinus gallatinensis* Laudon and Severson, 1953 = *Macrocrinus gallatinensis*

*Batocrinus germanus* Miller and Gurley, 1896 = *Dizygocrinus? germanus*

*Batocrinus gibbosus* (Troost, 1849) = *Abatocrinus steropes*

*Batocrinus glaber* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus gorbyi* Miller, 1891 = *Dizygocrinus gorbyi*

*Batocrinus grandis* (Lyon and Casseday, 1859) = *Abatocrinus grandis*

*Batocrinus gurleyi* Rowley and Hare, 1891 = *Dizygocrinus biturbinatus*

*Batocrinus gurleyi* Miller, 1891 (non Rowley and Hare, 1891) = *Dizygocrinus gurleyi* =  
*Dizygocrinus caroli*

*Batocrinus hageri* (McChesney, 1860) = *Uperocrinus hageri*

*Batocrinus heteroclitus* Miller and Gurley, 1895 = *Dizygocrinus venustus* = *Uperocrinus heteroclitus* = *Simatocrinus heteroclitus*

*Batocrinus hodgsoni* Miller and Gurley, 1896 = *Eutrochocrinus hodgsoni*

*Batocrinus honorabilis* Miller and Gurley, 1895 = *Abatocrinus honorabilis*

*Batocrinus icosidactylus* Casseday, 1854 = \**B. icosidactylus*

\**Batocrinus icosidactylus* Casseday, 1854, p. 238, Pl. 2, figs. 1a-1c. Pictet, 1857, p. 324, Pl. 101, Fig. 6 (typographical error as *B. isodactylus* p. 324). Miller, S. A., 1889, p. 228. Miller, S. A., 1892a, p. 675, Fig. 1214. Casseday in Miller, S. A., 1892c, p. 24, Pl. 4, figs. 1-5. Miller, S. A., 1894, p. 24, Pl. 4, figs. 1-5.

Wachsmuth

and Springer, 1897, p. 368, Pl. 27, figs. 3a-3c. Weller, S., 1898c, p. 127. Delage and Herouard, 1903, p. 384, Fig. 468. Rowley, R. R., 1904a, p. 173, Pl. 51, figs. 16-21, 24-28. Beede, 1906, p. 1243, Pls. 12, figs. 6-6b; 15, figs. 16-21, 24-28. Grabau and Shimer, 1910, p. 541. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 325. Moore and Laudon, 1943b, p. 140, Pl. 11, figs. 7-8. Moore and

- Laudon, 1944, p. 195, Pl. 75, fig. 1. Lane, N. G., 1963a, p. 695, Figs. 2, 3b. Laudon, 1973b, p. 27, Fig. 3. Haugh, 1973a, p. 79, Pls. 1, fig. 11, 18; 3, figs. 2, 4, 7-8; Figs. 2, 4A. Webster, 1973, p. 64. Haugh, 1975b, p. 267, Figs. 4, no. A; 5, nos. 2, 11-13; 6, nos. 2, 8-9; 7, no. A. Webster, 1977, p. 47. Haugh, 1978, p. 147, Figs. 1-2, 15, nos. A-B, F; 17, nos. E, K. Ubaghs *in* Moore and Teichert, 1978, p. T155, T194, T197, Figs. 129, no. 3; 164, nos. 1, 4; 166, nos. 1-2. Lane *in* Moore and Teichert, 1978, p. T467, Fig. 275, no. 6. Webster, 1986, p. 76. Webster, 1988, p. 43. Feldman, 1989b, p. 903, Fig. 3, no. 12. Baumiller, 1990a, p. 745, Fig. 2, nos. A-E, G-H. Webster, 1993, p. 30. Baumiller and Gahn, 2002, p. 203, Fig. 5, nos. 3-5.
- Batocrinus icasodactylus* Casseday, 1854. Billings, E., 1869-1870, p. 71, Fig. 1 (sic).
- Batocrinus iscosodactylus* Casseday, 1854. Conkin and Conkin, 1976, p. 226, Pl. 11 (sic).
- Batocrinus isodactylus* Casseday, 1854. Dujardin and Hupé, 1862, p. 142 (sic).
- Batocrinus pileus* Miller and Gurley, 1895a, p. 18, Pl. 2, figs. 6-8. Miller, S. A., 1897, p. 738, Fig. 1317. Bassler and Moodey, 1943, p. 329. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 64.
- Actinocrinus (Batocrinus) eicosidactylus* (Casseday, 1854). Shumard, 1868, p. 344 (sic).  
Mississippian, Viséan (Osagean – Meramecian), Warsaw Limestone; Keokuk Formation; Salem Limestone, Somerset Shale Member; Spergen Limestone. United States, Iowa, Kentucky, Indiana

*Batocrinus ignotus* Miller and Gurley, 1895 = *Dizygocrinus mediocris* = *D. venustus*

*Batocrinus imparilis* Miller and Gurley, 1895 = *Gongylocrinus imparilis*

*Batocrinus inconsuetus* Miller and Gurley, 1895 = *Dizygocrinus venustus*

*Batocrinus incultus* Miller and Gurley, 1895 = *Gongylocrinus incultus*

*Batocrinus indianensis* (Lyon and Casseday, 1860) = *Dizygocrinus indianaensis*

*Batocrinus inflatus* Rowley and Hare, 1891 = *Lobocrinuus inflatus* = *Uperocrinus inflatus*

*Batocrinus inopinatus* Miller and Gurley, 1895 = *Dizygocrinus venustus*

*Batocrinus inornatus* (Hall, 1859) = *Batocrinus clypeatus* = *Abatocrinus clypeatus*

*Batocrinus insolens* Miller and Gurley, 1896 = *Macrocrinus insolens*

*Batocrinus insperatus* Miller and Gurley, 1895 = *Gongylocrinus insperatus*



*Batocrinus insuetus* Miller and Gurley, 1895 = *Dizygocrinus venustus* = *Dizygocrinus insuetus*

*Batocrinus intermedius* (Wachsmuth and Springer, 1881) = *Dizygocrinus originarius*

*Batocrinus irregularis* Casseday, 1854, p. 240, Pl. 2, figs. 2a-2c. Dujardin and Hupé, 1862, p. 142. Quenstedt, 1885, p. 956, Fig. 361. Miller, S. A., 1889, p. 228.

Miller,

S. A., 1892a, p. 675, Fig. 1215; 1892c, p. 26, Pl. 4, figs. 6-9. Miller, S. A., 1894, p. 280, Pl. 4, figs. 6-9. Wachsmuth and Spriner *in* Miller, S. A., 1897, p. 369, Pl. 27, figs. 4a-4c. Weller, S., 1898c, p. 128. Rowley, R. R., 1904a, p. 171, Pl. 51, figs. 4-6. Beede, 1906, p. 1224, Pls. 12, figs. 1-1a; 15, figs. 4-6. Grabau and Shimer, 1910, p. 541. Butts, C., 1926, p. 176, Pl. 58, fig. 2. Bassler and Moodey, 1943, p. 326. Jillson, 1958, p. 64, Unnum. Fig. Jillson, 1959, p. 36, Unnum. Fig. p. 5. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 65. Baumiller, 1990a, p. 745, Fig. 2, no. F. Baumiller and Gahn, 2002, p. 203, Fig. 5, no. 6.

*Actinocrinus (Batocrinus) irregularis* (Casseday, 1854). Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218.

*Batocrinus arcula* Miller and Gurley, 1895a, p. 16, Pl. 2, figs. 3-5. Miller, S. A., 1897, p. 735, Fig. 1303. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 65.

*Batocrinus crassitestus* Rowley, R. R., 1904a, p. 172, Pl. 51, figs. 10-12. Beede, 1906, p. 1249, Pl. 15, figs. 10-12. Bassler and Moodey, 1943, p. 324. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 65.

*Batocrinus davisii* var. *lanesvillensis* Rowley, R. R., 1904a, p. 172, Pl. 51, figs. 13-15.

Beede, 1906, p. 1249, Pl. 15, figs. 13-15. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 65.

*Batocrinus magnirostris* Rowley, R. R., 1904a, p. 170, Pl. 51, figs. 1-3. Beede, 1906, p. 1244, Pl. 15, figs. 1-3. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 65.

*Dizygocrinus unionensis lanesvillensis* (Rowley, 1904). Bassler and Moodey, 1943, p. 431.

Mississippian, Viséan (Osagean – Meramecian), Spergen Limestone; Warsaw Formation; Salem Limestone. United States, Kentucky, Indiana, Alabama

*Batocrinus irregularis* Rowley, 1904, *non* Casseday, 1854 = *Batocrinus calyculus*

*Batocrinus iscasadactylus* Casseday, 1854 = \**Batocrinus icosidactylus*

*Batocrinus iscosadactylus* Casseday, 1854 = \**Batocrinus icosidactylus*

*Batocrinus isodactylus* Casseday, 1854 = *Batocrinus icosidactylus*

*Batocrinus jessieae* Miller and Gurley, 1896 = *Uperocrinus jessieae*

*Batocrinus jucundus* Miller and Gurley, 1890 = *Macrocrinus mundulus*

*Batocrinus konincki* (Shumard, 1855) = *Macrocrinus konincki*

*Batocrinus labellum* Miller and Gurley, 1895 = *Dizygocrinus labellum*

*Batocrinus lacinosus* Miller and Gurley, 1895 = *Eretmocrinus lacinosus*

*Batocrinus laetus* Miller and Gurley, 1894 = *Abatocrinus turbinatus*

*Batocrinus lagunculus* Hall, 1859 = *Macrocrinus lagunculus*

*Batocrinus laterna* Miller and Gurley, 1895 = *Eretmocrinus laterna*

*Batocrinus laura* (Hall, 1861) = *Abatocrinus laura* = *Uperocrinus laura*

*Batocrinus laura sinuosus* (Hall, 1859) = *Abatocrinus laura* = *Uperocrinus laura*

*Batocrinus laura* var. *sinuosus* Wachsmuth and Springer, 1897 = *Abatocrinus laura* =  
*Uperocrinus laura*

*Batocrinus leucosia* (Hall, 1861) = *Eretmocrinus leucosia*

*Batocrinus lepidus* (Hall, 1859) = *Abatocrinus Lepidus* = *Eutrochocrinus lepidus*

*Batocrinus levigatus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus levis* Miller and Gurley, 1896 = *Uperocrinus levis*

*Batocrinus longirostris* (Hall), Wachsmuth and Springer, 1881 = *Lobocrinus longirostris*  
= *Uperocrinus longirostris*

*Batocrinus longirostris* sensu Wachsmuth and Springer, 1881 (non Hall, 1858) =  
*Gongylocrinus* sp.

*Batocrinus lovei* Wachsmuth and Springer, 1881 = *Eutrochocrinus lovei*

*Batocrinus lovii* Wachsmuth and Springer, 1881 = *Eutrochocrinus lovei*

*Batocrinus lyonanus* Miller and Gurley, 1894 = *Dizygocrinus biturbinatus*

*Batocrinus macbridei* Wachsmuth and Springer in Miller, 1889 = *Abatocrinus macbridei*

*Batocrinus magnificus* (Lyon and Casseday, 1859) = *Eretmocrinus magnificus*

*Batocrinus magnirostris* Rowley, 1904 = *Batocrinus irregularis*

*Batocrinus marinus* Miller and Gurley, 1890 = *Uperocrinus marinus*

*Batocrinus mediocris* Miller, 1891 = *Dizygocrinus originarius adultus* = *D. mediocris* = *D. caroli*

*Batocrinus minor* (Wachsmuth and Springer, 1897) = *Eretmocrinus minor* = *Abatocrinus minor*

*Batocrinus modestus* Miller and Gurley, 1895 = *Dizygocrinus mediocris* = *D. venustus*

*Batocrinus modulus* Miller and Gurley, 1896 = *Azygocrinus modulus*

*Batocrinus montgomeryensis* Worthen, 1884 = *Azygocrinus montgomeryensis* = *Dizygocrinus montgomeryensis*

*Batocrinus mundulus* (Hall, 1859) = *Macrocrinus mundulus*

*Batocrinus nanus* Miller and Gurley, 1896 = *Gongylocrinus nanus*

*Batocrinus nashvillae* (Troost), Worthen, 1890 = *Lobocrinus nashvillae* = *Uperocrinus nashvillae*

*Batocrinus nashvillae* var. *subtractus* (White, 1862) = *Uperocrinus nashvillae subtractus*

*Batocrinus neglectus* (Meek and Worthen, 1868) = *Eretmocrinus neglectus*

*Batocrinus (Eretmocrinus) neglectus* Meek and Worthen, 1868 = *Eretmocrinus neglectus*

*Batocrinus nitens* Miller and Gurley, 1896 = *Batocrinus niteus* = *Uperocrinus nitens*

*Batocrinus niteus* Miller and Gurley, 1896 = *Uperocrinus niteus*

*Batocrinus nitidulus* Miller and Gurley, 1895 = *Dizygocrinus gorbyi*

*Batocrinus nodosarius* Miller and Gurley, 1896 = *Eretmocrinus nodosarius*

*Batocrinus nodosus* Miller and Gurley, 1896 = *Eretmocrinus nodosus*

*Batocrinus nodulosus* Miller and Gurley, 1896b, p. 6, Pl. 1, figs. 4-6. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 328. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Batocrinus oblatulus* Whitfield, 1893 = *Dizygocrinus rotundus* = *Azygocrinus rotundus*

*Batocrinus originarius* (Wachsmuth and Springer, 1881) = *Dizygocrinus originarius*

*Batocrinus papillatus* (Hall, 1859) = *Abatocrinus clypeatus*

- Batocrinus parilis* Miller and Gurley, 1896 = *Dizygocrinus caroli*
- Batocrinus peculiaris* Miller and Gurley, 1895b, p. 18, Pl. 1, figs. 14-16. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 328. Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Missouri
- Batocrinus persculptus* (Ulrich, 1917) = *Globocrinus unionensis*
- Batocrinus pettisensis* Miller and Gurley, 1896 = *Eretmocrinus pettisensis*
- Batocrinus pileus* Miller and Gurley, 1895 = *Batocrinus icosidactylus*
- Batocrinus pistilliformis* (Meek and Worthen, 1865) = *Lobocrinus pyriformis* = *Uperocrinus pyriformis*
- Batocrinus pistilliformis* Rowley, 1889 = *Abatocrinus pistillus*
- Batocrinus pistillum* Meek and Worthen, 1865 = *Abatocrinus pistillus*
- Batocrinus pistillus* (Meek and Worthen, 1865) = *Abatocrinus pistillus*
- Batocrinus planodiscus* (Hall, 1859) = *Eutrochocrinus planodiscus*
- Batocrinus planus* Miller and Gurley, 1895b, p. 37, Pl. 2, figs. 11-14. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 329. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Batocrinus poculum* Miller and Gurley, 1890 = *Abatocrinus poculum*
- Batocrinus politus* Miller and Gurley, 1896 = *Azygocrinus politus*
- Batocrinus polydactylus* Miller and Gurley, 1895 = *Dizygocrinus venustus*
- Batocrinus proboscidualis* (Hall, 1858) = *Cactocrinus proboscidualis*
- Batocrinus procerus* Miller and Gurley, 1895 = *Macrocrinus mundulus*
- Batocrinus prodigialis* Miller and Gurley, 1895 = *Eretmocrinus prodigialis* = *E. yandelli* = *Magnuscrinus yandelli*
- Batocrinus proximus* Miller and Gurley, 1896a, p. 7, Pl. 1, figs. 4-5. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Batocrinus pulchellus* Miller, 1891 = *Dizygocrinus unionensis* = *D. whitei* = *D. gorbyi*

*Batocrinus pyriformis* (Shumard), Meek and Worthen, 1873 = *Lobocrinus pyriformis* =  
*Uperocrinus pyriformis*

*Batocrinus (Lobocrinus) pyriformis* Shumard, 1855. Steinmann, 1907 = *Uperocrinus pyriformis*

*Batocrinus quasillus* Meek and Worthen, 1868 = *Abatocrinus clypeatus*

*Batocrinus ramulosus* (Hall, 1858) = *Eretmocrinus ramulosus*

*Batocrinus regalis* Miller and Gurley, 1896 = *Dizygocrinus regalis*

*Batocrinus reliquus* Miller and Gurley, 1897 = *Simatocrinus reliquus*

*Batocrinus (Eretmocrinus) remibrachiatus* Meek and Worthen, 1878 = *Eretmocrinus remibrachiatus expansus*

*Batocrinus remibrachiatus* var. *expansus* Wachsumth and Springer, 1897 =  
*Eretmocrinus remibrachiatus expansus*

*Batocrinus remotus* Miller and Gurley, 1896 = *Abatocrinus laura* = *Abatocrinus remotus*

*Batocrinus repertus* Miller and Gurley, 1896 = *Gongylocrinus repertus*

*Batocrinus repositus* Miller and Gurley, 1896 = *Abatocrinus laura* = *Uperocrinus repositus*

*Batocrinus reservatus* Miller and Gurley, 1897 = *Simatocrinus reservatus*

*Batocrinus robustus* (Wachsmuth and Springer, 1897) = *Uperocrinus robustus*

*Batocrinus rotadentatus* Rowley and Hare, 1891 = *Abatocrinus rotadentatus* =  
*Eretmocrinus rotadentatus*

*Batocrinus rotuliformis* Miller and Gurley, 1897 = *Simatocrinus rotuliformis*

*Batocrinus rotuliformis* Miller and Gurley, 1897 = *Batocrinus rotuliformis*

*Batocrinus rotundus* (Yandell and Shumard), Keyes, 1894 = *Dizygocrinus rotundus* =  
*Azygocrinus rotundus*

*Batocrinus rudis* Miller and Gurley, 1896 = *Macrocrinus rudis*

*Batocrinus rugosus* (Wachsmuth and Springer, 1897) = *Eretmocrinus rugosus*

- Batocrinus rusticellus* Miller and Gurley, 1897 = *Eretmocrinus rusticellus*
- Batocrinus? rusticus* Miller and Gurley, 1897 = *Simatocrinus rusticus*
- Batocrinus saccellus* Miller and Gurley, 1896 = *Abatocrinus saccellus*
- Batocrinus sacculus* Miller and Gurley, 1896 = *Dizygocrinus sacculus* = *Batocrinus spergenensis*
- Batocrinus sagetownensis* Miller and Gurley, 1896 = *Eutrochocrinus sagetownensis*
- Batocrinus salemensis* Miller and Gurley, 1896 = *Batocrinus calyculus* = *Dizygocrinus salemensis*
- Batocrinus sampsoni* Miller and Gurley, 1895 = *Dizygocrinus mediocris* = *D. caroli*
- Batocrinus sayi* Wood, 1909 = *Abatocrinus steropes*
- Batocrinus scitulus* Miller and Gurley, 1897 = *Macrocrinus scitulus*
- Batocrinus scyphus* Miller and Gurley, 1894 = *Batocrinus laura* = *Abatocrinus laura* = *Uperocrinus laura*
- Batocrinus sedaliensis* Miller and Gurley, 1896 = *Eretmocrinus sedaliensis*
- Batocrinus selectus* Miller and Gurley, 1896 = *Abatocrinus laura* = *Uperocrinus selectus*
- Batocrinus senex* Miller and Gurley, 1897 = *Uperocrinus senex*
- Batocrinus serratus* Miller and Gurley, 1895 = *Dizygocrinus venustus*
- Batocrinus sharonensis* Miller and Gurley, 1897 = *Macrocrinus sharonensis*
- Batocrinus shepardi* Rowley, 1893 = *Macrocrinus shepardi*
- Batocrinus signatus* Miller and Gurley, 1896 = *Dizygocrinus biturbinatus*
- Batocrinus similis* (Hall, 1859) = *Macrocrinus mundulus*
- Batocrinus simplex* Wachsmuth and Springer; Miller, 1897 = *Dizygocrinus indianensis simplex* = *D. indianensis*
- Batocrinus sinuosus* (Hall, 1859) = *Abatocrinus laura* = *Uperocrinus laura*
- Batocrinus solitarius* Miller and Gurley, 1896 = *Eretmocrinus solitarius*
- Batocrinus somersetensis* Feldman, 1989 = *Dizygocrinus whitei*

*Batocrinus speciosus* Miller and Gurley, 1896 = *Eretmocrinus speciosus*

*Batocrinus spergenensis* Miller, 1892 = *Glannearycrinus spergenensis*

*Batocrinus spinosus* Miller and Gurley, 1895 = *Eretmocrinus spinosus* = *Magnuscrinus spinosus*

*Batocrinus springeranus* Bassler, 1925 = *Abatocrinus springeranus*

*Batocrinus? springeri* Rowley, 1900 = *Cactocrinus springeri*

*Batocrinus spurius* Miller and Gurley, 1896 = *Eretmocrinus spurius*

*Batocrinus stelliformis* Miller and Gurley, 1896 = *Dizygocrinus venustus* = *Uperocrinus heteroclitus* = *Simatocrinus stelliformis*

*Batocrinus steropes* (Hall, 1859) = *Abatocrinus steropes*

*Batocrinus strenuus* Miller and Gurley, 1896 = *Aorocrinus strenuus*

*Batocrinus subaequalis* (McChesney, 1860) = *Abatocrinus subaequalis* = *Abatocrinus aequalis*

*Batocrinus subaequatus* Miller and Gurley, 1896 = *Abatocrinus aequalis* = *Abatocrinus subaequatus*

*Batocrinus subconicus* Worthen, 1884 = *Dizygocrinus euconus* = *Azygocrinus montgomeryensis* = *Dizygocrinus montgomeryensis*

*Batocrinus sublaevis* Miller and Gurley, 1896c = *Macrocrinus sublaevis*

*Batocrinus subovatus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus subrotundatus* (Hall, 1859) = *Actinocrinus subrotundatus*

*Batocrinus subrotundus* Miller and Gurley, 1896 = *Azygocrinus rotundus*

*Batocrinus subscitulus* Miller and Gurley, 1896 = *Dizygocrinus subscitulus*

*Batocrinus sublaevis* Miller and Gurley, 1896 = *Macrocrinus sublaevis*

*Batocrinus subtractus* (White, 1862) = *Lobocrinus nashvillae subtractus* = *Uperocrinus nashvillae subtractus*

*Batocrinus superbus* Miller, 1897 = *Eretmocrinus remibrachiatus expansus*

*Batocrinus sweeti* Rowley and Hare, 1891 = *Dizygocrinus montgomeryensis* = *D. biturbinatus*

*Batocrinus trochiscus* Meek and Worthen, 1868 = *Eutrochocrinus christyi* var. *trochiscus* = *E. trochiscus*

*Batocrinus trochiscus* Meek and Worthen; Keyes, 1894 = *Eutrochocrinus trochiscus*

*Batocrinus tuberculatus* Wachsmuth and Springer, 1897 = *Abatocrinus tuberculatus*

*Batocrinus tubinatus* (Hall, 1858) = *Abatocrinus turbinatus*

*Batocrinus turbinatus elegans* (Hall, 1858) = *Abatocrinus turbinatus*

*Batocrinus turbinatus* var. *elegans* (Hall, 1858) = *Abatocrinus turbinatus*

*Batocrinus unionensis* Worthen, 1890 (part) = *Globocrinus unionensis*

*Batocrinus variabilis* Miller and Gurley, 1896 = *Macrocrinus variabilis*

*Batocrinus varsoviensis* (Worthen, 1882) = *Dizygocrinus originarius*

*Batocrinus venustulus* Miller and Gurley, 1895 = *Dizygocrinus caroli*

*Batocrinus venustus* Miller, 1891 = *Dizygocrinus venustus*

*Batocrinus verneuillianus* Meek and Worthen, 1873 = *Macrocrinus verneuillianus*

*Batocrinus veterator* Miller and Gurley, 1895 = *Dizygocrinus caroli* = *D. venustus*

*Batocrinus vetustus* Miller and Gurley, 1895 = *Dizygocrinus caroli*

*Batocrinus vicinus* Miller and Gurley, 1895 = *Uperocrinus heteroclitus*

*Batocrinus wachsmuthi* (White, 1880) = *Abatocrinus grandis*

*Batocrinus wetherbyi* Miller and Gurley, 1895 = *Eretmocrinus wetherbyi*

*Batocrinus whitei* Wachsmuth and Springer, 1881 = *Dizygocrinus whitei*

*Batocrinus whitii* (Wachsmuth and Springer, 1881) = *Dizygocrinus whitei*

*Batocrinus yandelli* (Shumard, 1857) = *Eretmocrinus yandelli* = *Magnuscrinus yendelli*

*Batocrinus* sp. A Feldman, 1989b, p. 906, Fig. 3, no. 15. Webster, 1993, p. 30.

Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member.  
United States, Kentucky



*Batocrinus* sp. A Feldman, 1989b, p. 906, Fig. 3, nos. 20-21. Webster, 1993, p. 30.  
Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member.  
United States, Indiana

*Batocrinus* spp.

- Miller and Gurley, 1896c, p. 64, Pl. 4, figs. 24-25 (abnormal specimen).  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa  
Miller and Gurley, 1896c, p. 66, Pl. 4, figs. 26-27 (abnormal specimen).  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa  
Steinmann, 1908, p. 149, Fig. 75, center. (Not a *Batocrinus*, GDW)  
Arendt and Zubarev,: no locality information  
Spreng and Parks, 1953, p. 592, Fig. 1, no. m. Webster, 1977, p. 47.  
No age or locality given  
Douglas, 1969, p. 224, Fig. 6. Webster, 1977, p. 48.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana  
Haugh, 1975a, p. 484, Pl. 1, fig. 6. Webster, 1986, p. 76.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United  
States, Iowa  
Anderson, W. I., 1983, p. 157, Fig. 7.16. Webster, 1988, p. 44.  
Mississippian, no locality data  
Kues, 1982, Unnum Fig. p. 108, no. H. Webster, 1988, p. 44.  
Mississippian. no locality data  
Waters and Maples, 1991, p. 403, Fig. 4, no. A.  
Mississippian, Viséan (Meramecian). United States, Midcontinent region  
Stinchcomb, 2008, p. 129, Figs. 07-068-07-069.  
Mississippian, Viséan (Osagean), Burlington Formation. United States, locality  
not given

*Batrocrinus macbridei* Wachsmuth and Springer in Miller, 1889 = *Abatocrinus macbridei*

**BECHAROCRINUS** Termier and Termier, 1956. \**Triacrinus paradoxus* Termier and  
Termier, 1950.

Sbc. Camerata, Order and Family uncertain

Termier, H. and Termier, G., 1956, p. 316. Webster, 1973, p. 66. Ubaghs in Moore  
and Teichert, 1978, p. T516. Webster, 1986, p. 76.

**TRIACRINUS** Termier, G. and Termier, H., 1950, p. 84, 100. \**T. paradoxus* Termier  
and Termier, 1950. Webster, 1973, p. 66.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Westphalian species

Pennsylvanian, early Westphalian. Morocco, Algeria

\**Becharocrinus paradoxus* (Termier and Termier, 1950). Termier, H. and Termier, G.,  
1956, p. 316. Ubaghs in Moore and Teichert, 1978, p. T516, Fig. 318, no. 1.  
Webster, 1973, p. 66.

*Triacrinus paradoxus* Termier, G. and Termier, H., 1950, p. 84, 100, Pl. 214, figs.  
10-13. Webster, 1973, p. 66.

Pennsylvanian, early Westphalian. Morocco, Algeria

**BECSCIECRINUS** Ausich and Copper, 2010. \**Becsciecrinus adonis* Ausich and Copper, 2010.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Ausich and Copper, 2010, p. 19.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, early Llandoveryan. Canada, Quebec

\**Becsciecrinus adonis* Ausich and Copper, 2010, p. 19, P. 3, figs. 1-6; Figs. 5.3, 5.5.  
Silurian, early Llandoveryan, Becscie Formation, Fox Point and Chabot Members.  
Canada, Quebec, Anticosti Island

**BELANSKICRINUS** Strimple and Levorson, 1969. \**Bactrocrinus westoni* Belanski, 1928.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F.  
Mastigocrinidae

Strimple and Levorson, 1969, p. 18. Webster, 1977, p. 48. Moore and Lane *in*  
Moore and Teichert, 1978, p. T622. Webster, 1986, p. 77.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Frasnian species

Devonian, Frasnian. United States, Iowa

\**Belanskicrinus westoni* (Belanski, 1928). Strimple and Levorson, 1969, p. 19, Figs. 3,  
no. 5; 6; 7, nos. 1-5. Webster, 1977, p. 48. Moore and Lane *in* Moore and  
Teichert, 1978, p. T622, Fig. 405, no. 1. Webster, 1986, p. 77.

*Bactrocrinus westoni* Belanski, 1928, p. 177, Pl. 13, figs. 35-37. Bassler and  
Moodey, 1943, p. 315. Kirk, 1948, p. 708. Strimple and Levorson, 1969, p. 18.  
Webster, 1973, p. 60. Webster, 1977, p. 48. Hauser, 2007, p. 40, figs. 35-37.

*Bactrocrinites westoni* (Belanski, 1928). Bassler and Moodey, 1943, p. 315.

*Atractocrinus westoni* (Belanski, 1928). Kirk, 1948, p. 708. Webster, 1973, p. 60.  
Devonian, Frasnian, Shellrock Limestone, Mason City Member. United States,  
Iowa

**BELASHOVICRINUS** Arendt and Zubarev, 1993. \**B. gjelensis* Arendt and Zubarev, 1993.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Agassizocrinidae

Arendt and Zubarev, 1993a, p. 28. Arendt and Zubarev, 1993b, p. 35.

Named, currently recognized species based on cups or crowns: 3 species. 2  
Pennsylvanian, 1 Gzhelian, 1 Kasimovian; 1 Permian, Artinskian

Pennsylvanian - Early Permian, Kassimovian – Artinskian. Russia

*Belashovicrinus elenae* (Yakovlev, 1930). Arendt and Zubarev, 1993a, p. 33, Pl. 5,  
figs. 16-19. Arendt and Zubarev, 1993b, p. 42, Pl. 5, figs. 16-19.

*Phialocrinus elenae* Yakovlev, 1930a, p. 97, 102, Pl. 1, figs. 3a-3c (separate).

Branson, C. C., 1948, p. 177. Yakovlev and Ivanov, 1956, p. 116. Strimple, and

- Watkins, 1969, p. 195. Webster, 1977, p. 143. Arendt and Zubarev, 1993a, p. 33. Arendt and Zubarev, 1993b, p. 42.
- Phialocrinus? elenae* Yakovlev, 1930, p. 97, Pl. 1, figs. 3a-3c. Bassler and Moodey, 1943, p. 609. Yakovlev *in* Yakovlev and Ivanov, 1956, Pl. 11, fig. 12. Webster, 1973, p. 206. Arendt and Zubarev, 1993a, p. 33. Arendt and Zubarev, 1993b, p. 42.
- Graphiocrinus elenae* (Yakovlev, 1930). Bassler and Moodey, 1943, p. 496.
- Aesiocrinus elenae* (Yakovlev, 1930). Branson, C. C., 1948, p. 177.
- Polusocrinus elenae* (Yakovlev, 1930). Strimple and Watkins, 1969, p. 195. Webster, 1977, p. 143.
- Early Permian, late Artinskian, Sarga Horizon, Div'ya Formation. Russia, Urals, Krasnoufimsk
- \**Belashovicrinus gjelensis* Arendt and Zubarev, 1993a, p. 30, Pl. 5, figs. 3-15; Figs. 1, nos. g-m, 2, nos. a-k. Arendt and Zubarev, 1993b, p. 39, Pl. 5, figs. 3-15; Figs. 1, nos. d-l; 2, nos. a-j.
- Pennsylvanian, Gzhelian, Rusavkino Horizon. Russia, Moscow Basin
- Belashovicrinus medvedkaensis* Arendt and Zubarev, 1993a, p. 29, Pl. 5, figs. 1-2; Fig. 1, nos. a-v. Arendt and Zubarev, 1993b, p. 38, Pl. 5, figs. 1-2; Fig. 1, nos. a-c.
- Pennsylvanian, Kasimov, Khamovnich Horizon. Russia, Moscow Basin
- BELEMNOCRINUS** White, 1862. \**B. typus* White, 1862.
- Sbc. Disparida, Spf. Belemnocrinoidea, F. Belemnocrinidae
- White, C. A., 1862 (adv. rept). White, C. A., 1865, p. 13. Shumard, 1868, p. 356. Zittel, 1880, p. 344, 362. Wachsmuth and Springer, 1886, p. 213 (187). Miller, S. A., 1889, p. 229. Bather, 1890b, p. 322. Bather *in* Lankester, 1900, p. 152. Wachsmuth *in* Zittel, 1900, p. 153. Springer *in* Zittel, 1913, p. 215. Jaekel, 1918, p. 58. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 333. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Webster, 1973, p. 66. Moore and Lane *in* Moore and Teichert, 1978, p. T557. Webster, 1986, p. 77. Sevastopulo and Lane, 1988, p. 251. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 30.
- Named, currently recognized species based on cups or crowns: 4 Mississippian species, 1 Tournaisian, 3 Viséan
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States, Iowa, Missouri
- Belemnocrinus florifer* Wachsmuth and Springer, 1877 = *Whiteocrinus florifer*
- Belemnocrinus pourtalesi* Wachsmuth and Springer, 1877, p. 258. Miller, S. A., 1889, p. 229. Weller, S., 1898c, p. 138. Bassler and Moodey, 1943, p. 333.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Belemnocrinus sampsoni* Miller, S. A., 1891b, p. 26, Pl. 3, fig. 8. Miller, S. A., 1892a, p. 675. Miller, S. A., 1897, p. 739, Fig. 1320. Weller, S., 1898c, p. 138. Bassler and Moodey, 1943, p. 333.

*Belemnocrinus? sampsoni* Keyes, 1894a, p. 207, Pl. 25, fig. 9. Bassler and Moodey, 1943, p. 333.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Belemnocrinus? sampsoni* Keyes, 1894 = *Belemnocrinus sampsoni*

\**Belemnocrinus typus* White, C. A., 1862 (adv. rept.). White, C. A., 1865, p. 13, Figs. 1-2. Shumard, 1868, p. 356. Wachsmuth and Springer, 1885, Pl. 5, fig. 10. Wachsmuth and Springer, 1886, p. 214 (138). Miller, S. A., 1889, p. 229, Fig. 255. Weller, S., 1898c, p. 138. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 333. Moore and Lane *in* Moore and Teichert, 1978, p. T557, Fig. 350, no. 1. Webster, 1986, p. 77.  
Mississippian, Viséan (Osagean), upper part of Burlington Formation. United States, Iowa, Missouri

*Belemnocrinus whitii* Meek and Worthen, 1866b, p. 251. Meek and Worthen, 1868c, p. 463, Pl. 18, figs. 4a-4c. Miller, S. A., 1889, p. 229, Fig. 256. Weller, S., 1898c, p. 138. Bassler and Moodey, 1943, p. 334.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

**BELSKAYACRINUS** Arendt, 1997. \**B. turaevoensis* Arendt, 1997

Sbc. Disparida, Family Incertae sedis

Arendt, 1997a, p. 57. Arendt, 1997b, p. 400.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Moscovian species

Pennsylvanian, Moscovian. Russia, Moscow Basin

\**Belskayacrinus turaevoensis* Arendt, 1997a, p. 58, Pls. 7, figs. 1-5; 8, figs. 1-5; Figs. 1-2. Arendt, 1997b, Pls. 7, figs. 1-5; 8, figs. 1-5; Figs. 1-2.  
Carboniferous, Moscovian, Myachkov Horizon, Peskov Formation. Russia, Moscow Basin

**BENTHOCRINUS** Wanner, 1937. \**B. cryptobasalis* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Timorechinidae

Wanner, 1937, p. 187. Bassler, 1938, p. 52. Bassler and Moodey, 1943, p. 334.

Moore and Laudon, 1943b, p. 59. Branson, C. C., 1948, p. 181. Webster, 1973, p. 66. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754. Webster, 1986, p. 77.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. Timor

\**Benthocrinus cryptobasalis* Wanner, 1937, Pl. 12, figs. 15-20. Bassler and Moodey, 1943, p. 334. Branson, C. C., 1948, p. 181. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754, Fig. 499, no. 2. Webster, 1986, p. 77.

Permian, series uncertain, Basleo Beds. Timor, Pantukat

**BEYRICHOCRINUS** Waagen and Jahn, 1899. \**B. humilis* Waagen and Jahn, 1899.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
 Periechocrinidae  
 Waagen and Jahn, 1899, p. 12. Bather, 1900b, p. 103. Bather *in* Lankester, 1900,  
 p. 106. Jaekel, 1918, p. 32. Bassler, 1938, p. 52. Bassler and Moodey, 1943, p.  
 334. Moore and Laudon, 1943b, p. 92. Ubaghs, 1953, p. 739. Webster, 1973, p.  
 66. Ubaghs *in* Moore and Teichert, 1978, p. T444. Webster, 1986, p. 77.  
 Webster, 1993, p. 30.  
 Named, currently recognized species based on cups or crowns: 1 Early Devonian  
 Species, series uncertain  
 Devonian, Pragian. Czech Republic, Bohemia

\**Beyrichocrinus humilis* (Waagen and Jahn, 1899). Bather, 1900b, p. 105, Fig. 1.  
 Bassler, 1938, p. 52. Bassler and Moodey, 1943, p. 334. Ubaghs *in* Moore and  
 Teichert, 1978, p. T444, Fig. 252, no. 3. Webster, 1986, p. 77. Prokop and Petr,  
 1990, p. 28, Pl. 1, figs. 5-6. Webster, 1993, p. 30.  
*Encrinites humilis* Waagen and Jahn, 1899, p. 15, Pls. 59-61. Prokop and Petr,  
 1990, p. 28.  
 Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

**BICHIROCRINUS** Jaekel, 1918. *Nomen nudum*, no type designated.  
 Jaekel, 1918, p. 88. Bassler, 1938, p. 52. Bassler and Moodey, 1943, p. 334. Moore  
 and Teichert, 1978, p. T928 (unrecognizable).  
 Silurian. North America; Europe

**BICICLOCRINUS** Ivanov, 1926. \**B. calyciformis* Ivanov, 1926.  
 Ivanov, 1926, p. 176 (*nomen nudum*). Bassler, 1938, p. 52. Bassler and Moodey,  
 1943, p. 334. Moore and Teichert, 1978, p. T928.  
 Named, currently recognized species based on cups or crowns: 2 Pennsylvanian  
 species, *nomen nudum*  
 Pennsylvanian. Russia, Moscow Basin

\**Biciclocrinus calyciformis* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler, 1938, p. 52.  
 Bassler and Moodey, 1943, p. 334.  
 Pennsylvanian. Russia, Moscow Basin

*Biciclocrinus parvus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943,  
 p. 334.  
 Pennsylvanian. Russia, Moscow Basin

**BICIDIOCRINUS** Strimple, 1975. \**Hydreionocrinus wetherbyi* Wachsmuth and  
 Springer, 1886.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F.  
 Zeacrinidae  
 Strimple, 1975i, p. 5. Webster, 1986, p. 77. Chestnut and Etensohn, 1988, p. 33,  
 Figs. 10, 13. Webster, 1993, p. 30.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Serpukhovian species  
Mississippian, Serpukhovian (Chesterian). United States, Kentucky

- \**Bicidiocrinus wetherbyi* (Wachsmuth and Springer, 1886). Strimple, 1975i, p. 5, Pl. 1, figs. 7, 11. Webster, 1986, p. 78. Chestnut and Etensohn, 1988, p. 34, Pl. 1, figs. 5-6. Webster, 1993, p. 30. Ausich et al. *in* Hess et al., 2000, p. 23, Fig. 36.
- Hydreionocrinus wetherbyi* Wachsmuth and Springer, 1886, p. 245 (169). Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 311. Springer, 1926b, p. 89, Pl. 25, figs. 4-12. Bassler and Moodey, 1943, p. 710. Strimple, 1975i, p. 5. Webster, 1986, p. 78.
- Tholocrinus wetherbyi* (Wachsmuth and Springer, 1886). Kirk, 1939, p. 471. Bassler and Moodey, 1943, p. 710. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 6. Moore and Laudon, 1944, p. 167, Pl. 59, fig. 4. Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 10. Webster, 1973, p. 258. Webster, 1977, p. 170. Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 159, no. 2. Meyer and Ausich, 1983, p. 382, Fig. 1, no. f. Webster, 1986, p. 307. Chestnut and Etensohn, 1988, p. 34. Webster, 1988, p. 159. Webster, 1993, p. 30.
- Hydreionocrinus armiger* Wetherby, 1881a, p. 328, Pl. 9, figs. 4-11. Weller, S., 1898c, p. 311. Bassler and Moodey, 1943, p. 710.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Pennington Formation, Sloans Valley Member. United States, Kentucky

**BIKOCRINUS** Ausich, 1985. \**B. baios* Ausich, 1985.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Stelidiocrinidae

Ausich, 1985, p. 804. Webster, 1988, p. 44.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, Llandoveryan. United States, Ohio

- \**Bikocrinus baios* Ausich, 1985, p. 804, Figs. 9; 10, nos. 1-7, 9. Webster, 1988, p. 44.  
Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

**BINARIACRINUS** Webster et al., 2009a. \**Binariacrinus alveus* Webster et al., 2009a.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinina, Spf. Cromyocrinoidea, F. Cromyocrinidae

Webster et al., 2009a, p. 49.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Moscovian species

Pennsylvanian, Moscovian. China, Xinjiang-Uygar Autonomous Region

- \**Binariacrinus alveus* Webster et al., 2009a, p. 49, Fig. 2, nos. A-C.

*Graphiocrinus* sp. Lane et al., 1996, p. 126, figs. 5.17, 5.18, 6.4, 6.7, (non fig. 6.10).  
Webster et al., 2009a, p. 49.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous  
Region

Birnförmigen proboscis Sandberger and Sandberger, 1850-1856, p. 383, Unnum. Fig. Devonian, Eifelian, Stringocephalenkalke. Germany

Biserial arm Reed, 1906, p. 93, Pl. 8, fig. 15.  
Silurian, ?early Llandoveryan, Namhsim Sandstone, Zebingyi Beds. India

Biserial brachials Webster and Maples, 2008, p. 205, Fig. 10.2, nos. 5-7.  
diagramatic

Biserial brachials of inadunate crinoids Lane and Burke, 1976, p. 204, Fig. 4, nos. A, C-D, F-H. Webster, 1986, p. 322.  
Pennsylvanian, Missourian, Lane Shale. United States, Kansas, Missouri

Biserial brachials of camerate crinoid Lane and Burke, 1976, p. 204, Fig. 4, nos. B, E. Webster, 1986, p. 322.  
Mississippian. Ireland, Hook Head

“Blade” cirri? Indeterminate Webster et al., 2011, p. 48, Fig. 12, nos. q-w.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Blairocrinus* sp. Hou, et al., 1994 = *Actinocrinites zhaoae*

**BLAIROCRINUS** Miller, 1891. \**B. trijugis* Miller, 1891.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Miller, S. A., 1891c, p. 679 (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 679. Bassler, 1938, p. 51. Bassler and Moodey, 1943, p. 266. Brower, 1967, p. 696. Webster, 1973, p. 66. Macurda, 1974, p. 821, Figs. 1-2. Haugh, 1978, p. 163, Fig. 11, no. 10. Bowsher *in* Moore and Teichert, 1978, p. T455. Webster, 1986, p. 78. Webster and Lane, 1987, p. 11. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 44. Webster, 1993, p. 30. Webster et al., 2004, p. 27.

Named, currently recognized species based on cups or crowns: 3 species. 2 Mississippian, 1 Tournaisian, 1 Viséan; 1 Pennsylvanian, Bashkirian Mississippian, Tournaisian – Viséan (late Kinderhookian - Osagean). United States, Missouri, Kentucky  
Pennsylvanian, Bashkirian. Algeria

*Blairocrinus arrosus* Miller, 1892 = *Aacocrinus arrosus* = *Cactocrinus arrosus*

*Blairocrinus bullatus* Miller, 1892 = *Aacocrinus arrosus* = *Cactocrinus arrosus*

*Blairocrinus grafensis* Webster et al., 2004, p. 27, Pl. 4, figs. 13-15.  
Pennsylvanian, Bashkirian, Hassi Kerma Formation. Algeria

*Blairocrinus protuberans* Lee, Ausich, and Kammer, 2005, p. 341, Figs. 1.5-1.7.  
Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Blairocrinus spinosulus* Miller and Gurley, 1893 = *Aacocrinus spinosulus*

*Blairocrinus spinulosus* Miller and Gurley, 1893 = *Actinocrinites spinulosus* =  
*Aacocrinus spinosulus*

\**Blairocrinus trijugis* Miller, S. A., 1891c (adv. pub.), p. 679, Pl. 11, figs. 1-3. Miller, S. A., 1892a, p. 675, Fig. 1217. Miller, S. A., 1892b, p. 679, Pl. 11, figs. 1-3. Weller, S., 1898c, p. 64. Bassler, 1938, p. 52. Bassler and Moodey, 1943, p. 276. Brower, 1967, p. 698, Pls. 77, fig. 5; 78, figs. 1-12; Figs. 1, nos. C, F; 6. Webster, 1973, p. 66. Haugh, 1978, p. 163, Figs. 15, no. C; 17, no. H. Bowsher *in* Moore and Teichert, 1978, p. T455, Fig. 263, no. 1. Webster, 1986, p. 78.  
*Actinocrinus trijugis* (Miller, 1891). Wachsmuth and Springer, 1897, p. 576, Pl. 54, figs. 4a-4b. Weller, S., 1898c, p. 64. Peck and Keyte, 1938, p. 86, Pl. 28, figs. 1-3, 15-16, 18-20. Bassler and Moodey, 1943, p. 276.  
*Actinocrinites trijugis* (Miller, 1891). Bassler and Moodey, 1943, p. 276.  
*Gennaeocrinus trijugis* (Miller, 1891). Keyes, 1894a, p. 174, Pl. 23, figs. 3a-3b. Weller, S., 1898c, p. 64.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone; Compton Limestone; Compton-Sedalia transition beds. United States, Missouri

*Blairocrinus* sp. Lane and Dubar, 1983, p. 117, Fig. 3, no. A. Webster, 1988, p. 44. Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky

*Blairocrinus?* sp. Hashimoto, 2001, p. 11, Pl. 4, fig. 3; Fig. 6, no. 2. Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group. Southwest Japan

?*Blairocrinus* sp. Hou, et al., 1994 = *Uperocrinus zhaoae*

Blothrocrinid indeterminate Webster and Waters, 2005, p. 27, Figs. 2.9-2.11. Mississippian, early Chesterian, Otter Formation. United States, Montana

Blothrocrinid indeterminate Webster et al., 2011, p. 42, Fig. 7, nos. n-p. Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

**BLOTHROCRINUS** Kirk, 1940. \**Poteriocrinus jesupi* Whitfield, 1881.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Kirk, 1940c, p. 321. Bassler and Moodey, 1943, p. 334. Moore and Laudon, 1943b, p. 55, Fig. 6. Moore and Laudon, 1944, p. 158. Moore, 1962b, p. 15, Fig. 9, no. 6. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 67. Webster, 1977, p. 48. Moore and Strimple *in* Moore and Teichert, 1978, p. T648. Webster, 1986, p. 78. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 31. Webster, 1997, p. 26. Ausich and Sevastopulo, 2001, p. 103.

Named, currently recognized species based on cups or crowns: 11 species. 10



Mississippian, 5 Tournaisian, 5 Viséan; 1 Pennsylvanian, Westphalian  
 Mississippian, Tournaisian-Viséan. Europe  
 Mississippian, Viséan. Russia  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

*Blothrocrinus balconi* Termier, G. and Termier, H., 1950, p. 90, 101, Pl. 218, figs. 18-26. Webster, 1973, p. 67. (Not a *Blothrocrinus*; based on cup with disarticulated radials and axillary primibrachials, GDW)  
 Pennsylvanian, Westphalian. Algeria

*Blothrocrinus brevidactylus* (Austin and Austin, 1843) = *Blothrocrinus longidactylus*

*Blothrocrinus cultidactylus* (Hall, 1859). Kirk, 1940c, p. 322. Bassler and Moodey, 1943, p. 334.

*Poteroicrinus cultidactylus* Hall, 1859a, p. 62. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274. Worthen, 1883, p. 301, Pl. 30, fig. 1. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943, p. 334.

*Poteroicrinus (Scaphiocrinus) cultidactylus* (Hall, 1859). Wachsmuth and Springer, 1880, p. 114 (337) (1879). Bassler and Moodey, 1943, p. 334.

*Scaphiocrinus cultidactylus* (Hall, 1859). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 542.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Illinois, Iowa

*Blothrocrinus guntherorum* Webster, 1997, p. 27, Pl. 6, fig. 9.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Blothrocrinus impressus* (Phillips, 1836) = *Poteroicrinites impressus*

*Blothrocrinus impressus* (Phillips, 1836); Wright, 1951 (part) = *Blothrocrinus wrighti*

\**Blothrocrinus jesupi* (Whitfield, 1881). Kirk, 1940c, p. 322. Bassler and Moodey, 1943, p. 334. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 9. Moore and Laudon, 1944, p. 158, Pl. 58, fig. 20. Webster, 1973, p. 67. Moore and Strimple in Moore and Teichert, 1978, p. T648, Fig. 424, no. 2. Webster, 1986, p. 78.

*Poteroicrinus jesupi* Whitfield, 1881, p. 7, Pls. 1; 2, fig. 1. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 549. Bassler and Moodey, 1943, p. 334.

*Pachylocrinus jesupi* (Whitfield, 1881). Springer, 1926b, p. 71. Bassler and Moodey, 1943, p. 334.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Blothrocrinus litvinovitschae* Yakovlev, 1954a, p. 113, Figs. 1-3. Arendt and Hecker, 1964, p. 88, Pl. 10, fig. 3. Webster, 1973, p. 67.

Mississippian, Viséan. Russia, central Kazakhstan

- Blothrocrinus longidactylus* (Austin and Austin, 1847). Wright, J., 1951a, p. 36, Pls. 8, figs. 5-6; 10, figs. 1, 3. Webster, 1973, p. 67. Donovan, 1992c, p. 37, Fig. 3, no. F. Ausich and Sevastopulo, 2001, p. 103, Pl. 11, figs. 6-12; Fig. 12, no. G.
- Poteriocrinus longidactylus* Austin and Austin, 1847, p. 88, Pl. 11, fig. 3a. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 581. Wright, J., 1951a, p. 36. Ausich and Sevastopulo, 2001, p. 103.
- Isocrinites longidactylus* Austin and Austin, 1842, p. 108. Bassler and Moodey, 1943, p. 703. Ausich and Sevastopulo, 2001, p. 103.
- Poteriocrinus abbreviatus* Austin and Austin, 1847. Ausich and Sevastopulo, 2001, p. 103.
- Poteriocrinus rugosus* Grenfell, 1876 (*non* Shumard, 1858), p. 479, Pl. 7, figs. 3-5. Bassler and Moodey, 1943, p. 644. Wright, J., 1951a, p. 39. Webster, 1973, p. 67. Ausich and Sevastopulo, 2001, p. 103.
- Poteriocrinites rugosus* (Grenfell, 1876). Bassler and Moodey, 1943, p. 644.
- Pachylocrinus longidactylus* (Austin and Austin, 1847). Bassler and Moodey, 1943, p. 581.
- Pachylocrinus* aff. *longidactylus* (Austin and Austin, 1843). Ausich and Sevastopulo, 2001, p. 103.
- Poteriocrinus* (*Scaphiocrinus*) *longidactylus* (Austin and Austin, 1843). Ausich and Sevastopulo, 2001, p. 103.
- Encrinus* sp. Cumberland, 1821, p. 90, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 582.
- Encrinus* Cumberland, 1821 (part). Ausich and Sevastopulo, 2001, p. 103.
- Cladocrinites longidactylus* (Austin and Austin, 1842). Austin and Austin, 1843, p. 197. Bronn, 1848, p. 304. Bassler and Moodey, 1943, p. 703. Ausich and Sevastopulo, 2001, p. 103.
- Taxocrinus longidactylus* (Austin and Austin, 1843). Morris, J., 1843, p. 59. Bronn, 1848, p. 1217. Springer, 1920a, p. 383. Bassler and Moodey, 1943, p. 703. Ausich and Sevastopulo, 2001, p. 103.
- Taxocrinus brevidactylus* (Austin and Austin, 1843). Bronn, 1848, p. 1217. Ausich and Sevastopulo, 2001, p. 103.
- Blothrocrinus brevidactylus* (Austin and Austin, 1843). Wright, J., 1951a, p. 38, Pl. 10, fig. 6. Webster, 1973, p. 67. Ausich and Sevastopulo, 2001, p. 103.
- Blothrocrinus rugosus* (Grenfell, 1878). Wright, J., 1951a, p. 39, Pl. 10, fig. 5. Webster, 1973, p. 67. Ausich and Sevastopulo, 2001, p. 103.
- Poteriocrinus rugosus* Grenfell, 1876 (*non* Shumard, 1858), p. 479, Pl. 7, figs. 3-5. Bassler and Moodey, 1943, p. 644. Wright, J., 1951a, p. 39. Webster, 1973, p. 67.
- Poteriocrinites rugosus* (Grenfell, 1876). Bassler and Moodey, 1943, p. 644.
- Cladocrinites brevidactylus* Austin and Austin, 1843, p. 198. Bronn, 1848, p. 304. Bassler and Moodey, 1943, p. 579. Wright, J., 1951a, p. 38. Webster, 1973, p. 67. Ausich and Sevastopulo, 2001, p. 103.
- Pachylocrinus brevidactylus* (Austin and Austin, 1843). Wright, J., 1934, p. 257, Pl. 15, fig. 7. Bassler and Moodey, 1943, p. 579.
- Poteriocrinus abbreviatus* Austin and Austin, 1845, p. 89, Pl. 11, fig. 4a. Springer, 1920a, p. 383. Bassler and Moodey, 1943, p. 579.
- Taxocrinus*?? *longidactylus* (Austin and Austin, 1843). Bassler and Moodey, 1943, p. 703. Ausich and Sevastopulo, 2001, p. 103.

Mississippian, late Tournaisian, Hook Head Formation, uppermost part of Supradolomite Beds, *Linoproductus* Beds, *Chonetes* Beds. Ireland, United Kingdom, Scotland

*Blothrocrinus rugosus* (Grenfell, 1878) = *Blothrocrinus longidactylus*

*Blothrocrinus spartarius* (Miller and Gurley, 1890). Kirk, 1940c, p. 322. Bassler and Moodey, 1943, p. 334. Moore and Laudon, 1944, p. 158, Pl. 58, fig. 4. Webster, 1973, p. 67. Webster, 1977, p. 48.

*Poteriocrinus spartarius* Miller and Gurley, 1890b, p. 37, Pl. 7, fig. 1. Miller and Gurley, 1891, p. 355, Pl. 7, fig. 1. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 334.

*Pachylocrinus spartarius* (Miller and Gurley, 1890). Springer, 1926b, p. 71. Laudon and Beane, 1937, p. 254, Pls. 18, fig. 2; 19, fig. 5. Bassler and Moodey, 1943, p. 334. Boyt, 1962, Unnum. Fig. p. 11. Webster, 1977, p. 48.

*Poteriocrinus genista* Miller and Gurley, 1890b, p. 38, Pl. 7, fig. 3. Miller and Gurley, 1891, p. 357, Pl. 7, fig. 3. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 334.

*Poteriocrinus scopae* Miller and Gurley, 1890b, p. 38, Pl. 7, fig. 2. Miller and Gurley, 1891, p. 356, Pl. 7, fig. 2. Miller and Gurley, 1894, p. 33, Pl. 3, figs. 1-2. Weller, S., 1898c, p. 477. Bassler and Moodey, 1943, p. 335.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Blothrocrinus swallowi* (Meek and Worthen, 1860). Kirk, 1940c, p. 322. Bassler and Moodey, 1943, p. 335. Moore and Laudon, 1944, p. 158, Pl. 58, fig. 11. Ubaghs, 1953, p. 692, Fig. 33, no. j. Webster, 1973, p. 67. Ubaghs in Moore and Teichert, 1978, p. T208, Fig. 175, no. 4. Webster, 1986, p. 78. Lee, Ausich, and Kammer, 2005, p. 349, Figs. 2.10-2.11.

*Poteriocrinus swallowi* Meek and Worthen, 1860, p. 394. Meek and Worthen, 1866a, p. 183, Pl. 16, figs. 4a-4b; Fig. 3. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 549. Bassler and Moodey, 1943, p. 335.

*Scaphiocrinus swallowi* (Meek and Worthen, 1860). Bather, 1890c, p. 388, Pl. 15, fig. 12. Weller, S., 1898c, p. 549. Bassler and Moodey, 1943, p. 335.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Nada Member, Borden Formation. United States, Iowa, Kentucky

*Blothrocrinus thorntonensis* Wright, J., 1952b, p. 322, Pl. 13, fig. 9. Wright, J., 1960, p. 331, Appendix, Pl. B, fig. 2. Webster, 1973, p. 67.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

*Blothrocrinus wrighti* Ausich and Sevastopulo, 2001, p. 105, Pl. 11, figs. 13-14; Fig. 12, nos. H-J, K.

*Blothrocrinus impressus* (Phillips, 1836); Wright, 1951 (part). Ausich and Sevastopulo, 2001, p. 105.

Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Blothrocrinus yazdii* Webster et al., 2003, p. 27, Fig. 16.1.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Blothrocrinid indeterminate Webster et al., 2011, p. 42, Fig. 7, nos. n-p.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Blothrocrinus* n. sp. Undesignated Webster, 1997, p. 27, Pl. 8, fig. 7A.  
Mississippian, Tournaisian (Kinderhookian), Gardison Limestone. United States,  
Utah

*Blothrocrinus* spp.

Laudon, Parks, and Spreng, 1952, p. 553, Pl. 65, fig. 27. Webster, 1973, p. 67.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Laudon, Parks, and Spreng, 1952, p. 553, Pl. 65, figs. 23, 33. Webster, 1973, p. 67.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Laudon, Parks, and Spreng, 1952, p. 553, Pl. 65, figs. 26. Webster, 1973, p. 67.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Gahn, 1995, p. 120, Fig. 6, no. 1.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United  
States,

Idaho

Webster and Hafley *in* Webster *et al.*, 1999, p. 469, Figs. 3.1-3.3, 3.6.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United  
States, Colorado

**BOGOTACRINUS** Schmidt, 1937. \**B. scheibei* Schmidt, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
Hapalocrinidae

Schmidt, W. E., 1937, p. 5. Bassler, 1938, p. 53. Bassler and Moodey, 1943, p.

335. Moore and Laudon, 1943b, p. 101. Ubaghs, 1953, p. 743. Webster, 1973,

p. 67. Ubaghs *in* Moore and Teichert, 1978, p. T510. Webster, 1986, p. 78.

Webster, 1993, p. 31.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Emsian-Eifelian species

Devonian, Emsian - Eifelian. Columbia

\**Bogotacrinus scheibei* Schmidt, W. E., 1937, p. 5, Pl. 2, figs. 14-17. Bassler, 1938, p.

53. Bassler and Moodey, 1943, p. 335. Ubaghs *in* Moore and Teichert, 1978,

p. T510, Fig. 313, no. 2. Webster, 1986, p. 78. McIntosh, 1987a, p. 750, Figs. 2-

5. Webster, 1993, p. 31.

Devonian, Emsian - Eifelian, Floresta Formation. Columbia

**BOHEMICOCRINUS** Waagen and Jahn, 1899. \**B. pulverens* Waagen and Jahn, 1899.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Carpocrinidae

Waagen and Jahn, 1892, p. 416. Waagen and Jahn, 1899, p. 15. Bather, 1900b, p.

106. Bather *in* Lankester, p. 202. Bassler, 1938, p. 53. Bassler and Moodey,

1943, p. 335. Ubaghs, 1953, p. 740. Webster, 1973, p. 67. Ubaghs *in* Moore

and Teichert, 1978, p. T464. Webster, 1986, p. 78. Webster, 1988, p. 44.

Webster, 1993, p. 31. Lane and Ausich, 1995, p. 1100. Prokop, 2002c, p. 27.  
*BOHEMIOCRINUS* Sharpe, 1899, p. 3. Bassler, 1938, p. 53. Bassler and Moodey,  
 1943, p. 335.

*VLETAVICRINUS* Waagen and Jahn, 1899, p. 98. \**V. haueri* Waagen and Jahn,  
 1899. Bather, 1900b, p. 109. Bather *in* Lankester, 1900, p. 204. Bassler, 1938,  
 p. 191. Bassler and Moodey, 1943, p. 722. Ubaghs *in* Moore and Teichert,  
 1978, p. T464. Webster, 1986, p. 78.

Named, currently recognized species based on cups or crowns: 2 Silurian, 1  
 Pridolian, 1 Ludlovian

Silurian, Pridoli. Czech Republic, Bohemia  
 Silurian, Ludlovian. United States, Indiana

*Bohemiocrinus haueri* (Waagen and Jahn, 1899) = \**Bohemiocrinus pulverens*

*Bohemiocrinus nodosus* Webster and Gupta, 1985, p. 62, Fig. 4, nos. a-c. Webster,  
 1988, p. 44.

Desmidocrinidae indet. Gupta and Webster, 1980, p. 11, Pl. 1, figs. 6-8. Webster  
 and Gupta, 1985, p. 63. Webster, 1986, p. 125. Webster, 1988, p. 44.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a. Not included in  
 species count.

Late Silurian, uppermost beds of Karsha Formation?. India?, Ladakh?

*Bohemiocrinus? occidentis* Lane and Ausich, 1995, p. 1101, Figs. 2.4, 3.1-3.2.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United  
 States, Indiana

\**Bohemiocrinus pulverens* (Waagen and Jahn, 1899). Bassler, 1938, p. 53. Bassler  
 and Moodey, 1943, p. 335. Ubaghs *in* Moore and Teichert, 1978, p. T464, Fig.  
 271, nos. 1a-1c. Webster, 1986, p. 79. Prokop and Petr, 1990, p. 42, Pl. 1, figs.  
 3-4. Webster, 1993, p. 31. Prokop, 2002c, p. 27, Figs. 2, 4, nos. 3-5.

*Encrinites pulverens* Waagen and Jahn, 1899, p. 19, Pls. 57, 61-62. Prokop and  
 Petr, 1990, p. 42.

*Bohemiocrinus pulvereus* (Waagen and Jahn, 1899). Bather, 1900b, p. 106, Fig.  
 2.

*Vletavicrinus haueri* Waagen and Jahn, 1899, p. 102, Pl. 61. Bather, 1900b, p.  
 109, Fig. 4. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 722. Ubaghs  
*in* Moore and Teichert, 1978, p. T474. Webster, 1986, p. 79. Prokop and Petr,  
 2001a, p. 105, Fig. 1. Prokop, 2002c, p. 27, Figs. 1, 4, nos. 1-2.

*Bohemiocrinus haueri* (Waagen and Jahn, 1899). Ubaghs *in* Moore and Teichert,  
 1978, p. T464, Fig. 271, no. 1d. Webster, 1986, p. 79.

Silurian, Pridolian, Pridoli Formation, Black Limestone of Dvorce. Czech  
 Republic, Bohemia

*Bohemiocrinus pulvereus* (Waagen and Jahn, 1899) = *Bohemiocrinus pulverens*

*BOHEMIOCRINUS* Sharp, 1899 = **BOHEMIOCRINUS**

**BOLBOCRINUS** Wanner, 1916. \**B. hieroglyphicus* Wanner, 1916.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Wanner, 1916, p., 115. Wanner, 1924, p. 140. Diener, 1927, p. 11. Wanner, 1930,  
p.

4. Bassler, 1938, p. 53. Bassler and Moodey, 1943, p. 335. Branson, C. C.,  
1948, p. 181. Moore and Laudon, 1943b, p. 50. Arendt and Hecker, 1964, p. 84.  
Lane,  
N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 108. Webster, 1973, p. 68.  
Webster, 1977, p. 48. Lane and Moore *in* Moore and Teichert, 1978, p. T599.  
Webster, 1986, p. 79.

Named, currently recognized species based on cups or crowns: 8 Permian species,  
4 subspecies. 1 Artinskian, 7 series uncertain; 4 subspecies series uncertain  
Permian, series uncertain. Timor  
Permian, Artinskian. Russia

*Bolbocrinus curvatus* Marez Oyens, 1940a, p. 319, Pl. 3, fig. 8. Bassler and Moodey,  
1943, p. 335. Branson, C. C., 1948, p. 181.  
Permian, series uncertain. Timor, Noko (Basleo)

*Bolbocrinus eudoxiae* Yakovlev, 1927b, p. 184, Pl. 6, figs. 11-11c. Bassler and  
Moodey, 1943, p. 335. Branson, C. C., 1948, p. 181. Yakovlev *in* Yakovlev and  
Ivanov, 1956, p. 55, Pl. 9, figs. 12-14. Arendt and Hecker, 1964, p. 84, Pl. 9, fig.  
1. Arendt, 1970a, p. 109, Pl. 1, figs. 1-3; Fig. 17. Webster, 1973, p. 68. Webster,  
1977, p. 48.  
Permian, Artinskian, Divya Suite. Russia, Priurals

\**Bolbocrinus hieroglyphicus* Wanner, 1916, p. 115, Pl. 102 (7), fig. 16; Fig. 30. Diener,  
1927, p. 11, Pl. 2, figs. 8a-8b. Bassler, 1938, p. 53. Bassler and Moodey, 1943,  
p. 335. Branson, C. C., 1948, p. 181. Arendt and Hecker, 1964, p. 84, Pl. 9, fig.  
2; Fig. 122. Arendt, 1970a, p. 111, Fig. 16. Webster, 1973, p. 68. Webster, 1977,  
p. 48. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Figs. 384, no. 5;  
387, nos. 3a-3c. Webster, 1986, p. 79.

*Bolbocrinus hieroglyphicus typus* Wanner, 1924, p. 142. Wanner, 1930, p. 4, Pl. 1,  
figs. 5-6. Bassler and Moodey, 1943, p. 335. Branson, C. C., 1948, p. 181.  
Permian, series uncertain. Timor, Basleo

*Bolbocrinus hieroglyphicus exornatus* Wanner, 1924, p. 143, Pl. 7, figs. 21-23. Bassler  
and Moodey, 1943, p. 335. Branson, C. C., 1948, p. 181.  
Permian, series uncertain. Timor, Basleo

*Bolbocrinus hieroglyphicus tenuisculptus* Wanner, 1924, p. 143, Pl. 7, figs. 3-4.  
Bassler and Moodey, 1943, p. 335. Branson, C. C., 1948, p. 181.  
Permian, series uncertain. Timor, Basleo

*Bolbocrinus hieroglyphicus tuberculatus* Wanner, 1916. Wanner, 1924, p. 142.  
Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 181. Arendt,  
1970a, p. 111, Pl. 1, figs. 4-5. Webster, 1977, p. 48.

*Bolbocrinus tuberculatus* Wanner, 1916, p. 117, Pl. 102 (7), fig. 17. Bassler and  
Moodey, 1943, p. 336. Branson, C. C., 1948, p. 181.

Permian, series uncertain. Timor

*Bolbocrinus hieroglyphicus typus* Wanner, 1924 = *Bolbocrinus hieroglyphicus*

*Bolbocrinus irregularis* Wanner, 1916, p. 125, Pl. 102 (7), fig. 19; Fig. 31. Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 181.

Permian, series uncertain. Timor, Basleo

*Bolbocrinus pusillus* Wanner, 1916, p. 124, Pl. 102 (7), fig. 18. Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 181.

Permian, series uncertain. Timor, Basleo

*Bolbocrinus rex* Wanner, 1916, p. 119, Pl. 101 (6), fig. 1. Wanner, 1924, p. 145, Pl. 7, figs. 1-2. Wanner, 1930, p. 5, Pl. 1, fig. 7. Bassler and Moodey, 1943, p. 336. Branson, 1948, p. 181. Arendt, 1970a, p. 113, Pl. 1, figs. 6-7. Webster, 1977, p. 48. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Fig. 387, nos. 3d-3e. Webster, 1986, p. 79.

Permian, series uncertain. Timor, Noil Tonini

*Bolbocrinus tuberculatus* Wanner, 1916 = *Bolbocrinus hieroglyphicus tuberculatus*

*Bolbocrinus turbinatus* Wanner, 1924, p. 145, Pl. 7, figs. 16-20; Fig. 10. Wanner, 1930, p. 5; Fig. 1. Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 182.

Permian, series uncertain. Timor, Basleo

*Bolbocrinus waldthauseniae* Wanner, 1916, p. 122, Pl. 101 (6), figs. 2-3. Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 182.

Permian, series uncertain. Timor, Koeafeoe

*Bolbocrinus waldthauseniae basleoensis* Wanner, 1916, p. 124, Pl. 101 (6), fig. 4. Bassler and Moodey, 1943, p. 336. Branson, C. C., 1948, p. 182.

Permian, series uncertain. Timor, Basleo

cf. *Bolbocrinus* spec. nov. 1 Wanner, 1916, p. 129, Pl. 101(6), fig. 10 (radial). Facetals Moore, 1939b, p. 218, Fig. 10, no. 1.

Permian, series uncertain. Timor, Basleo

cf. *Bolbocrinus* spec. nov. 2 Wanner, 1916, p. 129, Pl. 101(6), fig. 9 (radial). Facetals Moore, 1939b, p. 218, Fig. 10, no. 2.

Permian, series uncertain. Timor, Niki Niki

**BOLBOPORITES** Pander, 1830. \**B. mitralis* Pander, 1830.

Classification uncertain

Pander, 1830, p. 106. Bronn, 1848, p. 170. Edwards and Haime, 1851, p. 246.

Eichwald, 1860, p. 495. Wanner, 1920, p. 705. Bassler, 1915, p. 128. Bassler and Moodey, 1943, p. 336.

Named, currently recognized species based on cups or crowns: 6 Ordovician species, 5 Floian, 1 Sandbian-Katian

Ordovician, Sandbian – Katian (Champlainian). North America  
Ordovician, Floian (B2). Russia

*Bolboporites americanus* Billings, E., 1859c, p. 429, Figs. 3-6. Billings, E., 1863, p. 124, Fig. 124, nos. a-d. Chapman, E. J., 1863a, p. 195, Fig. 165, no. b. Chapman, E. J., 1863b, p. 167, Fig. 165, no. b. Miller, S. A., 1889, p. 174, Fig. 140. Ruedemann, 1901, p. 11, Pl. 1, fig. 1. Bassler, 1915, p. 128. Bassler and Moodey, 1943, p. 336.

Ordovician, Sandbian – Katian (Champlainian), Aylmer Formation, Mingan Formation; Day Point Limestone, Rysedorph Conglomerate. Canada, Ontario, Quebec; United States, New York

\**Bolboporites mitralis* Pander, 1830, p. 107, Pl. 2, figs. 4a-4b. Bronn, 1848, p. 170. Wanner, 1920, Unnum. Pl., figs. 14-15. Bassler, 1938, p. 53. Bassler and Moodey, 1943, p. 336.

Ordovician, Floian (B2), Glauconite Limestone. Russia, St. Petersburg vicinity

*Bolboporites semiglobosus* Pander, 1830, p. 107, Pl. 2, fig. 1. Bronn, 1848, p. 170. Bassler and Moodey, 1943, p. 337.

Ordovician, Floian (B2), Glauconite Limestone. Russia, St. Petersburg vicinity

*Bolboporites stellifer* Eichwald, 1860, p. 496, Pl. 27, figs. 13a-13d. Bassler and Moodey, 1943, p. 337.

Ordovician, Floian (B2), Glauconite Limestone. Russia, probably St. Petersburg vicinity

*Bolboporites triangularis* Pander, 1830, p. 107, Pl. 2, fig. 2. Bronn, 1848, p. 170. Bassler and Moodey, 1943, p. 337.

Ordovician, Floian (B2), Glauconite Limestone. Russia, probably St. Petersburg vicinity

*Bolboporites uncinata* Pander, 1830 = *Bolboporites uncinatus*

*Bolboporites uncinatus* Pander, 1830, p. 107, Pl. 2, fig. 3. Bassler and Moodey, 1943, p. 337.

*Bolboporites uncinata* Pander, 1830. Bronn, 1848, p. 170.

Ordovician, Floian (B2), Glauconite Limestone. Russia, probably St. Petersburg vicinity

**BOLICRINUS** Witzke and Strimple, 1981. \**B. globosus* Witzke and Strimple, 1981. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae

Witzke and Strimple, 1981, p. 117. Webster, 1988, p. 44.

Named, currently recognized species based on cups or crowns: 2 Silurian, Llandoveryian species

Silurian, Llandoveryian. United States, Iowa



*Bolicrinus deflatus* Witzke and Strimple, 1981, p. 119, Pl. 2, figs. 24-26; Fig. 9, nos. B-C. Webster, 1988, p. 44.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

\**Bolicrinus globosus* Witzke and Strimple, 1981, p. 118, Pl. 2, figs. 15-23, Fig. 9, no. A. Webster, 1988, p. 44.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

**BOLIVIACRINUS** McIntosh, 1988. \**B. isaacsoni* McIntosh, 1988.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae

McIntosh, 1988, p. 623. Webster, 1993, p. 31.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Bolivia

\**Boliviocrinus isaacsoni* McIntosh, 1988, p. 623, Figs. 1-2. Webster, 1993, p. 31.

Devonian, Eifelian, Sicasica Formation. Bolivia

**BOLLANDOCRINUS** Wright, 1951. \**Poteriocrinus conicus* Phillips, 1836.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Wright, J., 1951b, p. 62. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 68.

Moore and Strimple *in* Moore and Teichert, 1978, p. T640. Webster, 1986, p.

79. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 470.

Chen and Yao, 1993, p. 64. Webster, 1993, p. 31. Donovan and Lewis, 2003, p. 3.

Named, currently recognized species based on cups or crowns: 4 Mississippian species. 1 Tournaisian, 1 Tournaisian- ?Viséan, 2 Viséan

Mississippian, Tournaisian - Viséan. United Kingdom

Mississippian, Tournaisian. China

\**Bollandocrinus conicus* (Phillips, 1836). Wright, J., 1951b, p. 63, Pl. 14, figs. 1-10, 14-16. Cain, 1968, p. 196, Fig. 1, no. viii. Webster, 1973, p. 68. Moore and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 418, no. 4a. Webster, 1986, p. 79. Donovan, 1992c, p. 37, Fig. 3, nos. N-O. Donovan and Lewis, 2003, p. 4, Pl. 4, fig. 6. Hauser, 2001, p. 123, Fig. 105.

*Poteriocrinus conicus* Phillips, 1836 (part), p. 205, Pl. 4, figs. 3, 7. de Koninck, 1842-1844, p. 47, Pl. F, figs. 5a-5g (infrabasal circlet, holdfast and pluricolumnals). Gilbertson *in* Portlock, 1843, p. 350, Pl. 16, fig. 12. Austin and Austin, 1847, p. 82, Pl. 10, figs. 3a-3c. Bronn, 1848, p. 1035. d'Orbigny, 1850, p. 156. Baily, 1875, Pl. 36, fig. 7. Bassler and Moodey, 1943, p. 639. Wright, J., 1951b, p. 63. Webster, 1973, p. 68.

*Pachylocrinus conicus* (Phillips, 1836). Wright, J., 1942, p. 274 (part). Wright, J., 1947, p. 102 (part).

*Poteriocrinites conicus* (Phillips, 1836). Bassler and Moodey, 1943, p. 639.

Mississippian, Tournaisian - ?Viséan, Mountain Limestone. United Kingdom, Scotland; Belgium; Ireland

*Bollandocrinus cravenensis* (Wright, 1942). Wright, J., 1951b, p. 64, Pl. 17, fig. 18. Webster, 1973, p. 68.

*Pachylocrinus cravenensis* Wright, J., 1942, p. 274, Pl. 11, fig. 17. Webster, 1973, p. 68.  
Mississippian, Viséan. United Kingdom

*Bollandocrinus erectus* Wright; Chen and Yao, 1993 = ?*Bollandocrinus erectus*

*Bollandocrinus erectus* Wright, J., 1951b, p. 64, Pl. 14, figs. 11-13. Webster, 1973, p. 68. Moore and Strimple in Moore and Teichert, 1978, p. T640, Fig. 418, nos. 4b-4c. Webster, 1986, p. 79..

*Poteriocrinus conicus* Phillips, 1843, Pl. 16, fig. 12 only. Wright, J., 1947, p. 103. Wright, J., 1951b, p. 64. Webster, 1973, p. 68.

*Pachylocrinus conicus* (Phillips, 1836). Wright, J., 1942, p. 274, Pl. 10, figs. 9-10, 12. Wright, J., 1947, p. 102, Pl. 3, figs. 8-10. Webster, 1973, p. 188.  
Mississippian, Viséan. United Kingdom, Scotland

?*Bollandocrinus erectus* Wright, 1951. Webster, Waters, and Chen, 2009, p. 154, Fig. 10, nos. m-p.

*Bollandocrinus erectus* Wright, 1951; Chen and Yao, 1993, p. 64, Pl. 12, figs. 13-14. Webster, Waters, and Chen, 2009, p. 154.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Bollandocrinus?* sp.

Kammer and Ausich, 1992, p. 470, Fig. 3.5.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois  
Chen and Yao, 1993, p. 65, Pl. 12, fig. 15.

Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province

**BORUCRINUS** Ausich and Sevastopulo, 2001. \**Dinotocrinus eirensis* Wright, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Ausich and Sevastopulo, 2001, p. 118.

Named, currently recognized species based on cups or crowns: 5 Mississippian, Tournaisian species

Mississippian, Tournaisian. Ireland; Canada, Alberta; United States, Montana

*Borucrinus albertaensis* (Laudon, Parks, and Spreng, 1952). Ausich and Sevastopulo, 2001, p. 119, Tab. 35.

*Dinotocrinus albertaensis* Laudon, Parks, and Spreng, 1952, p. 554, Pls. 65, fig. 32; 69, fig. 5. Webster, 1973, p. 111. Ausich and Sevastopulo, 2001, p. 119.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

- Borucrinus alvestonensis* (Wright, 1951). Ausich and Sevastopulo, 2001, p. 119, Tab. 35.  
*Dinotocrinus alvestonensis* Wright, J., 1951b, p. 71, Pl. 13, fig. 5. Webster, 1973, p. 111. Ausich and Sevastopulo, 2001, p. 119.  
 Mississippian, Tournaisian. United Kingdom
- \**Borucrinus eirensis* (Wright, 1951). Ausich and Sevastopulo, 2001, p. 119, Pl. 13, figs. 4-5, 12-13; Fig. 14, no. E.  
*Dinotocrinus eirensis* Wright, J., 1951b, p. 70, Pl. 13, fig. 1. Webster, 1973, p. 111. Ausich and Sevastopulo, 2001, p. 119.  
*Cyathocrinus inequidactylus* M'Coy; Smyth, 1930. Ausich and Sevastopulo, 2001, p. 119.  
*Pachylocrinus latifrons* (Austin); Wright, J., 1934, p. 256, Pl. 15, figs. 9-10, 16. Bassler and Moodey, 1943, p. 581. Ausich and Sevastopulo, 2001, p. 119.  
*Pachylocrinus? skinneri* Wright, J., 1951b, p. 68, Pl. 31, fig. 4. Webster, 1973, p. 188. Ausich and Sevastopulo, 2001, p. 119.  
 Mississippian, Tournaisian, Hook Head Formation, *Michelinia* Beds, Supradolomite Beds. Ireland
- Borucrinus logani* (Laudon and Severson, 1953). Ausich and Sevastopulo, 2001, p. 119, Tab. 35.  
*Dinotocrinus logani* Laudon and Severson, 1953, p. 516, Pls. 51, figs. 23-27; 55, figs. 12-14. Webster, 1973, p. 111. Gahn, 1995, p. 122, Fig. 6, no. 3. Ausich and Sevastopulo, 2001, p. 119.  
 Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation. United States, Montana
- Borucrinus? pergracilis* (Wright, 1951). Ausich and Sevastopulo, 2001, p. 119, Tab. 35.  
*Dinotocrinus pergracilis* Wright, J., 1951b, p. 72, Pl. 30, fig. 8. Webster, 1973, p. 111. Ausich and Sevastopulo, 2001, p. 119.  
 Mississippian, ?Tournaisian. United Kingdom
- BOTHRYOCRINUS** Zittel, 1895 = **BOTRYOCRINUS**
- Bothryocrinus decadactylus* (Bather, 1891) = *Botryocrinus decadactylus* = *Dictenocrinus decadactylus*
- Botryocrinid indeterminate Webster et al., 2003, p. 10, Fig. 6.9.  
 Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- BOTRYOCRINUS** Angelin, 1878. \**B. ramosissimus* Angelin, 1878  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae  
 Angelin, 1878, p. 24. Zittel, 1880, p. 343, 352. Wachsmuth and Springer, 1879, p. 320. Wachsmuth and Springer, 1880, p. 97. Bather, 1890b, p. 324. Bather, 1891b, p. 389. Bather, 1892e, p. 104. Bather, 1893a, p. 116. Koken, 1896, p. 281. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 157.

Weller, S., 1900, p. 65. Bather, 1906, p. 93. Grabau and Shimer, 1910, p. 506. Springer *in* Zittel, 1913, p. 221. Bassler, 1915, p. 130. Haarmann, 1920, p. 7. Springer, 1926a, p. 137. Schmidt, W. E., 1934, p. 92. Edwards, 1936, p. 58, Fig. 12 (diagramatic). Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 337. Moore and Laudon, 1943b, p. 54, Figs. 1, 5. Moore and Laudon, 1944, p. 155, Pl. 52, fig. 9. Cuénot, 1948, p. 61. Moore, 1950, p. 34, Fig. 4, no. d. Ubaghs, 1953, p. 751, Fig. 14, no. d. Arendt and Hecker, 1964, p. 86. Dubatolova, 1971, p. 30. Webster, 1973, p. 68. Webster, 1977, p. 48. Moore and Lane *in* Moore and Teichert, 1978, p. T613, Fig. 394, no. 6. McIntosh, 1983, p. 496. McIntosh, 1984, p. 1262. Webster, 1986, p. 79. Webster, 1988, p. 45. Webster, 1993, p. 31. Rozhnov, 2002, p. S560, Fig. 28 (diagramatic). LeMenn, 2009, p. 468 Fig. 23, no. a.

*BOTHRYOOCRINUS* Angelin, 1878. Zittel, 1895, p. 135.

*SICYOCRINUS* Angelin, 1878. p. 23. \**S. Cucurbitaceus* Angelin, 1878.

Wachsmuth and Springer, 1880 (1879), p. 62 (285). Zittel, 1880, p. 343, 352).

Zittel, 1895, p. 136. Bassler, 1938, p. 170.

Named, currently recognized species based on cups or crowns: 22 species, 2 subspecies. 6 Silurian species, 3 Niagaran, 3 Wenlockian; 16 Devonian species, 1 Lochkovian – Emsian, 4 Pragian (+1 subspecies), 1 Lochkovian – Emsian undesignated, 1 Emsian, 2 Eifelian, 8 Givetian, (+1 subspecies)

Middle Silurian, Niagaran - Middle Devonian, Givetian (Erian). North America

Middle Silurian, Wenlockian - Middle Devonian, Eifelian. Europe, Russia

*Botryocrinus arkonensis* Goldring, 1950 = \**Decorocrinus arkonensis*

*Botryocrinus americanus* Rowley, R. R., 1904b, p. 184, Pl. 54, figs. 12-14. Goldring, 1923, p. 367, Pl. 47, figs. 9-10. Bassler and Moodey, 1943, p. 337. Moore and Laudon, 1944, p. 155, Pl. 57, fig. 11. Webster, 1973, p. 68.

Devonian, Givetian (Erian), Hamilton Group. United States, Indiana

*Botryocrinus angularis* Goldring, 1954, p. 18, Pl. 2, figs. 5-7. Webster, 1973, p. 68.

Devonian, Givetian (Erian), Moscow Shale. United States, New York

*Botryocrinus arkonensis* Goldring, 1950, p. 31, Pls. 1, figs. 14-15; 2, figs. 1-8. Webster, 1973, p. 68.

Devonian, Givetian (Erian), Arkona Shale. Canada, Ontario

*Botryocrinus bellensis* Kesling, 1973, p. 34, Pls. 1-4; 5, figs. 1-3, 6-10; 6; 7, figs. 1-2, 10-12; Fig. 1. Webster, 1977, p. 48. Ubaghs *in* Moore and Teichert, 1978, p. T187, Fig. 158. Webster, 1986, p. 80.

Devonian, Givetian, Bell Shale. United States, Michigan

*Botryocrinus bethaniensis* Goldring, 1954 = \**Pyrenocrinus bethaniensis*

*Botryocrinus conoideus* Dubatolova, 1971, p. 31, Pl. 3, fig. 2; Fig. 7. Webster, 1977, p. 49.

Devonian, Eifelian. Russia, Altai Mountains

*Botryocrinus concinnus* Goldring, 1923 = *Nuxocrinus crassus*

*Botryocrinus consolidatus* Schmidt, 1942 = *Costalocrinus consolidatus*

*Botryocrinus corallum* Angelin, 1878 = *Botryocrinus ramosissimus*

*Botryocrinus costatus* Goldring, 1954 = *Nassoviocrinus costatus*

*Botryocrinus crassus* (Whiteaves, 1887) = *Nuxocrinus crassus*

*Botryocrinus cressus* (Whiteaves, 1887) = *Nuxocrinus crassus*

*Botryocrinus cucurbitaceus* (Angelin, 1878). Ubaghs, 1953, p. 751, Fig. 14, no. d. Bather, 1893a, p. 119, Pl. 6, figs. 180-193, Fig. 17, no. 2. Bassler and Moodey, 1943, p. 338. Webster, 1973, p. 69. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 94, no. 3. Moore and Lane *in* Moore and Teichert, 1978, p. T614, Fig. 398, nos. 1c-1e. McIntosh, 1984, p. 1262. Rozhnov, 1985b, p. 6, Fig. 2, no. v. Rozhnov, 1986, p. 3, Fig. 2, no. c. Webster, 1986, p. 80. Webster, 1988, p. 45. Webster, 1993, p. 31.

*Sicyocrinus cucurbitaceus* Angelin, 1878, p. 24, Pls. 4, fig. 6; 16, fig. 5. Trautschold, 1882, p. 141, Unnum. Figs. p. 141-142. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 337.

*Syciocrinus cucurbitaceus* (Angelin, 1878). Neumayr, 1889, p. 472, Fig. 142, no. a (sic).

Silurian, Wenlockian. Sweden, Isle of Gotland

*Botryocrinus cyathiformis* Haarmann, 1921 = *Dictenocrinus cyathiformis*

*Botryocrinus? cylindricus* (Hall), Goldring, 1948 = *Homocrinus cylindricus* = *Thalamocrinus cylindricus* = *T. strimplei*

*Botryocrinus dactylus* Schmidt, 1942 = *Botryocrinus* s. str. *dactylus*

*Botryocrinus* cf. *dactylus* Schmidt, W. E., 1942, p. 130, Pl. 26, fig. 7. Webster, 1973, p. 69.

Devonian, Pragian, Herdorf Schichten. Germany

*Botryocrinus* s. str. *dactylus* Schmidt, W. E., 1942, p. 130, Pl. 26, fig. 6. Webster, 1973, p. 69.

*Botryocrinus dactylus* Schmidt, 1942. McIntosh, 1984, p. 1262. Webster, 1973, p. 69. Webster, 1988, p. 45.

Devonian, Pragian (Siegenian), Herdorf Schichten. Germany

*Botryocrinus decadactylus* Bather, 1891 = *Cyathocrinus decadactylus* = *Dictenocrinus decadactylus*

- Botryocrinus doubleti* Kirk, 1913 = *Pyrenocrinus? doubleti*
- Botryocrinus (Bathericrinus) ericius* Schmidt, 1934 = *Dictenocrinus ericius*
- Botryocrinus helenae* Schmidt, 1942 = *Costalocrinus helenae*
- Botryocrinus (Bathericrinus) hystrix* Schmidt, 1934 = *Dictenocrinus hystrix*
- Botryocrinus irregularis* Haarmann, 1921, p. 8, Pl. 1, figs. 1a-1b. Schmidt, W. E., 1942, p. 114, Pls. 6, fig. 1; 26, fig. 5; Fig. 30. Webster, 1973, p. 69. McIntosh, 1984, p. 1262. Webster, 1988, p. 45.  
Devonian, Pragian (Siegenian), Herdorf Schichten. Germany
- Botryocrinus? jambus* Schmidt, W. E., 1942, p. 131, Pl. 26, fig. 4. Sieverts-Doreck, 1957, p. 66. Webster, 1973, p. 69. McIntosh, 1984, p. 1262. Webster, 1988, p. 45.  
Devonian, Pragian (Siegenian), Herdorf Schichten. Germany
- Botryocrinus longibrachiatus* Chapman, 1903 = *Nassoviocrinus longibrachiatus*
- Botryocrinus mirandus* Yeltyschewa, 1968, p. 33, Pls. 2, fig. 6; 3, figs. 1-4, 26. Webster, 1973, p. 69.  
Silurian, Lochkovian – Emsian undesignated, Borschov Horizon. Russia, Podolsky
- Botryocrinus montisguyonensis* Delpy, 1943, p. 15, Figs. 1-5 (incorrectly given as *B. montis-guyonensis*). Webster, 1973, p. 69. Le Menn, 1985, p. 86, Pl. 17, figs. 10-11; Fig. 79, no. A. Webster, 1986, p. 80. Webster, 1988, p. 45. Franke, C., 2012, p. 13, Pl. 5, figa. 1-3; Fig. 5.  
Devonian, early Emsian, Montguyon Formation;. France American Massif
- Botryocrinus nervus* Hauser, 2004. Hauser, 2007, p. 56, Fig. 1; p. 57, Fig. 1. Hauser, 2008, p. 18, Pl. 14, fig. 1; Figs. 25, 26.  
Devonian, Eifelian, Givetian, Ahbach Formation. Germany
- Botryocrinus niemani* Kesling, 1966, p. 273, Pl. 1, figs. 1-5; Fig. 1. Webster, 1973, p. 69. Kesling and Chilman, 1975, p. 162, Pls. 23, figs. 12-14; 51, fig. 4; 63, fig. 9; Unnum. Fig. p. 163. Webster, 1986, p. 80.  
Devonian, Givetian (Erian), Silica Formation. United States, Ohio, Michigan
- Botryocrinus nucleus* (Hall, 1877). Bather, 1893a, p. 104. Bassler, 1915, p. 130. Bassler and Moodey, 1943, p. 338.  
*Dendrocrinus nucleus* Hall, 1877, Pl. 15, figs. 7-9. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 130. Bassler and Moodey, 1943, p. 338.  
*Cyathocrinus nucleus* (Hall, 1877). Hall, 1879c, p. 136, Pl. 15, figs. 7-9. Hall, 1882b, p. 265, Pl. 14, figs. 7-9. Miller, S. A., 1889, p. 236. Bassler, 1915, p. 130.  
*Homocrinus nucleus* (Hall, 1877). Wachsmuth and Springer, 1886, p. 144 (220). Bassler, 1915, p. 130.

Silurian, Niagaran, Waldron Shale, Louisville Limestone. United States, Indiana, Kentucky

*Botryocrinus nycteus* (Hall, 1862). Goldring, 1923, p. 363, Pl. 47, figs. 3-6. Bassler and Moodey, 1943, p. 338. Moore and Laudon, 1944, p. 155, Pl. 57, figs. 9, 22. Webster, 1973, p. 69.

*Poteriocrinus nycteus* Hall, 1862a, p. 92. Hall, 1862b, p. 120. Shumard, 1868, p. 391. Hall, 1872c, Pl. 1-A, figs. 3-4. Miller, S. A., 1889, p. 275. Bassler and Moodey, 1943, p. 338.

Devonian, Givetian (Erian), Hamilton Group, Moscow Shale. United States, New York.

*Botryocrinus obconicus* Goldring, 1923 = *Bactrocrinites fieldi*

*Botryocrinus ornatus* Goldring, 1954 = *Nassoviocrinus? ornatus*

*Botryocrinus pachydactylus* (Sandberger and Sandberger, 1855). Schmidt, W. E., 1942, p. 124, Pls. 6, fig. 3; 18, fig. 2. Webster, 1973, p. 69.  
Devonian, Pragian (Coblenzian), Herdorf Schichten. Germany

*Botryocrinus pachydactylus* (Sandberger and Sandberger), Haarmann, 1921 = *Nassoviocrinus pachydactylus*

*Botryocrinus?* sp. cf. *pachydactylus* (Sandberger and Sandberger, 1855). Sieverts-Doreck, 1957a, p. 66. Webster, 1973, p. 69.  
Devonian, Pragian (Coblenzian), Herdorf Schichten. Germany

*Botryocrinus parvus* Strimple, 1963d, p. 63, Fig. 17, nos. a-b. Webster, 1973, p. 70.  
Silurian, Ludlovian (Niagaran), Henryhouse Formation. United States, Oklahoma

*Botryocrinus patellaris* Haarmann, 1921, p. 11, Pl. 1, figs. 2-3. Bassler and Moodey, 1943, p. 338. Schmidt, W. E., 1942, p. 114, Pl. 6, fig. 2. Webster, 1973, p. 70. McIntosh, 1984, p. 1262. Webster, 1988, p. 45.  
Devonian, Pragian (Siegenian), Herdorf Schichten. Germany

*Botryocrinus pinnulatus* Bather, 1891 = *Dictenocrinus pinnulatus*

*Botryocrinus polyxo* (Hall, 1863). Bather, 1893a, p. 105. Weller, S., 1900, p. 66, Pl. 14, fig. 12. Grabau and Shimer, 1910, p. 506. Bassler, 1915, p. 130. Springer, 1926a, p. 138, Pl. 31. Bassler and Moodey, 1943, p. 338. Moore and Laudon, 1944, p. 155, Pl. 54, fig. 22. Webster, 1973, p. 70.

*Cyathocrinus polyxo* Hall, 1863a, p. 5. Hall, 1864b, p. 199. Shumard, 1868, p. 363. Bigsby, 1868, p. 19. Hall, 1877, p. 135, Pl. 15, figs. 10-17. Hall, 1879a, p. 135. Hall, 1897b, Pl. 15, figs. 15-17. Hall, 1882b, p. 264, Pl. 14, figs. 10-17. Miller, S. A., 1889, p. 236. Bassler, 1915, p. 130. Bassler and Moodey, 1943, p. 338. Kahrs, 1995, p. 53, 2 Unnum. Figs.

*Homocrinus polyxo* (Hall, 1863). Wachsmuth and Springer, 1886, p. 144 (87). Bassler, 1915, p. 130.

Silurian, Niagaran, Waldron Shale, Racine Dolomite. United States, Indiana, Illinois

*Botryocrinus procerus* Haarmann, 1920 = *Dictenocrinus procerus*

*Botryocrinus quinquelobus* Bather, 1892b, p. 189, Pl. 11, figs. 1-2. Bassler and Moodey, 1943, p. 339.

*Cyathocrinus quinquangularis* (Bather), Phillips in Salter, 1873, p. 123. Bassler and Moodey, 1943, p. 339.

Silurian, Wenlockian, Wenlock Limestone. United Kingdom

*Botryocrinus ramosissimus* Angelin, 1878 = *Botryocrinus ramosissimus*

\**Botryocrinus ramosissimus* Angelin, 1878, p. 24, Pls. 20, fig. 8; 23, figs. 14. Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 339. Ubaghs in Moore and Teichert, 1978, p. T168, Fig. 139, no. 7. Moore and Lane in Moore and Teichert, 1978, p. T613, Fig. 398, nos. 1f-1i. McIntosh, 1984, p. 1262. Hauser, 2008, p. 18, Fig. 24.

*Botryocrinus ramosissimus* Angelin, 1878. Webster, 1986, p. 80.

*Botryocrinus corallum* Angelin, 1878, p. 24, Pls. 15, fig. 9a; 23, figs. 15-16a; 24, fig. 4. Bassler and Moodey, 1943, p. 339. Franke, C., 2012, p. 13, unfig. Late Silurian, Wenlockian. Sweden, Isle of Gotland

*Botryocrinus ramosus* Bather, 1891 = \**Bathericrinus ramosus*

*Botryocrinus reimanni* Goldring, 1934, p. 193, Pl. 2, figs. 8-12. Bassler and Moodey, 1943, p. 339. Goldring, 1950, p. 29, Pl. 1, figs. 1-11. Webster, 1973, p. 70. Devonian, Givetian (Erian), Ludlowville Group, Wanakah Shale; Arkona Shale. United States, New York; Canada, Ontario

*Botryocrinus reimanni granilineatus* Goldring, 1950 *nomen correctum*

*Botryocrinus reimanni* var. *granilineatus* Goldring, 1950, p. 30, Pl. 1, figs. 12-13. Webster, 1973, p. 70.

Devonian, Givetian (Erian), Dock Street Clay. United States, Michigan

*Botryocrinus schultzei* Haarmann, 1921 = *Nassoviocrinus schultzei*

*Botryocrinus schultzei goldenbergi* Schmidt, W. E., 1942, p. 119, Pls. 24, fig. 2; 25, fig. 9; Figs. 31, 32B, 33. Webster, 1973, p. 70.

Devonian, Pragian, Lower Coblenzian beds. Germany

*Botryocrinus* n. sp. aff. *schultzei* Haarmann, 1921. Schmidt, W. E., 1942, p. 123, Fig. 34. Webster, 1973, p. 70.

Devonian, Pragian (Coblenzian), Herdorf Schichten. Germany

*Botryocrinus* (*Bathericrinus*)? *semipinnulatus* Schmidt, 1934 = *Bathericrinus speciosus* = *Dictenocrinus speciosus*



*Botryocrinus sentosus* Goldring, 1923 = *Costalocrinus sentosus*

*Botryocrinus (Bathericrinus) spaciosus* Schmidt, 1934 = *Dictenocrinus spaciosus*

*Botryocrinus (Bathericrinus) speciosus* Schmidt, 1934 = *Dictenocrinus spaciosus*

*Botryocrinus (Dictenocrinus) spaciosus* Schmidt, 1934 = *Dictenocrinus spaciosus*

*Botryocrinus tenuidactylus* Springer, 1926a, p. 137, Pl. 31, fig. 9. Bassler and Moodey, 1943, p. 339.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Botryocrinus thomasi* Laudon, 1936, p. 62, Figs. 4-6. Bassler and Moodey, 1943, p. 339. Kesling, 1963, p. 233, Pls. 1-3; Figs. 1-2. Webster, 1973, p. 70.

Devonian, Givetian (Erian), Cedar Valley Limestone, Littleton Member; Thunder Bay Limestone. United States, Iowa, Michigan

*Botryocrinus* spp.

Kesling, 1973, p. 45, Pl. 5, figs. 4-5. Webster, 1977, p. 49.

Devonian, Givetian, Bell Shale. United States, Michigan

Südkamp, 1989a, p. 11, Fig. D-14.

Devonian, Emsian, Hunsrückschiefer. Germany

Hauser in Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 13.

Devonian, early Pragian, Nieva Formation. Spain

Hauser, 2007, p. 58, Figs. 2-3.

Devonian, Eifelian. Germany

?*Botryocrinus* sp. Branisa, 1965, Pl. 23, fig. 3. Webster, 1977, p. 49.

Early Devonian. Bolivia

**BOUSKACRINUS** Prokop, 2011 \**Bouskacrinus solus* Prokop, 2011

Sbc. Cladida, O. Dendrocrinida, F. Gasterocomidae

Prokop, 2011, p. 127.

Devonian, Pragian. Czech Republic

\**Bouskacrinus solus* Prokop, 2011, p. 128, Fig. 1, nos. a-c.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Barrandian area

**BRABEOCRINUS** Strimple and Moore, 1971. *B. christinae* Strimple and Moore, 1971.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.

Stellarocrinidae

Strimple and Moore, 1971a, p. 32. Strimple, 1973e, p. 19. Strimple, 1973g, p. 29.

Pabian and Strimple, 1974a, p. 297. Webster, 1977, p. 49. Moore, Strimple, and

Lane in Moore and Teichert, 1978, p. T669. Webster, 1986, p. 80.

Named, currently recognized species based on cups or crowns: 6 species. 4

Pennsylvanian, 1 Atokan, 2 Missourian, 1 Moscovian; 2 Permian, Wolfcampian

Pennsylvanian, Atokan - Missourian, - Permian, middle Wolfcampian. United States

- Brabeocrinus asiaensis* Webster et al., 2009a, p. 48, Fig. 3, nos. I-K.  
Family Pelecocrinidae genus and species, indeterminate Lane et al., 1996. Webster et al., 2009a, p. 48.  
Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang
- \**Brabeocrinus christinae* Strimple and Moore, 1971a, p. 32, Pls. 18, fig. 5; 19, figs. 1-5; Figs. 2, no. A; 6, no. 2. Strimple, 1973g, p. 29, Figs. 20, nos. 3-4. Webster, 1977, p. 49. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T669, Fig. 440, nos. 1a-1b. Webster, 1986, p. 80. Ausich *in* Hess et al., 1999 p. 155, Fig. 165.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois
- Brabeocrinus comptus* (Webster and Lane, 1967). Strimple and Moore, 1971a, p. 31. Webster, 1977, p. 49.  
*Stellarocrinus comptus* Webster and Lane, 1967, p. 13, Pl. 3, fig. 3. Strimple and Moore, 1971a, p. 31. Webster, 1973, p. 243. Webster, 1977, p. 49.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada
- Brabeocrinus cuneatus* (Lane and Webster, 1966). Strimple and Moore, 1971a, p. 31. Pabian and Strimple, 1974a, p. 298, Pl. 41, figs. 8-10. Webster, 1977, p. 49. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670, Fig. 440, nos. 1c-1f. Webster, 1986, p. 81.  
*Stellarocrinus cuneatus* Lane and Webster, 1966, p. 24, Pls. 3, figs. 5, 7; 13, fig. 21; fig. 7. Webster and Lane, 1967, p. 12. Strimple and Moore, 1971a, p. 31. Webster, 1973, p. 243. Webster, 1977, p. 49.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation; Red Eagle Formation, Bennett Shale Member. United States, Nevada, Oklahoma
- Brabeocrinus distinctus* (Strimple, 1940). Strimple and Moore, 1971a, p. 31. Webster, 1977, p. 49.  
*Stellarocrinus distinctus* Strimple, 1940c, p. 111, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 685. Strimple and Moore, 1971a, p. 31. Webster, 1977, p. 49.  
Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma
- Brabeocrinus primus* Strimple, 1975e, p. 9, Fig. 7, nos. 1-2. Webster, 1986, p. 81.  
*Stellarocrinus primus* (Strimple, 1975). Pabian and Rushlau, 2002, p. 37.  
Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma
- Brabeocrinus* sp. Strimple and Moore, 1971b, p. 12, Fig. 8, no. 3. Webster, 1977, p. 49.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma
- Brachial Donovan, 1986d, p. 60, Pl. 2, fig. 8. Webster, 1993, p. 31.  
Ordovician, Ashgillian, Arhiwlas Limestone. United Kingdom

*Brachial acutus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 19.  
Webster, 1973, p. 272.

Pennsylvanian, Desmoinesian, Mineral Coal cap. United States, Kansas

*Brachial sinus* (Moore and Plummer, 1939). Moore and Laudon, 1944, p. 209, Pl. 79,  
fig. 11. Webster, 1973, p. 272.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Arkansas

Brachial gen. et sp. indet. Sieverts-Doreck, 1951, p. 141. Webster, 1973, p. 272.  
Mississippian. Germany

Brachiale et l'ensemble des plaques couvrantes Termier, H. and Termier, G., 1974, p.  
32, Fig. 1. Webster, 1986, p. 322.

Devonian, Pragian. Morocco

Brachials Donovan, 2011c, p. 183, Fig. 1, nos. a-i.

Ordovician, Sandbian (early Caradocian). England, Shropshire

Brachials Gahn and Baumiller, 2010, p. 514f, Fig. 6.(diagrammatic)

Brachials gen. et sp. indet. Sieverts-Doreck, 1951, p. 138, Figs. 4-5. Webster, 1973,  
p. 272.

Mississippian. Germany

Brachials, Poteriocrinida Yakovlev, 1961, Pl. 2, fig. 7. Webster, 1973, p. 272.

Mississippian. Russia, Donetsk Basin

Brachiola Termier, H. and Termier, G., 1974, p. 34, Pl. 6, fig. 6. Webster, 1986, p.  
322.

Late Devonian or Mississippian. Morocco

Brachiola sp. Termier, H. and Termier, G., 1974, p. 30, Pl. 4, fig. 11. Webster, 1986, p.  
322.

Devonian, Famennian?. Morocco

**BRACHIOCRINUS** Hall, 1858. \**B. nodosarius* Hall, 1859.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Myelodactylidae  
Hall, 1858b, p. 278. Hall, 1859b, p. 118. Bassler, 1938, p. 54. Bassler and Moodey,  
1943, p. 567. Moore, 1962b, p. 43. Moore and Jeffords, 1968, p. 12, Fig. 4, no.  
1. Moore and Lane *in* Moore and Teichert, 1978, p. T552. Webster, 1986, p.  
81.

*BRACHYOCRINUS* Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 229.

*BRACHYOCRINUS* Shumard, 1868, p. 356. Zittel, 1880, p. 380.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Lochkovian species

Devonian, Lochkovian. United States, New York, Oklahoma

- \**Brachiocrinus nodosarius* Hall, 1859b, p. 118, Pls. 5, figs. 5-7; 6, figs. 1-3. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 229. Kirk, 1911, p. 48, Pl. 5, fig. 8. Goldring, 1923, p. 332, Pl. 41, figs. 1-4. Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 569. Moore, 1962b, p. 43, Pl. 3, fig. 5. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no. 4. Moore and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 344, no. 2. Webster, 1986, p. 81.
- Brachyocrinus nodosarius* Hall, 1859. Shumard, 1868, p. 356.
- Brachiocrinus (Myelodactylus) nodosarius* Hall, 1859. Talbot, 1905, p. 32, Pl. 4, figs. 7-8. Bassler and Moodey, 1943, p. 569.
- Herpetocrinus (Myelodactylus) nodosarius* (Hall, 1859). Ehrenberg, 1930a, p. 322, Pl. 15, figs. 6-9. Bassler and Moodey, 1943, p. 569.
- Myelodactylus nodosarius* (Hall, 1859). Springer, 1926a, p. 20, Pl. 5, figs. 1-8. Springer, 1926b, p. 87, Pl. 27, figs. 22-24. Bassler and Moodey, 1943, p. 569. Moore and Laudon, 1944, p. 145, Pl. 54, fig. 25. Strimple, 1963d, p. 26, Pl. 1, figs. 1-4; Fig. 3, no. a. Webster, 1973, p. 179.
- Devonian, Lochkovian (Helderbergian), New Limestone; Coeymans Limestone; Haragan Formation; Bois d'Arc Limestone. United States, New York, Oklahoma

*Brachiocrinus (Myelodactylus) nodosarius* Hall, 1859 = *Brachiocrinus nodosarius*

*BRACHMACRINUS* Arendt and Hecker, 1964 = ***BRAHMACRINUS***

*BRACHYIOCRINUS* Bigsby, 1868 = ***BRACHIOCRINUS***

*BRACHYOCRINUS* Zittel, 1880 = ***BRACHIOCRINUS***

*Brachyocrinus nodosarius* Hall, 1859 = *Brachiocrinus nodosarius*

*BRACHYPUS* Wanner, 1929 = ***PERMOBRACHYPUS***

*Brachypus adhaerens* Wanner, 1929 = *Permobrachypus adhaerens*

*BRAHAMACRINUS* Webster, 1993 = ***BRAHMACRINUS***

*Brahamacrinus ponderosus* Sollas, 1900 = *Brahmacrinus ponderosus*

***BRAHMACRINUS*** Sollas, 1900. \**B. ponderosus* Sollas, 1900.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinitidae

Sollas, 1900, p. 264. Springer *in* Zittel, 1913, p. 200. Springer, 1926a, p. 53.

Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 339. Moore and Laudon, 1943b, p. 98. Moore and Laudon, 1944, p. 200. Ubaghs, 1953, p. 743. Webster, 1973, p. 70. Lane *in* Moore and Teichert, 1978, p. T515. Chen, Z-t., 1984, p. 372.

Webster, 1986, p. 81. Lane and Sevastopulo, 1987, p. 205. Chen and Yao, 1993,

- p. 50. Webster, 1993, p. 31. Donovan and Lewis, 2003, p. 2. Ausich and Kammer, 2009, p. 706.
- BRACHMACRINUS** Arendt and Hecker, 1964, p. 98. Webster, 1973, p. 70.
- BRAHAMACRINUS** Webster, 1993, p. 31.
- Named, currently recognized species based on cups or crowns: 2 species. 1 Silurian Niagaran; 1 Mississippian, Tournaisian
- Mississippian, Viséan. United Kingdom, Scotland; China
- Silurian, Niagaran. United States, Indiana
- Brahmacrinus elongatus* Springer, 1926a, p. 53, Pl. 12, figs. 9-15. Bassler and Moodey, 1943, p. 340. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 2. Moore and Laudon, 1944, p. 200, Pl. 77, fig. 18. Webster, 1973, p. 70.
- Silurian, Niagaran, Laurel Limestone. United States, Indiana
- \**Brahmacrinus ponderosus* Sollas, 1900, p. 264, Pl. 16, figs. 1-2; Figs. 1-2. Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 340. Wright, J., 1955b, p. 260, Pl. 63, figs. 5-6, 13-16. Webster, 1973, p. 70. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 317, no. 5. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 7. Ausich and Kammer, 2009, p. 706.
- Brahamacrinus ponderosus* (Sollas, 1900). Webster, 1986, p. 81.
- Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland
- Brahmacrinus yunnanensis* Chen, 1984 = *Platycrinites* s.s. *xiyiensis*
- Bras Termier, G. and Termier, H., 1950, p. 226, Pl. 221, figs. 16-18. Webster, 1973, p. 272 (partial arm).
- Mississippian, late Viséan. Algeria
- Bras de Crinoïde pinnule Articulata Termier, G. and Termier, H., 1950, p. 222, Pl. 219, fig. 32. Webster, 1973, p. 272 (pinnules).
- Pennsylvanian, Westphalian. Algeria
- Bras d'un Crinoïde indéterminé Termier, G. and Termier, H., 1950, p. 216, Pl. 216, figs. 12-16. Webster, 1973, p. 272 (brachials).
- Pennsylvanian, Namurian. Algeria
- Bras? d'une espece dont le calice est inconnu Barrande, 1887 = *Ramseyocrinus? primus*
- Bras pinulifere Termier, G. and Termier, H., 1950, p. 226, Pl. 221, fig. 15. Webster, 1973, p. 272 (arm segment).
- Mississippian, late Viséan. Algeria
- BRECHMOCRINUS** Ausich, Bolton, and Cummings, 1998. \**B. eos* Ausich, Bolton, and Cummings, 1998.
- Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae
- Ausich, Bolton, and Cummings, 1998, p. 127. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darriwilian species  
Ordovician, Darriwilian (early Llanvirian). Canada, Newfoundland

\**Brechmocrinus eos* Ausich, Bolton, and Cummings, 1998, p. 127, Pl. 2, figs. 4-5; Fig. 3, no. B.  
Ordovician, Darriwilian (early Llanvirian, Whiterockian), Table Point Formation, Table  
Head Group. Canada, Newfoundland

**BRIAROCRINUS** Angelin, 1878. \**B. inflatus* Angelin, 1878, SD Jaekel, 1918.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae  
Angelin, 1878, p. 1. Zittel, 1880, p. 344, 367. Zittle, 1895, p. 127. Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 340. Moore and Laudon, 1943b, p. 98. Ubaghs, 1953, p. 742. Webster, 1973, p. 70. Ubaghs *in* Moore and Teichert, 1978, p. T506. Webster, 1986, p. 81.  
**ANGELINOCRINUS** Jaekel, 1918. \**Briarocrinus angustus* Angelin, 1878. Jaekel, 1918, p. 38. Bassler, 1938, p. 40. Bassler and Moodey, 1943, p. 302. Moore and Laudon, 1943b, p. 98. Webster, 1973, p. 52. Ubaghs *in* Moore and Teichert, 1978, p. T506.  
Named, currently recognized species based on cups or crowns: 2 Silurian,  
Wenlockian species  
Silurian, Wenlockian. Sweden

*Briarocrinus angustus* (Angelin, 1878). Bassler, 1938, p. 40.  
*Angelinocrinus angustus* Angelin, 1878, p. 1, Pl. 10, fig. 22. Bassler and Moodey, 1943, p. 302.  
Silurian, Wenlockian. Sweden, Isle of Gotland

\**Briarocrinus inflatus* Angelin, 1878, p. 1, Pl. 10, fig. 23. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 340. Ubaghs *in* Moore and Teichert, 1978, p. T506, Fig. 308, nos. 2a-2b. Webster, 1986, p. 81.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Briarocrinus* sp. Ubaghs *in* Moore and Teichert, 1978, p. T506, Fig. 308, no. 2c.  
Webster, 1986, p. 81.  
Silurian, Wenlockian. Sweden, Isle of Gotland

Bridgerocrinidae gen. et sp. indet. Webster et al., 2009, p. 672, Fig. 7, no. db.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver  
Island

Bridgerocrinidae indeterminate Webster and Lane, 2007, p. 958, Fig. 2, no. 4.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

**BRIDGEROCRINUS** Laudon and Severson, 1953. \**B. fairyensis* Laudon and Severson, 1953.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Bridgerocrinidae

Laudon and Severson, 1953, p. 517. Webster, 1973, p. 70. Moore and Strimple in Moore and Teichert, 1978, p. T640. Webster, 1986, p. 81. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 32. Lane, Waters, and Maples, 1997, p. 28. Webster, 1997, p. 23. Lane, Maples, and Waters, 2001a, p. 1068.

Named, currently recognized species based on cups or crowns: 8 species. 5

Devonian, 1 Frasnian, 4 Famennian; 3 Mississippian, Tournaisian  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygur Autonomous Region

Devonian, Frasnian - Mississippian, Tournaisian. United States

*Bridgerocrinus alborzensis* Webster, Maples, and Yazdi, 2007, p. 1112, Fig. 3, no. 12. Mississippian, late Tournaisian, Mobarak Formation. Northern Iran

*Bridgerocrinus? arachnoideus* (Whidborne, 1898). Lane, Maples, and Waters, 2001a, p. 1069, Pl. 6, fig. 6.

*Scytalocrinus arachnoideus* Whidborne, 1898, p. 235, Pl. 38, figs. 5-6. Lane, Maples, and Waters, 2001a, p. 1069.

*Scytatocrinus* [sic] *arachnoides* [sic] (Whidborne); Schmidt, 1930. Lane, Maples, and Waters, 2001a, p. 1069.

*Scytalocrinus arachnoides* [sic] Whidborne; Bassler and Moodey, 1943. Lane, Maples, and Waters, 2001a, p. 1069.

Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

*Bridgerocrinus delicatulus* Lane, Waters, and Maples, 1997, p. 28, Figs. 8.17, 9.9. Lane,

Maples, and Waters, 2001a, p. 1068. Webster and Waters, 2009, p. 277.

*Logocrinus delicatulus* (Lane et al., 1997). Lane, Maples, and Waters, 2001a, p. 1068. Waters et al., 2003, p. 943.

Devonian, Famennian, Hongguleleng Formation, lower member, red limestones. China, Xinjiang-Uygur Autonomous Region; United Kingdom

*Bridgerocrinus discus* Waters et al., 2003, p. 942, Figs. 9, nos. 14-16; 12, nos. 21-23. (Not a *Bridgerocrinus*, GDW)

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygur, Autonomous Region, Junggar Basin

\**Bridgerocrinus fairyensis* Laudon and Severson, 1953, p. 618, Pls. 51, figs. 6-8; 55, fig. 5. Webster, 1973, p. 71. Moore and Strimple in Moore and Teichert, 1978, p. T640, Fig. 418, no. 1. Webster, 1986, p. 82. Gahn, 1995, p. 120, Fig. 5, no. 2. Webster, 1997, p. 23, Pl. 5, figs. 1, 3-4, 9.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Brush Canyon Member, Henderson Canyon Formation. United States, Montana, Utah

*Bridgerocrinus jamisoni* Webster, 1997, p. 23, Pl. 5, fig. 8.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Bridgerocrinus minutus* Lane, et al., 1997 = *Sostronocrinus minutus*

*Bridgerocrinus semnanensis* Webster, Maples, and Yazdi, 2007, p. 1112, Fig. 3, nos. 5-6.

Mississippian, late Tournaisian, Mobarak Formation. Northern Iran

*Bridgerocrinus stadiodactylus* (Whidborne, 1896). Lane, Maples, and Waters, 2001a, p. 1068, Pls. 1, fig. 5; 5, figs. 5-6.

*Poteriocrinus stadiodactylus* Whidborne, 1896, p. 377. Bassler and Moodey, 1943, p. 678. Lane, Maples, and Waters, 2001a, p. 1068.

*Poteriocrinus batheri* Whidborne, 1896. Lane, Maples, and Waters, 2001a, p. 1068.

*Scytalocrinus stadiodactylus* (Whidborne, 1896). Whidborne, 1899, p. 233, Pls. 36, figs. 2-6, 8; 37, fig. 14. Bassler and Moodey, 1943, p. 678. Lane, Maples, and Waters, 2001a, p. 1068.

*Scytatocrinus* [sic] *stadiodactylus* (Whidborne) Schmidt, 1930. Lane, Maples, and Waters, 2001a, p. 1068.

Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

*Bridgerocrinus zethus* (Williams, 1882). Webster, 1997, p. 23. New combination

*Poteriocrinus* (*Decadocrinus*) *zethus* Williams, H. S., 1882, p. 27, Pl. 1, fig. 9.

Bassler and Moodey, 1943, p. 645. Webster, 1997, p. 23.

*Poteriocrinus zethus* Williams, 1882. Miller, S. A., 1889, p. 276. Goldring, 1923, p. 414, Pl. 54, fig. 8.

*Poteriocrinites zethus* (Williams, 1882). Bassler and Moodey, 1943, p. 645. (A *Bridgerocrinus*, GDW.)

Devonian, Frasnian, Ithaca Beds. United States, New York

*Bridgerocrinus* n. sp. undesignated Webster, 1997, p. 27, Pl. 8, fig. 7A.

Mississippian, late Tournaisian, Gardison Formation. United States, Utah

*Bridgerocrinus* sp. Waisfeld, 1989 = *Maragnicrinus?* sp.

*Bridgerocrinus?* sp. Lane, Maples, and Waters, 2001a, p. 1069, Pl. 1, fig. 3.

Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

**BRISEOCRINUS** Prokop and Petr, 1991. \**B. sculptilis* Prokop and Petr, 1991, OD

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. uncertain

Prokop and Petr, 1991a, p. 133.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, late Emsian. Czech Republic

\**Briseocrinus sculptilis* Prokop and Petr, 1991a, p. 134, Pl. 3, figs. 1-6. Prokop and Petr,

1998a, p. 18, Pls. 1, figs. 4-6; 2, figs. 1-2.



Devonian, late Emsian, Trebotov Limestone. Czech Republic, Prague-Holyne

**BROMIDOCRINUS** Kolata, 1982. \**B. nodosus* Kolata, 1982.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Kolata, 1982, p. 186. Webster, 1988, p. 45. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian species

Ordovician, Sandbian (Champlainian). United States, Oklahoma

\**Bromidocrinus nodosus* Kolata, 1982, p. 186, Pl. 19, figs. 1-20; Fig. 51. Webster,  
1988, p. 45.

Ordovician, Sandbian (Champlainian). Bromide Formation, Mountain Lake  
Member. United States, Oklahoma

**BRONAUGHOCRINUS** Strimple, 1951. \**B. figuratus* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Phanocrinidae

Strimple, 1951f, p. 671. Burdick and Strimple, 1973b, p. 239. Webster, 1973, p.  
71. Webster, 1977, p. 49. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T693. Webster, 1986, p. 82.

Named, currently recognized species based on cups or crowns: 2 Mississippian  
species, 1 Viséan, 1 Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States, Oklahoma

*Bronaughocrinus cherokeensis* Strimple, 1961c, p. 186, Pl. 1, figs. 1-3. Webster, 1973,  
p. 71.

Mississippian, Viséan (Chesterian), Hindsville Limestone. United States,  
Oklahoma

\**Bronaughocrinus figuratus* Strimple, 1951f, p. 671, Pl. 99, figs. 9-11. Strimple, 1961a,  
p. 24, Figs. 2-3. Strimple, 1961c, p. 186, Pl. 1, figs. 4-6. Knapp, 1969, p. 357,  
Fig.

10. Burdick and Strimple, 1973b, p. 239, Pl. 1, figs. 3, 6, 8. Webster, 1973, p. 71.  
Webster, 1977, p. 50. Moore and Strimple *in* Moore and Teichert, 1978, p. T693,  
Fig. 455, no. 1. Webster, 1986, p. 82.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Oklahoma

**BRUTOPISOCRINUS** Prokop and Petr, 1989. \**Pisocrinus bohemicus* Bouska, 1956.

Sbc. Disparida, O. Dendrocrinida, Spf. Pisocrinoidea, F. Pisocrinidae  
Prokop and Petr, 1989b, p. 52. Webster, 1993, p. 32.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Ludlovian-Pridoli species

Silurian - Devonian, Ludlovian - Lochkovian. Czech Republic  
Devonian, Lochkovian. Russia

\**Brutopisocrinus bohemicus* (Bouska, 1956). Prokop and Petr, 1989b, p. 53, Pl. 4, figs.  
4-5; Fig. 3. Prokop and Petr, 1990, p. 15, Pl. 4, figs. 1-2. Webster, 1993, p. 32.

*Pisocrinus bohemicus* Bouska, 1956a, p. 20, Pl. 2, figs. 10-11 only. Webster, 1973, p. 207. Rozhnov, 1981, p. 78. Webster, 1988, p. 130. Prokop and Petr, 1989b, p. 53. Prokop and Petr, 1990, p. 15. Webster, 1993, p. 32.

*Pisocrinus (Granulosocrinus) bohemicus* Bouska, 1956. Rozhnov, 1981, p. 78, Pls. 14, figs. 1-2; 15, fig. 1; Figs. 7, no. d; 8, no. zh; 17, nos. a-k. Webster, 1988, p. 130. Prokop and Petr, 1989b, p. 53. Webster, 1993, p. 32.

Silurian, middle Ludlovian - Pridoli Beds, Kotyz Limestone. Czech Republic  
Devonian, Lochkovian. Russia

**BRYCHIOCRINUS** Moore and Plummer, 1940. \**B. texanus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Stellarocrinidae

Moore and Plummer, 1940, p. 146. Bassler and Moodey, 1943, p. 684. Strimple and Moore, 1971a, p. 30. Strimple, 1973e, p. 19. Webster, 1977, p. 50.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670. Webster, 1986, p. 82.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Texas

\**Brychiocrinus texanus* Moore and Plummer, 1940, p. 149, Pl. 2, fig. 1; Fig. 23.

Bassler and Moodey, 1943, p. 685. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670, Fig. 440, no. 2. Webster, 1986, p. 82.

*Stellarocrinus texanus* (Moore and Plummer, 1940). Bassler and Moodey, 1943, p. 685. Strimple and Watkins, 1969, p. 177, Pls. 41, fig. 1; 46, fig. 2; 47, figs. 1, 4; 52, fig. 13. Webster, 1977, p. 159.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

**BUCUCRINUS** Ausich and Copper, 2010. \**Bucucrinus saccus* Ausich and Copper, 2010.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Ausich and Copper, 2010, p. 15.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species

Silurian, middle Llandovery. Canada, Quebec

\**Bucucrinus saccus* Ausich and Copper, 2010, p. 15, Pl. 2, figs. 1-2, 9; Figs. 5.6, 5.8.

Silurian, middle Llandoveryan, Jupiter Formation, Goéland Member. Canada, Quebec, Anticosti Island

**BUFALOCRINUS** Webster et al., 2003. \**Catactocrinus? torus* Webster and Hafley *in* Webster et al., 1999.

Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F. Amabilicrinidae

Webster et al., 2003, p. 23, Figs. 14.1.

Named, currently recognized species based on cups or crowns: 1 Devonian,

Famennian species  
Devonian, Famennian. United States, Colorado

\**Bufalocrinus torus* (Webster and Hafley in Webster et al., 1999). Webster et al., 2003, p. 23. Fig. 14.2.

*Catactocrinus? torus* Webster and Hafley in Webster et al., 1999. McIntosh, 2001, p. 805. Webster et al., 2003, p. 23.

Devonian, Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

**BUNAGLAOPOLYGONUM** Moore, 1939. *Nomen vetitum* \**B. tuberculatum* Moore, 1939.

Moore, 1939b, p. 235. Webster, 1977, p. 50. Jeffords in Moore and Teichert, 1978, p. T936.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Kansas, Oklahoma

\**Bunaglaopolygonum tuberculatum* Moore, 1939 b, p. 235, Pl. 3, figs. 8a-8b.

Devonshire, 1954, Pl. 2, fig. 1. Devonshire, 1955, Pl. 2, fig. 1. Webster, 1977, p. 50. (basals)

Pennsylvanian, Desmoinesian, Mineral Coal cap rock; Pumpkin Creek Limestone. United States, Kansas, Oklahoma

**BUNARTHURUM** Moore, 1939. *Nomen vetitum* \**B. septatum* Moore, 1939.

Moore, 1939b, p. 228. Jeffords in Moore and Teichert, 1978, p. T936. (radials)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Kansas

\**Bunarthrum septatum* Moore, 1939b, p. 228, Pl. 3, figs. 1a-1d.

Pennsylvanian, Missourian, Stanton Limestone. United States, Kansas

**BURSACRINUS** Meek and Worthen, 1861. \**B. wachsmuthi* Meek and Worthen, 1861.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Bursacrinidae

Meek and Worthen, 1861, p. 136. Meek and Worthen, 1868c, p. 478. Zittel, 1880, p. 344, 361. Wachsmuth and Springer, 1889, p. 123 (346) (1879). Wachsmuth and

Springer, 1886, p. 191, 252 (115, 176). Miller, S. A., 1889, p. 229. Zittel, 1895, p. 137. Bather in Lankester, 1900, p. 180. Springer in Zittel, 1913, p. 225. Wanner, 1924, p. 180. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 340. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 71.

Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T673. Webster, 1986,

p. 82. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 32.

Named, currently recognized species based on cups or crowns: 2 Mississippian,

Viséan species

Mississippian, Viséan (Osagean). United States, Iowa

*Bursacrinus confirmatus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 11.

Shumard, 1868, p. 356. Miller, S. A., 1889, p. 229. Weller, S., 1898c, p. 152.

Bassler and Moodey, 1943, p. 340.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Bursacrinus cornutus* (Trautschold), 1881 = *Synphocrinus cornutus*

*Bursacrinus magnificus* Wanner, 1916 = *Parabursacrinus magnificus*

*Bursacrinus procerus* Wanner, 1916 = *Parabursacrinus procerus*

*Bursacrinus pyramidatus* Wanner, 1916 = *Parabursacrinus pyramidatus*

\**Bursacrinus wachsmuthi* Meek and Worthen, 1861, p. 137. Meek and Worthen, 1868c, p. 479, Pl. 17, fig. 6; Unnum. Fig. Shumard, 1868, p. 356. Miller, S. A., 1889, p.

229, Fig. 258. Weller, S., 1898c, p. 152. Bassler, 1938, p. 55. Bassler and

Moodey, 1943, p. 40. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p.

T673, Fig. 443, no. 2. Webster, 1986, p. 82.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

**CACABOCRINITES** Troost, 1850 = **DOLATOCRINUS**

*Cacabocrinites sculptus* Troost, 1850 = *Dolatocrinus grandis*

**CACABOCRINUS** Hall, 1862 = **DOLATOCRINUS**

*Cacabocrinus glyptus* Hall, 1862 = *Dolatocrinus glyptus* = *D. liratus*

*Cacabocrinus glyptus* var. *intermedius* Hall, 1862 = *Dolatocrinus glyptus* var. *intermedius* = *D. liratus*

*Cacabocrinus lamellosus* Hall, 1862 = *Dolatocrinus lamellosus*

*Cacabocrinus liratus* Hall, 1862 = *Dolatocrinus liratus*

*Cacabocrinus liratus* var. *multilira* Hall, 1862 = *Dolatocrinus liratus*

*Cacabocrinus sculptus* Troost, 1850 = *Dolatocrinus grandis*

*Cacabocrinus speciosus* Hall, 1862 = *Dolatocrinus speciosus*

*Cacabocrinus troosti* Hall, 1862 = *Clarkeocrinus troosti*

Cactocrininae? sp. Webster and Lane, 1987, p. 19.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

**CACTOCRINUS** Wachsmuth and Springer, 1897. \**Actinocrinus proboscidualis* Hall, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Wachsmuth and Springer, 1897, p. 600. Miller, S. A., 1897, p. 740. Bather *in* Lankester, 1900, p. 170. Wachsmuth *in* Zittel, 1900, p. 141. Grabau and Shimer, 1910, p. 525. Springer, 1913, p. 197. Bassler, 1938, p. 55. Delpey, 1941, p. 88, Fig. 1, nos. 3-4. Bassler and Moodey, 1943, p. 340. Moore and Laudon, 1943b, p. 93, Fig. 15. Moore and Laudon, 1944, p. 191, Pl. 71, fig. 11. Termier, G., and Termier, H., 1947, Pl. 19, figs. 22-23. Cuénot, 1948, p. 47, Fig. 60. Ubaghs, 1953, p. 739. Yakovlev, 1964b, p. 60, Fig. 71. Arendt and Hecker, 1964, p. 96. Brower, 1970, p. 495. Webster, 1973, p. 71. Webster, 1977, p. 50. Macurda, 1974, p. 821, Figs. 1-2. Haugh, 1978, p. 163, Fig. 11, no. G. Bowsher *in* Moore and Teichert, 1978, p. T458. Webster, 1986, p. 82. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 46.

Webster,

1993, p. 32.

Named, currently recognized species based on cups or crowns: 19 Mississippian species, 2 Tournaisian, 3 Tournaisian – Viséan, 14 Viséan (+1 Viséan subspecies)

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America

*Cactocrinus arnoldi* (Wachsmuth and Springer *in* Miller, 1889) = *Cusacrinus nodobrachiatus*

*Cactocrinus arrosus* (Miller, 1892). Brower, 1967, p. 703.

*Blairocrinus arrosus* Miller, S. A., 1892a, p. 675, Fig. 1216. Miller, S. A., 1892b (adv. pub.). Miller, S. A., 1892c, p. 41, Pl. 7, figs. 1-5. Miller, S. A., 1894, p. 295, Pl. 7, figs. 1-5. Weller, S., 1898c, p. 55. Brower, 1967, p. 701, Pl. 77, figs. 1-4, 6-14, 16, 18; Fig. 8. Webster, 1973, p. 66.

*Actinocrinus arrosus* (Miller, 1892). Miller and Gurley, 1893, p. 15, Pl. 2, fig. 4.

Keyes, 1894a p. 186. Miller, S. A., 1897, p. 730. Wachsmuth and Springer, 1897, p. 577, Pl. 55, figs. 7, 8a-8c. Weller, S., 1898c, p. 55. Peck and Keyte, 1938, p. 79, Pl. 28, figs. 9-10, 17. Bassler and Moodey, 1943, p. 276.

*Actinocrinites arrosus* (Miller, 1892). Bassler and Moodey, 1943, p. 267.

*Blairocrinus bullatus* Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b (adv. pub.).

Miller, S. A., 1892c, p. 41, Pl. 7, figs. 6-7. Miller, S. A., 1894, p. 295, Pl. 7, figs. 6-7.

*Aacocrinus arrosus* (Miller, 1892). Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 25.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone, Compton Limestone. United States, Missouri

*Cactocrinus baccatus* Wood, E., 1914, p. 4, Pls. 1, fig. 3; 2, figs. 3-4b. Bassler and Moodey, 1943, p. 341.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Cactocrinus? brownei* Dun and Benson, 1920 = *Manillacrinus brownei*

*Cactocrinus clarus* (Hall, 1861). Wachsmuth and Springer, 1897, p. 612, Pls. 57, figs. 9-10; 58, fig. 1. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341.

*Actinocrinus clarus* Hall, 1861a, p. 277. Hall, 1861b, p. 2. Hall, 1861c, p. 277.

Shumard, 1868, p. 343. Hall, 1872c, Pl. 3-A, figs. 24-25. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus coelatus* (Hall, 1858) = *Cusacrinus coelatus*

*Cactocrinus coelatus spinotentaculus* (Hall, 1859) = *Cusacrinus spinotentaculus*

*Cactocrinus coelatus* var. *spinotentaculus* (Hall, 1859) = *Cusacrinus spinotentaculus*

*Cactocrinus denticulatus* Wachsmuth and Springer, 1897 = *Cusacrinus denticulatus*

*Cactocrinus ectypus* (Meek and Worthen, 1870) = *Cusacrinus ectypus*

*Cactocrinus excerptus* (Hall, 1861). Bassler and Moodey, 1943, p. 341.

*Actinocrinus excerptus* Hall, 1861a, p. 276. Hall, 1861b, p. 3. Hall, 1861c, p. 276.

Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Miller, S. A., 1897, p. 731.

Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 341.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus extensus* Wachsmuth and Springer, 1897, p. 616, Pl. 57, figs. 6-7.

Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 341.

*Actinocrinus extensus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 731.

*Actinocrinus sexarmatus* var. Hall, 1872c, Pl. 3, fig. 26 (only). Bassler and Moodey, 1943, p. 341.

*Actinocrinus sexarmatus* Hall, 1872. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus fossatus* (Miller, 1892). Wachsmuth and Springer, 1897, p. 620, Pl. 55, fig. 12. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 341.

*Actinocrinus fossatus* Miller, S. A., 1892a, p. 672. Miller, S. A., 1892c, p. 40, Pl. 6, figs. 11-12. Miller, S. A., 1894, p. 294, Pl. 6, figs. 11-12. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 341.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States,

## Missouri

- Cactocrinus fosteri* (McChesney, 1860). Wachsmuth and Springer, 1897, p. 601. Bassler and Moodey, 1943, p. 341.
- Actinocrinus fosteri* McChesney, 1860, p. 19. McChesney, 1865, Pl. 5, figs. 2a-2b. McChesney, 1868, p. 14, Pl. 5, figs. 2a-2b; Unnum. Fig. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 341. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Cactocrinus glans* (Hall, 1859). Wachsmuth and Springer, 1897, p. 625, Pls. 4, fig. 8; 54, figs. 5-7. Weller, S., 1898c, p. 154. Grabau and Shimer, 1910, p. 525. Bassler and Moodey, 1943, p. 342. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 2. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 10. Laudon, 1948, Pl. 3. Priest, 1972, p. 86, Fig. 6. Webster, 1973, p. 71. Haugh, 1975a, p. 467, Pl. 2, fig. 7. Webster, 1977, p. 50. Ubaghs *in* Moore and Teichert, 1978, p. T179, Fig. 152, no. 1. Webster, 1986, p. 82.
- Actinocrinus glans* Hall, 1859a, p. 16, Unnum. Fig. Shumard, 1868, p. 344. Wachsmuth and Springer, 1881, p. 143 (317), Pl. 19, figs. 8, 15. Miller, S. A., 1889, p. 218. Whitfield, 1893b, p. 10, Pl. 1, figs. 11-12. Keyes, 1894a, p. 189, Pl. 24, figs. 2a-2b. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 342.
- Actinocrinus blairi* Miller, S. A., 1892a, p. 672. Miller, S. A., 1892c, p. 35, Pl. 5, figs. 27-29. Miller, S. A., 1894, p. 289, Pl. 5, figs. 27-29. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 342.
- Actinocrinus eryx* Hall, 1861b, p. 12. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 342.
- Actinocrinus (Megistocrinus) whitei* Hall, 1861a, p. 271 (part). Hall, 1861b, p. 2 (part). Hall, 1861c, p. 271 (part). Hall, 1872c, Pl. 4, fig. 6 only. Bassler and Moodey, 1943, p. 342.
- Megistocrinus whitii* (Hall, 1861). Miller, S. A., 1889, p. 260 (sic).
- Megistocrinus whitei* (Hall, 1861). Miller, S. A., 1897, p. 748.
- Actinocrinus tholus* Hall, 1859a, p. 35, Unnum. Fig. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 342.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, upper part of Burlington Limestone. United States, Iowa, Missouri

*Cactocrinus hurdianus* (McChesney, 1860) = *Cusacrinus hurdianus*

*Cactocrinus imperator* Laudon, 1933 = *Cusacrinus imperator*

*Cactocrinus kuenzii* Laudon, Parks, and Spreng, 1952 = *Cusacrinus kuenzii*

*Cactocrinus limabrachiatus* (Hall, 1861) = *Cusacrinus limabrachiatus*

*Cactocrinus longus* (Meek and Worthen, 1870) = *Cusacrinus longus*

- Cactocrinus lucina* (Hall, 1861). Wachsmuth and Springer, 1897, p. 603, Pl. 56, figs. 8-9. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342.  
*Actinocrinus lucina* Hall, 1861b, p. 11. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri
- Cactocrinus magnidactylus* Laudon and Severson, 1953, p. 531, Pl. 53, fig. 5.  
 Webster, 1973, p. 71.  
 Mississippian, Kinderhookian, Lodgepole Limestone. United States, Montana
- Cactocrinus* sp. cf. *C. magnidactylus* (Laudon and Severson, 1953). Webster, 1997, p. 12, Pl. 1, figs. 12-13.  
 Mississippian, Tournaisian, probably Chinese Wall Member, Henderson Canyon Formation. United States, Utah
- Cactocrinus multibrachiatus* (Hall, 1858). Wachsmuth and Springer, 1897, p. 617, Pls. 56, figs. 6-7; 58, fig. 8. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 1. Moore and Laudon, 1944, p. 191, Pl. 77, fig. 2. Webster, 1973, p. 71. Bowsler *in* Moore and Teichert, 1978, p. T458, Fig. 266, no. 1c. Webster, 1986, p. 82.  
*Actinocrinus multibrachiatus* Hall, 1858c, p. 580, Pl. 10, fig. 10; Fig. 85. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342.  
*Actinocrinus multibrachiatus* var. *echinatus* Hall, 1861b, p. 10. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone, Lake Valley Limestone. United States, Iowa, Missouri, New Mexico
- Cactocrinus nodobrachiatus* (Wachsmuth and Springer *in* Miller, 1889) = *Cusacrinus nodobrachiatus*
- Cactocrinus obesus* (Keyes, 1894). Wachsmuth and Springer, 1897, p. 613, Pl. 55, figs. 9a-9b. Miller, S. A., 1897, p. 740. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 343.  
*Actinocrinus obesus* Keyes, 1894a, p. 187, Pl. 24, fig. 4. Miller, S. A., 1897, p. 731. Weller, 1898c, p. 155. Bassler and Moodey, 1943, p. 343.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri, Illinois
- Cactocrinus opusculus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 607, Pl. 56, figs. 5a-5b. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 343.  
*Actinocrinus opusculus* Hall, 1859a, Pl. 2, fig. 6. Hall, 1861c, p. 264. Shumard, 1868, p. 350. Whitfield, 1893b, p. 9, Pl. 1, figs. 6-7. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 343.  
*Actinocrinus opusculum* Hall, 1859. Miller, S. A., 1889, p. 219. Miller, S. A., 1897, p. 731.



Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus ornatissimus* (Wachsmuth and Springer in Miller, 1889) = *Cusacrinus nodobrachiatus*

*Cactocrinus platybrachiatus* Wood, E., 1914, p. 5, Pls. 1, fig. 2; 3, figs. 2-2b. Bassler and Moodey, 1943, p. 343.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Cactocrinus proboscidualis* (Hall, 1858) = *Cactocrinus proboscidualis*

\**Cactocrinus proboscidualis* (Hall, 1858). Wachsmuth and Springer, 1897, p. 601, Pls. 5, fig. 10; 58, figs. 3-7d. Weller, S., 1898c, p. 156. Bather in Lankester, 1900, p. 129, Fig. 44. Grabau and Shimer, 1910, p. 526, Figs. 1805, 1851. Kirk, 1911, Pl. 5, figs. 4-5. Springer in Zittel, 1913, p. 174, Figs. 268, 280, 299-A. Moore, 1939b, p. 243, Fig. 13, no. 2 (spine-bearing pinnules). Bassler and Moodey, 1943, p. 343. Moore and Laudon, 1944, p. 191, Pl. 77, fig. 3. Webster, 1973, p. 72. Haugh, 1975a, p. 476, Pl. 1, fig. 3. Ubaghs in Moore and Teichert, 1978, p. T154, T179, Figs. 127, no. 1; 152, no. 2. Bowsher in Moore and Teichert, 1978, p. T458, Fig. 266, nos. 1a-1b. Wolf, 1979, p. 150, Fig. 1, nos. g-h. Webster, 1986, p. 83.

*Actinocrinus proboscidualis* Hall, 1858c, p. 584, Pl. 10, fig. 13. Hall, 1859a, Pl. 3, fig. 2. Shumard, 1868, p. 347. Meek and Worthen, 1869b, p. 440. Meek and Worthen, 1873, p. 328, Pl. 9, figs. 7a-7c, ?8a-8b. Zittel, 1880, p. 334, 369, Figs. 229; 257, nos. a-d. Miller, S. A., 1889, p. 219, Fig. 234. Neumayr, 1889, p. 465, Fig. 135. Keyes, 1890a, Pl. 8, fig. 2. Steinmann and Döderlein, 1890, p. 153, Figs. 156, nos. B-C; 157, nos. B-C. Keyes, 1894a, p. 185, Pls. 20, fig. 2; 24, fig. Lahusen, 1895, p. 140, Fig. 189, nos. a-c. Zittel, 1895, p. 119, 128, Figs. 232, nos. a-c; 246, nos. A-D. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 156. Wachsmuth in Zittel, 1900, p. 124, 142, Figs. 220, 232, 243, no. A. Steinmann, 1903, p. 177, Fig. 246, nos. B-C. Steinmann, 1907, p. 189, Fig. 281, nos. B-C. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 343.

*Batocrinus proboscidualis* (Hall, 1858). Miller, S. A., 1897, p. 738.

*Actinocrinus (Cactocrinus) proboscidualis* Hall, 1858. Steinmann, 1907, p. 189, Fig. 267, nos. B-C.

*Cactocrinus proboscidualis* (Hall, 1858). Sieverts-Doreck, 1952, p. 424, Fig. 2. Ubaghs, 1953, p. 739, Fig. 22, no. e.

*Actinocrinus lagena* Hall, 1861b, p. 13. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Wachsmuth and Springer, 1897, p. 453, Pl. 35, fig. 4. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343.

*Actinocrinus quaternarius* Hall, 1859a, p. 22, Unnum. Fig. Shumard, 1868, p. 347. Whitfield, 1881, p. 7, Pl. 1, figs. 1-3. Miller, S. A., 1889, p. 219. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343.

*Actinocrinus quaternarius* var. *spinigerus* Hall, 1861b, p. 11. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343.

*Actinocrinus themis* Hall, 1861b, p. 11. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Bassler and Moodey, 1943, p. 343.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, Illinois, Missouri, New Mexico

?*Cactocrinus proboscidualis* (Hall, 1858). Laudon, 1973b, p. 29, Fig. 1. Webster, 1977, p. 50.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Cactocrinus reticulatus* (Hall, 1861). Wachsmuth and Springer, 1897, p. 605, Pl. 58, figs. 2a-2b. Weller, S., 1898c, p. 156. Grabau and Shimer, 1910, p. 526. Bassler and Moodey, 1943, p. 343.

*Actinocrinus reticulatus* Hall, 1861a, p. 269. Hall, 1861c, p. 269. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343.

*Physetocrinus reticulatus* (Hall, 1861). Miller, S. A., 1889, p. 269.

*Actinocrinus thoas* Hall, 1861b, p. 11. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 344.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus reticulatus ovatus* (Hall, 1861). Bassler and Moodey, 1943, p. 344.

*Actinocrinus ovatus* Hall, 1861b, p. 2, 10. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 344.

*Cactocrinus reticulatus* var. *ovatus* Wachsmuth and Springer, 1897, p. 606, Pl. 57, fig. 11. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus reticulatus* var. *ovatus* (Hall, 1861) = *Cactocrinus reticulatus ovatus*

*Cactocrinus sexarmatus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 615, Pl. 55, figs. 10-11. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.

*Actinocrinus sexarmatus* Hall, 1859a, p. 21, Unnum. Fig. (only). Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cactocrinus springeri* (Rowley, 1900). Rowley, R. R., 1901c, p. 346, Pl. 28, figs. 30-31, 49-50. Bassler and Moodey, 1943, p. 344.

*Batocrinus? springeri* Rowley, R. R., 1900a, p. 72, Pl. 2, fig. 16. Bassler and Moodey, 1943, p. 344.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Cactocrinus tenuisculptus* (McChesney, 1860) = *Cusacrinus tenuisculptus*

*Cactocrinus thalia* (Hall, 1861). Wachsmuth and Springer, 1897, p. 604, Pls. 56, fig. 2; 57, figs. 12-13. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.  
*Actinocrinus thalia* Hall, 1861b, p. 13. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.  
*Actinocrinus infrequens* Hall, 1861b, p. 14. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.  
*Actinocrinus nodosus* Miller, S. A., 1891b, p. 33, Pl. 5, fig. 7. Miller, S. A. 1892a, p. 672. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri

*Cactocrinus thetis* (Hall, 1861) = *Cusacrinus thetis*

*Cactocrinus* spp.

Goldring, 1929, p. 115, Fig. 28, no. A.

Devonian, Lochkovian, Becraft Limestone. United States, New York

Wright, J., 1943b, p. 233, Pl. 8, fig. 4. Webster, 1973, p. 72.

Mississippian: Ireland

Laudon, Parks, and Spreng, 1952, p. 571, Pl. 68, fig. 6. Webster, 1973, p. 72.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Laudon, Parks, and Spreng, 1952, p. 571, Pl. 68, fig. 11. Webster, 1973, p. 72.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Brower, 1970, p. 500, Pl. 64, fig. 9; Fig. 81, no. J. Webster, 1977, p. 50.

Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member,

Thunder Springs Member or Mooney Falls Member. United States, Arizona

Kues, 1982, Unnum Fig. p. 108, no. C. Webster, 1988, p. 46.

Mississippian. no locality data

Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1988, p. 46.

Mississippian, Tournaisian (Kinderhookian), Le Grande Beds. United States, Iowa

Maples and Archer, 1989, p. 379, Figs. 1-3. Webster, 1993, p. 32.

Mississippian, Viséan (Osagean), Joana Limestone. United States, Nevada

**CADISCOCRINUS** Kirk, 1945. \**C. southworthi* Kirk, 1945.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Kirk, 1945a, p. 346. Ubaghs, 1953, p. 737. Webster, 1973, p. 72. Ubaghs in Moore and Teichert, 1978, p. T423. Webster, 1986, p. 83.

Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species

Middle Devonian. Canada, Ontario

\**Cadiscocrinus southworthi* Kirk, 1945a, p. 348, Pl. 1, figs. 1-3. Webster, 1973, p. 72.

Ubaghs in Moore and Teichert, 1978, p. T423, Fig. 233, no. 2. Webster, 1986, p. 83.

Devonian, Givetian, (Erian), Arkona Shale. Canada, Ontario

**CADOCCRINUS** Wanner, 1924. *Hydreionocrinus variabilis* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Cromyocrinoidea, F. Cadocrinidae

Wanner, 1924, p. 180. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 344.

Moore and Laudon, 1943b, p. 62. Branson, C. C., 1948, p. 182. Teichert, 1949, p. 27, Figs. 9-10. Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 72.

Webster, 1977, p. 51. Moore and Strimple *in* Moore and Teichert, 1978, p. T703.

Webster, 1986, p. 83.

Named, currently recognized species based on cups or crowns: 4 Permian species, +1 subspecies. 2 Artinskian, 2 series uncertain, (+1 subspecies series uncertain)

Permian, series uncertain. West Timor

Permian, Artinskian. Russia

*Cadocrinus amarassicus* (Wanner, 1916). Wanner, 1924, p. 253. Bassler and Moodey, 1943, p. 344. Branson, C. C., 1948, p. 182.

*Hydreionocrinus amarassicus* Wanner, 1916, p. 165, Pl. 104 (9), figs. 10-11.

Bassler and Moodey, 1943, p. 344. Branson, C. C., 1948, p. 182.

Permian, series uncertain. West Timor, Koeafeoe

*Cadocrinus saltanajewi* Yakovlev *in* Yakovlev and Ivanov, 1956, p. 65, Pl. 13, fig. 5.

Webster, 1973, p. 72.

Permian, Artinskian. Russia, Ural Mountains

*Cadocrinus timanicus* Yakovlev, 1948, p. 119, Figs. 1-4. Yakovlev, 1950, p. 95, Fig. 1, no. VI. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 73, Pl. 13, figs. 1-2. Arendt

and Hecker, 1953, p. 91, Pl. 13, fig. 7. Webster, 1973, p. 72.

Permian, Artinskian. Russia, Timan

\**Cadocrinus variabilis* (Wanner, 1916). Wanner, 1924, p. 251, Figs. 42-43. Bassler and Moodey, 1943, p. 344. Branson, C. C., 1948, p. 182. Wanner, 1949a, p. 5, Pl. 1, figs. 1-2; Figs. 1-7. Moore, 1962b, p. 24, Fig. 13, no. 1. Arendt, 1970a, p. 191, Fig. 58. Webster, 1973, p. 72. Webster, 1977, p. 51. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 96, nos. 1-10. Moore and Strimple *in* Moore and Teichert, 1978, p. T703, Fig. 462, no. 2. Webster, 1986, p. 83.

*Hydreionocrinus variabilis* Wanner, 1916, p. 150, Pls. 104 (9), figs. 4-9; 105 (10), figs. 1-18; Figs. 42-44. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 344. Branson, C. C., 1948, p. 182.

Permian, series uncertain. West Timor, Basleo, etc.

*Cadocrinus variabilis canaliculatus* Wanner, 1924, p. 252, Pls. 12, fig. 4; 13, figs. 1-2.

Bassler and Moodey, 1943, p. 345. Branson, C. C., 1948, p. 182.

Permian. West Timor, Basleo

**CAELOCRINUS** Xu, 1962. \**C. stellifer* Xu, 1962.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.

Cyathocrinitoidea, F. Euspirocrinidae

Xu, 1962, p. 46, 51. Webster, 1973, p. 72. Lane and Moore *in* Moore and Teichert, 1978, p. T583. Webster, 1986, p. 83.

Named, currently recognized species based on cups or crowns: 1 Middle Silurian species

Middle Silurian, series uncertain. China, Szuchuan Province

\**Caelocrinus stellifer* Xu, 1962, p. 46, 51, Pl. 1, figs. 1-6; Figs. 1-2. Webster, 1973, p. 72.

Middle Silurian, series uncertain. China, Szuchuan Province

**CALATHOCRINUS** Hall, 1861 = **TELEIOCRINUS**

Calceocrinid

Ausich, 1986a, p. 85, Fig. 1 (diagramatic). Webster, 1993, p. 32.

Ordovician - Permian

Baumiller, 1992, p. 662 (diagramatic).

No age given

Kesling and Sigler, 1969, p. 357, Figs. 11-12. Webster, 1977, p. 51.

Ordovician - Permian

Waisfeld, 1989, p. 277, Fig. 5, no. B (diagramatic). Webster, 1993, p. 32.

Devonian, Lochkovian - Emsian, Talacasto Formation. Argentina

Lane, 1995, p. 94, Pl. 1, figs. 1-2.

Late Devonian. Western China

Ausich et al. *in* Hess et al., 1999 p. 18, Fig. 29.

Age not given

Sevastopulo, 2002, p. 9, Fig. 4, nos. a-c.

Mississippian, Viséan (Asbian). Ireland, County Sligo

Calceocrinid crinoid

Harvey and Ausich, 1997, p. 300 (diagramatic).

Calceocrinid hinge (diagramatic) Brower, 1985, p. 14, Fig. 2. Webster, 1993, p. 32.

Ordovician - Permian

Calceocrinid indeterminate Boyarko and Ausich, 2009, p. 106, Fig. 3-4.

Silurian, Llandoveryan, Aeronian, Brassfield Formation. United States, Kentucky

Calceocrinid sp. or spp. indet. Donovan and Lewis, 2010, p. 9, Fig. 1, nos. A-R.

Donovan

et al., 2010, p. 49.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Shropshire

Calceocrinidae Sieverts-Doreck, 1953, Pl. 78, fig. 8. Webster, 1973, p. 272 (crown).

Devonian. Germany

Calceocrinidae Ubaghs *in* Moore and Teichert, 1978, p. T149, Fig. 121.

Undescribed species of calceocrinid. Brett, 1978b, p. 223, Fig. 5, no. 8. Webster, 1986, p. 84.

Silurian, Wenlockian, Rochester Shale. Canada, Ontario; United States, New York

Calceocrinidae sp. indet. Hauser, 1997, p. 182, Pl. 75, fig. 6. (Given as ?*Calceocrinus* sp. oder Radialae Crinoide sp. indet. on plate explanation)  
Devonian, Givetian, ?Loogh Formation. Germany

Calceocriniden? Sieverts-Doreck, 1953 = *Eohalysiocrinus fritschi*

Calceocrinids (diagramatic) Brower, 1985, p. 13, Fig. 1. Bower, 1988b, p. 73, Fig. 1.  
Webster, 1993, p. 32.  
Ordovician-Permian

**CALCEOOCRINUS** Hall, 1852. \**Cheirocrinus chrysalis* Hall, 1860.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Hall, 1852, p. 352. Shumard, 1868, p. 356. Meek and Worthen, 1869a, p. 72. Meek and Worthen, 1873, p. 442. Hall, 1879a, p. 146. Hall, 1882b, p. 281. Ulrich, E.

O.,

1886, p. 104. Wachsmuth and Springer, 1886, p. 278 (202). Ringueberg, 1889, p.

401. Miller, S. A., 1889, p. 230. Miller, S. A., 1892a, p. 675. Bather, 1893a, p. 21. Miller, S. A., 1897, p. 740. Bather *in* Lankester, 1900, p. 148. Wachsmuth *in* Zittel, 1900, p. 154. Jaekel, 1902, p. 1101, Fig. 28, no. H. Delage and Herouard, 1903, p. 379. Grabau and Shimer, 1910, p. 502. Bassler, 1915, p. 156, 508. Springer, 1926a, p. 115. Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 345.

Moore and Laudon, 1943b, p. 30, Fig. 3. Moore and Laudon, 1944, p. 145.

Cuénot, 1948, p. 60. Ramsbottom, 1952, p. 34, Fig. 1. Ubaghs, 1953, p. 746.

Moore, 1962a, p. 18, Figs. 3, no. 2; 5, no. 3. Ubaghs, 1962b, p. 12, Fig. 4, no. 2.

Strimple, 1963d, p. 51, Fig. 13 (part). Arendt and Hecker, 1964, p. 91. Kesling

and Sigler, 1969, p. 347, Table 1, Figs. 5-10. Prokop, 1970a, p. 83. Webster,

1973, p. 72. Webster, 1977, p. 51. Ubaghs *in* Moore and Teichert, 1978, p.

T133,

Fig. 104, no. 4. Moore and Lane *in* Moore and Teichert, 1978, p. T525, Fig. 324,

no. 3. Brett, 1981a, p. 152. Rozhnov, 1981, p. 28, Fig. 8, no. v. Brower, 1982, p.

91, Fig. 30, no. D. Ausich, 1984a, p. 1168. Eckert, 1984, p. 21. Webster, 1986,

p.

83. Brower, 1988a, p. 917, Fig. 1. Webster, 1988, p. 46. Brower, 1990, p. 302,

Fig. 4. Webster, 1993, p. 33. Harvey and Ausich, 1997, p. 300, Fig. 3.9. Ausich,

1998b, p. 36. Rozhnov, 2002, p. S638, Fig. 81, nos. a-b. Kendrick, 2007, p. 346,

Fig. 9, no. L. Brower, 2008a, p. 58, Fig. 1. Donovan et al., 2009, p. 32.

**CHEIROCRINUS** Salter (*non* Hall; *non* Eichwald) *in* Murchison, 1859, p. 535. Zittel,

1880, p. 343, 358. Bassler, 1915, p. 508. Bassler, 1938, p. 65. Bassler and

Moodey, 1943, p. 345.

**CHEIROCRINUS** Hall, 1860b, p. 122 (*non* Eichwald; *non* Salter). \**C. chrysalis*

Hall, 1860. Shumard, 1868, p. 358. Bigsby, 1868, p. 18. Miller, S. A., 1889, p.

231. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 468. Moore and Lane

*in* Moore and Teichert, 1978, p. T525.

**EUCHEIROCRINUS** Meek and Worthen, 1869, p. 73. Meek and Worthen, 1873, p.

443. \**Calceocrinus chrysalis* Hall, 1860. Miller, S. A., 1897, p. 745. Bassler,

- 1915, p. 508. Springer, 1926a, p. 91. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 468. Moore and Laudon, 1943b, p. 29, Fig. 3. Moore and Laudon, 1944, p. 145. Ubaghs, 1953, p. 746, Fig. 140, no. J. Moore, 1962a, p. 18. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 72. Moore and Lane *in* Moore and Teichert, 1978, p. T525.
- EUCHIROCRINUS* Bather, 1893a, p. 61. Bather *in* Lankester, 1900, p. 148. Wachsmuth *in* Zittel, 1900, p. 154. Springer *in* Zittel, 1913, p. 213. Jaekel, 1918, p. 88. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 468. Moore and Lane *in* Moore and Teichert, 1978, p. T525.
- PROCLIVOCRINUS* Ringueberg, 1889, p. 396. \**Calceocrinus radculus* Ringueberg, 1882. Bather, 1890b, p. 332. Miller, S. A., 1897, p. 752. Bassler, 1915, p. 508. Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 468.
- Named, currently recognized species based on cups or crowns: 21 species. 8 Ordovician, 1 Sandbian, 5 Katian, 2 Hirnantian. 13 Silurian, 1 Early Silurian, 4 Llandovery, 2 Wenlockian, 5 Niagaran, 1 Ludlovian
- Ordovician, Katian; - Late Silurian. North America  
Middle - Late Silurian. Europe
- Calceocrinus alleni* Rowley, R. R., 1904d, p. 275, Pl. 16, figs. 30-33. Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 28. Webster, 1973, p. 102. Ausich, 1987b, p. 571, Figs. 2, nos. 11, 15, 22; 3.
- Deltacrinus alleni* (Rowley, 1904). Moore, 1962a, p. 28. Webster, 1973, p. 102. Ausich, 1987b, p. 571.
- Ordovician, Katian, Cyrene Formation. United States, Missouri
- Calceocrinus anglicus* (Springer, 1926). Moore, 1962a, p. 20, Figs. 7, no. F; 11, no. A. Webster, 1973, p. 73. Brower, 1982, p. 92, Figs. 32, nos. J-K; 33-38. Webster, 1988, p. 46.
- Eucheirocrinus anglicus* Springer, 1926a, p. 113, Pl. 29, figs. 6-6a; Fig. 3, no. c. Bassler and Moodey, 1943, p. 468. Ramsbottom, 1952, p. 43, Pl. 5, figs. 8-9;
- Fig. 3. Webster, 1973, p. 73. Donovan et al., 2009, p. 32, Pl. 4, fig. 9; Fig. 12, nos. A-B.
- Silurian, Wenlockian, Much Wenlock Limestone, Dudley Limestone. United Kingdom
- Calceocrinus articulatus* (Billings, 1859) = *Cremaocrinus articulatus*
- Calceocrinus barrandii* Walcott, 1883, p. 6, Pl. 17, figs. 1-2 (adv. pub.). Walcott, 1884, p. 212, Pl. 17, figs. 1-2. Miller, S. A., 1889, p. 230. Bassler and Moodey, 1943, p. 469. Moore, 1962a, p. 21, Figs. 7, no. D; 11, no. C. Webster, 1973, p. 73. Brower, 1982, p. 92, Figs. 32, no. I; 33-38. Webster, 1988, p. 46. Brower, 2008a, p. 67, Figs. 12-13.
- Eucheirocrinus barrandii* (Walcott, 1883). Bassler and Moodey, 1943, p. 469. Ordovician, Katian (Trentonian), Trenton Limestone: United States, New York Ordovician, Katian, Cincinnati, Rust Formation, Spillway Member. United States, New York

*Calceocrinus barrisi* Worthen, 1875 = *Halysiocrinus barrisi* = *Synchirocrinus barrisi*

*Calceocrinus bassleri* Springer, 1926 = *Synchirocrinus bassleri*

*Calceocrinus bidentatus* Ringuenberg, 1889 = *Eohalysiocrinus? typus*

*Calceocrinus bifurcatus* Springer, 1926 = *Synchirocrinus bifurcatus*

*Calceocrinus bohemicus* Prokop, 1970a, p. 84, Pls. 1, figs. 1-8; 2, fig. 1; Figs. 3, 4B.  
Webster, 1977, p. 51. Brower, 1982, p. 92, Fig. 33-38. Webster, 1988, p. 46.  
Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

*Calceocrinus bradleyi* Meek and Worthen, 1869 = *Halysiocrinus bradleyi*

*Calceocrinus? bradleyi* Meek and Worthen, 1869 = *Halysiocrinus bradleyi*

*Calceocrinus centervillensis* Foerste, 1936 = *Synchirocrinus centervillensis* =  
*\*Stibarocrinus centervillensis*

- \**Calceocrinus chrysalis* (Hall, 1860). Hall, 1879a, p. 147, Fig. 2. Miller, S. A., 1889, p. 230. Hall, 1882b, p. 281, Fig. 2. Bassler, 1915, p. 508. Bassler and Moodey, 1943, p. 469. Moore, 1962a, p. 20, Pl. 1, fig. 2; Figs. 7, no. E; 11, no. D. Bolton, T. E., 1966, p. 26, Pl. 10, fig. 9. Webster, 1973, p. 73. Webster, 1977, p. 51. Moore and Lane *in* Moore and Teichert, 1978, p. T525, Fig. 326, no. 5. Brett, 1981a, p. 153. Pl. 1, figs. 1-7; Fig. 1. Brower, 1982, p. 92, Figs. 32, no. H; 33-38. Brett, 1984, p. 92, Fig. 2, no. D. Webster, 1986, p. 83. Webster, 1988, p. 46. Brower, 1990, p. 301, Fig. 7, nos. 17-18. Webster, 1993, p. 33.
- Cheirocrinus chrysalis* Hall, 1860b, p. 123, Figs. 1-5. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 231. Bassler, 1915, p. 508. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 469.
- Cheirocrinus (Calceocrinus?) chrysalis* Hall, 1860. Shumard, 1868, p. 358.
- Euheirocrinus chrysalis* (Hall, 1860). Springer, 1926a, p. 112, Pl. 29, figs. 1-3; Fig. 3, no. a. Bassler and Moodey, 1943, p. 469. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 3. Moore and Laudon, 1944, p. 145, Pl. 55, fig. 6. Webster, 1973, p. 73.
- Proclivocrinus chrysalis* (Hall, 1860). Ringuenberg, 1889, p. 399, Pl. 10, figs. 7, 13. Bassler, 1915, p. 508. Bassler and Moodey, 1943, p. 469.
- Cremacrinus chrysalis* (Hall, 1860). Ulrich, E. O., 1886, p. 111. Bassler, 1915, p. 508.
- Crinocystites chrysalis* (Hall, 1864). Bassler, 1938, p. 75.
- Calceocrinus radicululus* Ringuenberg, 1882, p. 120, Pl. 5, figs. 3-3a. Bassler, 1915, p. 508. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 469.
- Calceocrinus radricula* Ringuenberg, 1882. Miller, S. A., 1889, p. 230. Grabau and Shimer, 1910, p. 503. Bassler, 1915, p. 508.
- Proclivocrinus radicululus* (Ringuenberg, 1882). Ringuenberg, 1889, p. 397, Pl. 10, fig. 6. Bassler, 1915, p. 508. Bassler and Moodey, 1943, p. 469.
- Euheirocrinus radicululus* (Ringuenberg, 1882). Bassler, 1915, p. 508.



Middle to Late Silurian, Niagaran, Rochester Shale. United States, New York;  
Canada, Ontario

*Calceocrinus clarus* (Hall, 1862) = *Halysiocrinus clarus* = \**Deltacrinus clarus*

*Calceocrinus constrictus* Brower, 1966, p. 623, Pl. 75, figs. 21, 26-27; Fig. 2, nos. A, E.  
Brower, 1973, p. 451, Pl. 78, figs. 2-3. Webster, 1973, p. 73. Webster, 1977, p.  
51. Brower, 1982, p. 93. Webster, 1988, p. 46.  
Ordovician, Hirnantian, Cincinnati, Orchard Creek Shale, Girardeau Limestone.  
United States, Illinois

*Calceocrinus contractus* Ringuenberg, 1889 = *Deltocrinus contractus* = *Catatonocrinus halli*

*Calceocrinus dactylus* (Hall, 1860) = *Halysiocrinus dactylus*

*Calceocrinus fletcheri* (Salter, 1873) = *Cheirocrinus fletcheri* = *Chirocrinus fletcheri*

*Calceocrinus foerstei* Springer, 1926 = *Synchirocrinus foerstei*

*Calceocrinus furcillatus* Billings, 1887 = *Castocrinus furcillatus* = *Cremacrinus furcillatus*

*Calceocrinus gossmani* Brower and Strimple, 1983, p. 1268, Figs. 4-5. Webster, 1988  
p.  
46.  
Ordovician, Katian, Galena Group, Dunleith Formation, Sherwood Member. United  
States, Minnesota

*Calceocrinus gotlandicus* (Angelin, 1878) = *Chirocrinus gotlandicus*

*Calceocrinus gradatus* (Salter, 1873) = *Synchirocrinus gradatus*

*Calceocrinus gamachicus* Ausich and Copper, 2010, p. 65, Pl. 12, fig. 10; Fig. 11.10.  
Ordovician, Hirnantian, Ellis Bay Formation, Lousy Cove Member. Canada, Quebec,  
Anticosti Island

*Calceocrinus? granuliferous* Rowley, 1903 = *Halysiocrinus granuliferus* = *Halysiocrinus tunicatus*

*Calceocrinus halli* Ringuenberg, 1889 = *Synchirocrinus? halli* = \**Catatonocrinus halli*

*Calceocrinus humilis* Strimple, 1963d, p. 58, Pl. 1, figs. 12-14; Figs. 14, nos. a-d; 15,  
nos. d-f. Webster, 1973, p. 73. Brower, 1982, p. 93. Webster, 1988, p. 47.  
Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Calceocrinus inaequalis* Billings, 1859 = *Cremacrinus inaequalis*

*Calceocrinus incertus* Foerste, 1936, p. 271, Pl. 2, figs. 5-8. Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 26. Webster, 1973, p. 80. Ausich, 1984a, p. 1169, Figs. 2-3. Webster, 1988, p. 47.

*Chirocrinus incertus* (Foerste, 1936). Moore, 1962a, p. 26, Fig. 7, no. B. Webster, 1973, p. 80. Ausich, 1984a, p. 1169. Webster, 1988, p. 47.  
Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

*Calceocrinus inclinus* Ramsbottom, 1952 = *Synchirocrinus inclinus*

*Calceocrinus indianensis* Miller, S. A., 1891b, p. 35 (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 645, Pl. 6, fig. 37. Bassler and Moodey, 1943, p. 469.

Moore, 1962a, p. 20. Webster, 1973, p. 73.  
*Eucheirocrinus indianensis* (Miller, 1891). Springer, 1926a, p. 114, Pl. 29, figs. 4-4b. Bassler and Moodey, 1943, p. 469.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Calceocrinus interpres* Bather, 1893 = *Synchirocrinus interpres*

*Calceocrinus kentuckiensis* Miller and Gurley, 1894 = *Cremacrinus kentuckiensis*

*Calceocrinus lamellosus* (Hall, 1860) = *Halysiocrinus? lamellosus*

*Calceocrinus levorsoni* Brower and Strimple, 1983, p. 1263, Figs. 1-3. Webster, 1988, p. 47. Brower, 1990, p. 301, Fig. 7, nos. 15-16. Webster, 1993, p. 33.  
Ordovician, Katian, Maquoketa Formation, Ft. Atkinson Member. United States, Iowa

*Calceocrinus longifrons* Brower, 1977, p. 13, Pls. 3, figs. 2-3; 4, figs. 1-8. Brower, 1982, p. 90, Figs. 31, nos. I-L. Webster, 1986, p. 83. Webster, 1988, p. 47. Brower, 1990, p. 301, Fig. 7, nos. 13-14. Webster, 1993, p. 33.

*Calceocrinus?* n. sp. Brower, 1966, p. 620, Pl. 75, fig. 24; Fig. 1, nos. J-K. Webster, 1973, p. 74. Brower, 1977, p. 13. Webster, 1986, p. 83.  
Ordovician, Sandbian, Bromide Limestone, Pooleville Member. United States, Oklahoma

*Calceocrinus marylandicus* Ohern, 1913 = *Halysiocrinus marylandicus*

*Calceocrinus minor* (Springer, 1926). Moore, 1962a, p. 20, Figs. 7, no. C; 11, no. B. Prokop, 1970a, p. 85, Fig. 4, no. A. Webster, 1973, p. 73. Webster, 1977, p. 51. Brower, 1982, p. 92, Figs. 32, no. G; 33-38. Webster, 1988, p. 47.

*Eucheirocrinus minor* Springer, 1926a, p. 112, Pl. 29, figs. 5-5b. Bassler and Moodey, 1943, p. 469. Moore, 1962a, p. 20. Webster, 1973, p. 73.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Calceocrinus multibifurcatus* Brower, 1966, p. 624, Pl. 75, figs. 17-18; Figs. 2, nos. D, H. Webster, 1973, p. 73. Brower, 1982, p. 92, Figs. 33-38. Webster, 1988, p. 47.

Ordovician, Katian (Trentonian), Kirkfield crinoid beds. Canada, Ontario

*Calceocrinus nidamentum* Donovan et al., 2009, p. 35, Pl. 6, fig. 5.  
Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom

*Calceocrinus nitidus* Bather, 1893 = *Synchirocrinus nitidus*

*Calceocrinus nodosus* (Hall, 1860) = *Deltacrinus nodosus* = *Halysiocrinus nodosus* = *H. tunicatus*

*Calceocrinus ontario* (Springer, 1919). Moore, 1962a, p. 20, Fig. 7, no. G. Webster, 1973, p. 73. Brower, 1982, p. 93. Webster, 1988, p. 47.  
*Eucheirocrinus ontario* Springer, 1919a, p. 127, Fig. 6. Bassler and Moodey, 1943, p. 469. Moore, 1962a, p. 20. Webster, 1973, p. 73.  
Silurian, Llandoveryian, Cataract Formation, Manitoulin Beds. Canada, Ontario

*Calceocrinus perplexus* (Shumard, 1866) = *Halysiocrinus tunicatus*

*Calceocrinus? perplexus* (Shumard, 1868) = *Halysiocrinus tunicatus*

*Calceocrinus pinnulatus* Bather, 1893 = *Chiropinna pinnulatus*

*Calceocrinus pugil* Bather, 1893 = *Synchirocrinus pugil*

*Calceocrinus punctatus* (Ulrich, 1886) = *Cremacrinus punctatus*

*Calceocrinus pustulosus* Johnson in Brower, 1966, p. 627, Pl. 75, fig. 13; Fig. 2, no. C. Webster, 1973, p. 74. Brower, 1982, p. 92, Figs. 32, no. L; 33-38. Eckert, 1984, p. 21, Pl. 4, fig. 12; Fig. 9. Webster, 1988, p. 47.  
Silurian, Llandoveryian (Albion), Cataract Formation, Manitoulin Formation. Canada, Ontario

*Calceocrinus radricula* Ringueberg, 1882 = *Calceocrinus chrysalis*

*Calceocrinus radculus* Ringueberg, 1882 = *Proclivocrinus radculus* = *Eucheirocrinus chrysalis* = *Calceocrinus chrysalis*

*Calceocrinus robustus* Worthen, 1890 = *Halysiocrinus tunicatus*

*Calceocrinus rugosus* Billings, 1887 = *Castocrinus rugosus* = *Cremacrinus rugosus*

*Calceocrinus rugosus* Billings, 1887 = *Cremacrinus rugosus*

*Calceocrinus (Cheirocrinus) secundus* Hall, 1872 = *Deltacrinus secundus* = *Halysiocrinus secundus*

*Calceocrinus serialis* (Salter, 1859) = *Syncheirocrinus serialis*

- Calceocrinus stigmatus* (Hall, 1863). Shumard, 1866, p. 358. Hall, 1877, p. 147, Pl. 19, figs. 9-11; mus. ed. Hall, 1879a, p. 147, Pl. 19, figs. 9-11. Hall, 1882b, p. 281, Pl. 19, figs. 9-11. Miller, S. A., 1889, p. 230. Bassler, 1915, p. 393. Springer, 1926a, p. 119, Pl. 29, fig. 16. Bassler and Moodey, 1943, p. 346.
- Cheirocrinus stigmatus* Hall, 1863a, p. 31. Hall, 1864b, p. 225. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 231. Bassler, 1915, p. 393. Bassler and Moodey, 1943, p. 346.
- Cheirocrinus (Calceocrinus?) stigmatus* Hall, 1863. Shumard, 1868, p. 359.
- Deltacrinus stigmatus* Ulrich, E. O., 1886, p. 111. Miller, S. A., 1889, p. 238, Fig. 281. Bassler, 1915, p. 393.
- Silurian, Niagaran, Waldron Shale. United States, Indiana
- Calceocrinus tenax* Bather, 1893 = *Synchirocrinus tenax*
- Calceocrinus tridactylus* Eckert, 1984, p. 21, Pl. 4, figs. 5-9; Fig. 10, nos. A-C. Webster, 1988, p. 47.
- Silurian, Llandoveryan, Cabot Head Formation. Canada, Ontario
- Calceocrinus tucanus* Bather, 1893 = *Synchirocrinus tucanus* = *Eohalysiocrinus typus*
- Calceocrinus tunicatus* (Hall, 1860) = *Halysiocrinus tunicatus*
- Calceocrinus turnbulli* Donovan, 1993a, p. 6, Figs. 3, nos. B-C; 4; 5, nos. A-B.
- Pisocrinus* sp. Sevastopulo *et al.*, 1989, p. 265. Donovan, 1989b, p. 69. Donovan and Clark, 1992, Fig. 1. Donovan, 1993a, p. 6. Donovan *et al.*, 2008, p. 51, Fig. 14, nos. A-D. Donovan *et al.*, 2009, p. 34, Fig. 13.
- Silurian, early Llandoveryan, Rhuddanian, Gasworks Mudstone or Gasworks Sandstone; Haverford Mudstone Formation. United Kingdom, Wales
- Calceocrinus typus* Ringueberg, 1889 = *Synchirocrinus typus* = *Eohalysiocrinus? typus*
- Calceocrinus ventricosus* Hall, 1860 = *Halysiocrinus dactylus*
- Calceocrinus? wachsmuthi* Meek and Worthen, 1869 = *Halysiocrinus wachsmuthi*
- Calceocrinus? n. sp.* Brower, 1966 = *Calceocrinus longifrons*
- Calceocrinus* sp. Hauser, 1997, Pl. 75, fig. 3.
- Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany
- Calceocrinus? spp.*
- Donovan, 1993a, p. 8, Figs. 2, nos. B-E; 3, nos. D-E; 5, no. C. Donovan *et al.*, 2009, p. 35, Fig. 14.
- Silurian, early Llandoveryan, Rhuddanian, top of Haverford Mudstone Formation or Gasworks Sandstone Formation. United Kingdom, Wales
- Ausich and Copper, 2010, p. 66, Pl. 12, fig. 7, Fig. 11.3.

Ordovician, Hirnantian, Ellis Bay Formation, Lousy Cove Member. Canada,  
Quebec, Anticosti Island

*Calceocrinus* sp. Hall, 1860 = *Catatonocrinus halli*

**CALCEOLISPONGIA** Etheridge, 1915. \**C. hindei* Etheridge, 1915.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Calceolispongiidae

Etheridge, 1914, p. 9. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 347.

Moore and Laudon, 1943b, p. 62. Branson, C. C., 1948, p. 182. Teichert, 1949,  
p. 54, Figs. 2-5, 7. Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 74.

Webster, 1977, p. 51. Ubaghs *in* Moore and Teichert, 1978, p. T193, Fig. 163,  
no. 2. Lane *in* Moore and Teichert, 1978, p. T755. Willink, 1979b, p. 164, Figs. 9,  
no. A; 10, nos. A, D; 12, nos. A-B; 14. Webster, 1986, p. 84. Teichert, 1991, p.  
116. Teichert and Webster, 1993, p. 9. Webster, 1993, p. 33. Webster and Jell,  
1999b, p. 319.

**DINOCRINUS** Wanner, 1916, p. 313. \**D. cornutus* Wanner, 1916. Wanner, 1924,  
p. 180, 243. Wanner, 1937, p. 182. Bassler, 1938, p. 88. Bassler and Moodey,  
1943, p. 427. Teichert, 1949, p. 41.

Named, currently recognized species based on cups or crowns: 29 Permian  
species.

1 Sakmarian, 2 Sakmarian-Artinskian, 15 Artinskian, 1 Artinskian-Kazanian, 1  
Artinskian-Kungurian, 1 Kungurian, 1 late Roadian – middle Capitanian  
undesignated, 7 undesignated series

Permian, Sakmarian - Wordian. Australia, West Timor, India

*Calceolispongia abundans* Teichert, 1949, p. 54, Pls. 1, figs. 2, 7, 12, 21-22; 6, figs.  
21-22; 8, fig. 2; 9; 10, figs. 1-10, 13-38; 11; 12. Webster, 1986, p. 84. Webster,  
1990, p. 68, Pl. 3, figs. 6-9. Teichert, 1991, p. 116. Teichert and Webster, 1993,  
p. 10, Pl. 67, figs. 1-15. Webster, 1993, p. 33. Webster and Jell, 1999b, p. 321,  
Figs. 23, nos. A-C; 24, nos. A-C. Hess *in* Hess et al., 1999 p. 162, Fig. 176.

*Calceolispongia abundans* Teichert, 1949. Webster, 1973, p. 74 (sic).

Permian, late Artinskian, lower part of Wandagee Formation. Australia, Western  
Australia

*Calceolispongia abundans* Teichert, 1949 = *C. abundans*

*Calceolispongia aculeata* (Wanner, 1924). Branson, C. C., 1948, p. 182. Teichert,  
1949, p. 41, Pl. 25, figs. 23-24. Webster, 1973, p. 74.

*Dinocrinus aculeatus* Wanner, 1924, p. 248, Pl. 14, figs. 18-21. Bassler and  
Moodey, 1943, p. 427. Teichert, 1949, p. 41. Webster, 1973, p. 74.

Permian, series uncertain. West Timor

*Calceolispongia acuminata* Teichert, 1949, p. 59, Pl. 3, figs. 8-35. Webster, 1973, p.  
74. Teichert, 1991, p. 116. Teichert and Webster, 1993, p. 10, Pl. 68, figs. 1-2,  
9-10, 22.

Permian, Artinskian, uppermost part of Bulgadoo Series; Barrabiddy Shale Series;  
Byro Series. Australia, Western Australia

*Calceolispongia barrabiddiensis* Teichert, 1949, p. 60, Pl. 3, figs. 1-7. Webster, 1973, p. 74. Teichert, 1991, p. 117. Teichert and Webster, 1993, p.11, Pl. 68, figs. 3-8. Permian, late Artinskian, Barrabiddy Shale Series, Coyrie Formation. Australia, Western Australia

*Calceolispongia bicornuta* (Wanner, 1940).

*Calceolispongia? bicornuta* (Wanner, 1940). Branson, C. C., 1948, p. 182.

*Dinocrinus(?) bicornutus* Wanner, 1940, p. 241, Pl. 18, figs. 50-53. Branson, C. C., 1948, p. 182.

Gen. nov. et sp. nov. ind. 4. Wanner, 1924, p. 318, Pl. 22, figs. 17-18. Wanner, 1940, p. 241.

Permian, series uncertain. West Timor

*Calceolispongia? bicornuta* (Wanner, 1940) = *Calceolispongia bicornuta*

*Calceolispongia bifurcata* (Wanner, 1937), p. 183, Pl. 12, figs. 4-6, Fig. 66. Bassler and Moodey, 1943, p. 427. Branson, C. C., 1948, p. 183. Teichert, 1949, p. 41, Pl. 25, figs. 25-27. Webster, 1973, p. 74.

*Dinocrinus bifurcatus* Wanner, 1937, p. 183, Pl. 12, figs. 4-6; Fig. 60. Branson, C. C., 1948, p. 183. Teichert, 1949, p. 41. Webster, 1973, p. 74.

Permian, series uncertain. West Timor, Nipol Sumpek

*Calceolispongia cornuta* (Wanner, 1916). Branson, C. C., 1948, p. 183. Teichert, 1949, p. 41, Pl. 25, figs. 1-6. Webster, 1973, p. 74. Seilacher and MacClintock, 2005, p.234, Fig. 18, no. D.

*Dinocrinus cornutus* Wanner, 1916, p. 313, Pl. 97 (2), fig. 11. Wanner, 1924, p. 247, Pls. 14, fig. 10; 15, figs. 6-8. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 427. Branson, C. C., 1948, p. 183. Teichert, 1949, p. 41. Webster, 1973, p. 74.

Permian, series uncertain. West Timor, Noil Nalien, near Dorf, Tamien, Nefotassi

*Calceolispongia cracowensis* Willink, 1979b, p. 178, Pl. 8, figs. 6-28; Fig. 13, no. F. Webster, 1986, p. 84.

Late Permian, Kazanian, Barfield Formation, Crocker Formation. Australia, Queensland

*Calceolispongia diemenensis* Willink, 1979b, p. 180, Pl. 10, figs. 26-49; Fig. 13, no. B. Webster, 1986, p. 84.

Permian, early Artinskian, Crinoidal Zone of Permian Section on Maria Island. Australia, Tasmania

*Calceolispongia digitata* Teichert, 1949, p. 61, Pl. 2, figs. 1-45. Webster, 1973, p. 74. Willink, 1978b, p. 165, Fig. 15, no. A. Webster, 1987, p. 125, Fig. 15, no. F. Teichert, 1991, p. 117. Teichert and Webster, 1993, p. 12, Pls. 65, fig. 17; 68, figs. 11-21, 27-29. Webster, 1993, p. 33.

Early Permian, late Sakmarian - early Artinskian, Callytharra Formation, Holmwood Shale, Fossil Cliff Member. Australia, Western Australia

- Calceolispongia elegans* (Marez Oyens, 1940). Branson, C. C., 1948, p. 183.  
Teichert, 1949, p. 41, Pl. 25, figs. 28-30. Webster, 1973, p. 74.  
*Dinocrinus elegans* Marez Oyens, 1940a, p. 335, Pl. 4, fig. 4. Bassler and Moodey, 1943, p. 427. Branson, C. C., 1948, p. 183. Teichert, 1949, p. 41. Webster, 1973, p. 74.  
Permian, series uncertain. West Timor
- Calceolispongia elegantula* Teichert, 1949, p. 63, Pls. 1, figs. 1, 8, 13, 25; 5, figs. 14-16; 6, figs. 1-20, 23-80; 7; 8, fig. 1. Webster, 1973, p. 74. Lane *in* Moore and Teichert, 1978, p. T755, Fig. 501, nos. 1a-1b. Teichert, 1991, p. 117. Teichert and Webster, 1993, p. 12, Pl. 68, figs. 23-26, 30-41, 44. Seilacher and MacClintock, 2005, p. 234, Fig. 18, no. E.  
*Calceolispongia elegantulua* Teichert, 1949. Webster, 1986, p. 84 (sic).  
Early Permian, late Artinskian, lower part of Wandagee Series. Australia, Western Australia
- Calceolispongia elegantulua* Teichert, 1949 = *Calceolispongia elegantula*
- Calceolispongia gerthi* Willink, 1979b, p. 180, Pl. 10, figs. 1-25; Fig. 13, no. C.  
Webster, 1986, p. 84. Webster and Jell, 1999b, p. 326, Fig. 26, nos. E-G.  
Permian, early Artinskian, Crinoidal Zone of Berridale Formation. Australia, Tasmania
- \**Calceolispongia hindei* Etheridge, 1915, p. 9, Pl. 4, figs. 1-9; 7, figs. 5-6. Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 347. Branson, C. C., 1948, p. 183. Teichert, 1949, p. 71, Pls. 21; 22; 23, figs. 1-12, 22-31. Webster, 1973, p. 74. Teichert, 1991, p. 117. Teichert and Webster, 1993, p. 13, Pl. 68, figs. 42-43, 45-52, 54-57.  
*Dinocrinus cornutus* var. *hindei* (Etheridge, 1915), Gerth, 1936, p. 866, Figs. 1-3. Bassler and Moodey, 1943, p. 347. Branson, C. C., 1948, p. 183.  
Permian, late Artinskian - Kungurian, upper part of Nooncanbah Series, lowest part of Coolkilya Sandstone; Wandagee Series. Australia, Western Australia
- Calceolispongia horrida* (Wanner, 1940).  
*Calceolispongia? horrida* (Wanner, 1940). Branson, C. C., 1948, p. 183.  
*Dinocrinus(?) horridus* Wanner, 1940, p. 239, Pl. 18, figs. 42-49; Fig. 23. Branson, C. C., 1948, p. 183.  
Gen. nov. et spec. nov. ind. 1 Wanner, 1916, p. 314, Pl. 19, figs. 19-20. Wanner, 1940, p. 239.  
Gen. nov. et spec. nov. ind. 1 Wanner, 1924, p. 318, Pl. 22, figs. 15-16. Wanner, 1940, p. 239.  
Permian, series uncertain. West Timor
- Calceolispongia? horrida* (Wanner, 1940) = *Calceolispongia horrida*
- Calceolispongia kalewaensis* Dickens, 1968, p. 20, Pl. 4, figs. 1-27; Fig. 3. Webster, 1977, p. 51. Willink, 1979b, p. 178, Pl. 9, figs. 1-6; Fig. 13, no. G. Webster, 1986, p. 84.

Permian, late Roadian – middle Capitanian undesignated, Barfield Formation.  
Australia, Queensland

*Calceolispongia lizziensis* Willink, 1979b, p. 179, Pl. 9, figs. 7-32; Fig. 13, no. A.  
Webster, 1986, p. 84.

Permian, Sakmarian, Lizzie Creek Volcanics. Australia, Queensland

*Calceolispongia mammeata* (Wanner, 1924). Teichert, 1949, p. 41, Pl. 25, figs. 7-11.  
Webster, 1973, p. 74. Ubaghs *in* Moore and Teichert, 1978, p. T107, Fig. 82,  
no. 1. Webster, 1986, p. 85.

*Calceolispongia mammeatus* (Wanner, 1940). Branson, C. C., 1948, p. 183.

*Dinocrinus mammeatus* Wanner, 1924, p. 244, Pls. 13, figs. 3-5; 14, figs. 11-17; 15,  
figs. 1-5. Bassler and Moodey, 1943, p. 427. Branson, C. C., 1948, p. 183.  
Teichert, 1949, p. 41. Webster, 1973, p. 75.

Permian, series uncertain. West Timor, Toö

*Calceolispongia mammeatus* (Wanner, 1940 = *Calceolispongia mammeata*)

*Calceolispongia multiformis* Teichert, 1949, p. 75, Pls. 1, figs. 3, 5-6, 10-11, 14-15, 17-  
18, 23-24; 13-16. Webster, 1973, p. 75. Teichert, 1991, p. 117. Teichert and  
Webster, 1993, p. 14, Pl. 69, figs. 1-9, 11-16, 19-20.

Permian, late Artinskian, Wandagee Formation; Noonkanbah Formation. Australia,  
Western Australia

*Calceolispongia nodosa* (Etheridge, 1892). Willink, 1979b, p. 174, Pl. 7, figs. 1-3.  
Webster, 1986, p. 85.

*Phialocrinus? nodosus* Etheridge, 1892, p. 112, Pl. 14, figs. 4-5. Bassler and  
Moodey, 1943, p. 609. Branson, C. C., 1948, p. 188.

*Aesiocrinus nodosus* (Etheridge, 1892). Branson, C. C., 1948, p. 178.

Permian, Kungurian, Upper Wandrawandian Siltstone. Australia, New South Wales

*Calceolispongia noetlingi* (Sieverts-Doreck, 1942) = *Jimbacrinus? noetlingi*

*Calceolispongia robusta* Teichert, 1949, p. 80, Pl. 24. Webster, 1973, p. 75. Lane *in*  
Moore and Teichert, 1978, p. T755, Fig. 502, no. 1. Webster, 1986, p. 85.  
Teichert, 1991, p. 117. Teichert and Webster, 1993, p. 14, Pl. 69, figs. 10, 25.  
Hess *in* Hess et al., 1999 p. 162, Fig. 176. Seilacher and MacClintock, 2005,  
p.234, Fig. 18, nos. A-C. Kendrick, 2007, p. 346, Fig. 9, no. M.

Permian, Artinskian, Wandagee Series, Coolkilya Sandstone. Australia,  
Western Australia

*Calceolispongia rotundata* Teichert, 1949, p. 83, Pls. 1, fig. 16; 4, figs. 25-42; 5, figs. 1-  
13. Webster, 1973, p. 75. Teichert, 1991, p. 117. Teichert and Webster, 1993,  
p. 15, Pl. 69, figs. 17-18, 21-24, 26-27.

Permian, late Artinskian, lower part of Wandagee Formation; Noonkanbah  
Formation. Australia, Western Australia



*Calceolispongia rubra* Teichert, 1949, p. 85, Pls. 10, figs. 11-12; 17; 18, figs. 1-36, 44-47. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 16, Pl. 70, figs. 1-4, 10-121, 28-29, 36-38, 40. Webster and Jell, 1999b, p. 324, Fig. 26, nos. A-D.

Permian, late Artinskian, lower part of Wandagee Formation. Australia, Western Australia

*Calceolispongia spectabilis* Teichert, 1949, p. 89, Pls. 1, figs. 4, 9; 18, figs. 37-43, 48; 19; 20. Webster, 1973, p. 75. Lane *in* Moore and Teichert, 1978, p. T755, Fig. 501, nos. 1c-1e. Webster, 1986, p. 85. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 16, Pl. 70, figs. 17-22, 27, 30-31, 41-44, 48-49.

Permian, late Artinskian, Wandagee Formation. Australia, Western Australia

*Calceolispongia spinosa* Teichert, 1949, p. 92, Pl. 2, figs. 46-72. Webster, 1973, p. 75. Webster, 1987, p. 126, Fig. 15, nos. G-H. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 17, Pls. 65, figs. 18-19; 70, figs. 5-9, 13-16, 23-25. Webster, 1993, p. 33. Hess *in* Hess et al., 1999 p. 162, Fig. 176.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Calceolispongia* cf. *C. spinosa* Teichert, 1949. Webster, 1987, p. 127, Fig. 15, nos. C-E; 1993, p. 33.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Calceolispongia stephensi* (Etheridge, 1892). Willink, 1979b, p. 175, Pl. 7, figs. 4-7. Webster, 1986, p. 85.

*Phialocrinus stephensi* Etheridge, 1892, p. 110, Pls. 17, fig. 1; 18, fig. 1; 22, fig. 5. Bassler and Moodey, 1943, p. 609. Branson, C. C., 1948, p. 178. Willink, 1979b, p. 175.

*Aesiocrinus stephensi* (Etheridge, 1892). Branson, C. C., 1948, p. 178. Willink, 1979b, p. 175.

Permian, Kungurian, Nowra Sandstone. Australia, New South Wales

*Calceolispongia teichertii* Willink, 1979b, p. 177, Pl. 8, figs. 1-5; Fig. 13, no. E. Webster, 1986, p. 85.

Permian, late Artinskian, lower part of Wandrawandian Siltstone. Australia, New South Wales

*Calceolispongia truncata* Teichert, 1949, p. 93, Pls. 3, figs. 36-56; 4, figs. 1-21.

Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 18, Pl. 70, figs. 32, 35, 39.

Permian, late Artinskian, Cundlego Formation. Australia, Western Australia

*Calceolispongia ulladullensis* Willink, 1979b, p. 175, Pl. 6, figs. 1-15; Figs. 10, nos. B-C; 11; 13, no. D; 15, no. B (incorrectly given as Pl. 6, figs. 1-4, p. 175). Webster, 1986, p. 85.

Permian, late Artinskian, lower part of Wandrawandian Siltstone. Australia, New

## South Wales

*Calceolispongia* sp. cf. *ulladullensis* Willink, 1979b, p. 177, Pl. 7, figs. 8-13. Webster, 1986, p. 85.

Permian, Kungurian, Nowra Sandstone. Australia, New South Wales

*Calceolispongia* spp. indet. (*gerthi-diemenensis*) Willink, 1979b, p. 181, Pls. 10, figs. 50-79; 11, figs. 40-54. Webster, 1986, p. 85.

Permian, early Artinskian, Crinoid Zone of Permian section on Maria Island. Australia, Tasmania

*Calceolispongia* sp. ind. A Teichert, 1949, p. 95, Pl. 1, figs. 19-20; 23, figs. 13-16. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 18, Pl. 70, figs. 50, 53.

Permian, Artinskian, Wandagee Series, probably Nalbia Sandstone. Australia, Western Australia

*Calceolispongia* sp. ind. B Teichert, 1949, p. 96, Pl. 23, figs. 17-18. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 19, Pl. 70, figs. 51-52.

Permian, Artinskian, Wandagee Series, Coolkilya Sandstone. Australia, Western Australia

*Calceolispongia* sp. ind. C Teichert, 1949, p. 96, Pl. 23, figs. 19-21. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 19, Pl. 68, figs. 53, 58.

Permian, Artinskian, Wandagee Series, Coolkilya Sandstone. Australia, Western Australia

*Calceolispongia* sp. ind. D Teichert, 1949, p. 96. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 19.

Permian, Artinskian, Wandagee Series, probably Baker Formation. Australia, Western Australia

*Calceolispongia* sp. ind. E Teichert, 1949, p. 97, Pl. 4, figs. 22-24. Webster, 1973, p. 75. Teichert, 1991, p. 118. Teichert and Webster, 1993, p. 19, Pl. 70, figs. 26, 33-34.

Permian, late Artinskian, Quinannie Shale. Australia, Western Australia

*Calceolispongia* sp. ind. F Teichert, 1949, p. 97, Pl. 2, figs. 73-76. Webster, 1973, p. 75. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 20, Pl. 70, figs. 45-47.

Permian, Artinskian, Barabiddy Shale Series, Coyrie Formation. Australia, Western Australia

*Calceolispongia* sp. ind. G Teichert and Webster, 1993, p. 20.

*Calceolispongia* sp. Condon, 1967, p. 35. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 20.

Permian, Asselian, Lyons Group. Australia, Western Australia

*Calceolispongia* sp. ind. H Teichert and Webster, 1993, p. 20.

*Calceolispongia* sp. Condon, 1967, p. 42. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 20.

Permian, Asselian, Lyons Group. Australia, Western Australia

*Calceolispongia* sp. ind. I Teichert and Webster, 1993, p. 20.

*Calceolispongia* sp. Condon, 1967, p. 97. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 20.

Permian, Artinskian, upper part of Billidee Formation. Australia, Western Australia

*Calceolispongia* sp. ind. J Teichert and Webster, 1993, p. 21.

*Calceolispongia* sp. Condon, 1967, p. 136. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 21.

Permian, Artinskian, Mallens Sandstone. Australia, Western Australia

*Calceolispongia* sp. ind. K Teichert and Webster, 1993, p. 21.

*Calceolispongia* sp. Condon, 1967, p. 165. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 21.

Permian, Artinskian, Quinannie Shale. Australia, Western Australia

*Calceolispongia* sp. ind. L Teichert and Webster, 1993, p. 21.

*Calceolispongia* sp. Condon, 1967, p. 173. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 21.

Permian, Roadian, Nalbia Sandstone. Australia, Western Australia

*Calceolispongia* sp. ind. M Teichert and Webster, 1993, p. 21.

*Calceolispongia* sp. ind. Guppy *et al.*, 1950, p. 8. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 21.

Permian, Artinskian, Noonkanbah Formation. Australia, Western Australia

*Calceolispongia* sp. ind. Guppy, *et al.*, 1950 = *Calceolispongia* sp. ind. M

*Calceolispongia* spp. nov.

Teichert, 1949, p. 41, Pl. 25, figs. 12-14. Webster, 1973, p. 75.

Permian, series uncertain, Basleo Beds. West Timor

Teichert, 1949, p. 41, Pl. 25, figs. 15-16. Webster, 1973, p. 75.

Permian, series uncertain, Basleo Beds. West Timor

Teichert, 1949, p. 41, Pl. 25, figs. 17-18. Webster, 1973, p. 75.

Permian, series uncertain, Basleo Beds. West Timor

Hill and Woods, 1964, p. 24, Pl. P 12, figs. 21a-21d. Webster, 1973, p. 75.

Permian, series uncertain. Australia, Queensland

Dickins *in* Condon, 1967, p. 152. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 21.

Permian, Artinskian, Mallens Sandstone. Australia, Western Australia

*Calceolispongia?* sp. nov.

Dermal tubercles of a fish Reed, 1928, p. 392, Pl. 35, figs. 14-18a.  
*Dinocrinus?* sp. nov. Reed, 1928, p. 392. Teichert, 1949, p. 6, Pl. 25, figs. 19-22.  
 Webster, 1973, p. 75.  
 Permian, Artinskian, Umaria Beds. India

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. G

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. H

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. I

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. J

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. K

*Calceolispongia* sp. Condon, 1967 = *Calceolispongia* sp. ind. L

*Calceolispongia* sp. Webster and Jell, 1999b, p. 326, Fig. 27, nos. A-B.  
 Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia,  
 Queensland

Calceolispongiidae gen. et sp. nov. A Teichert and Webster, 1993, p. 23.  
 Calceolispongiidae gen. et sp. nov. Dickins and Thomas, 1959, p. 78. Teichert,  
 1991, p. 120. Teichert and Webster, 1993, p. 23.  
 Calceolispongiidae gen. nov., sp. nov. Dickins and Thomas, 1959. Teichert, 1991,  
 p. 120.  
 Permian, late Sakmarian, Lyons Group, Carrandibby Formation. Australia,  
 Western Australia

Calceolispongiidae gen. et sp. nov. B Teichert and Webster, 1993, p. 23.  
 Calceolispongiidae sp. nov. Dickins and Thomas, 1956, p. 126. Teichert, 1991, p.  
 120. Teichert and Webster, 1993, p. 23.  
 Calceolispongiidae gen. nov., sp. nov. Dickins and Thomas, 1956. Teichert, 1991,  
 p. 120.  
 Permian, Asselian, Lyons Group. Australia, Western Australia

Calceolispongiidae gen. indet. sp. nov. A Teichert and Webster, 1993, p. 24.  
 Calceolispongiidae sp. nov. Condon, 1967, p. 48. Teichert, 1991, p. 120. Teichert  
 and Webster, 1993, p. 24.  
 Calceolispongiidae gen. ind., sp. nov. Teichert, 1991, p. 120.  
 Permian, Asselian, Lyons Group. Australia, Western Australia

Calceolispongiidae gen. indet. sp. nov. B Teichert and Webster, 1993, p. 24.  
 Calceolispongiidae gen. et sp. nov. Dickins, Towner, and Crowe, 1977, p. 277, Pl.  
 1, figs. 1-3. Teichert, 1991, p. 120. Teichert and Webster, 1993, p. 24.  
 Calceolispongiidae gen. nov.?, sp. nov. Teichert, 1991, p. 120.  
 Permian, late Asselian or early Sakmarian, Grant Formation, Wye Worry Member;  
 Carolyn Formation, Millajiddee Member. Australia, Western Australia

- Calceolispongidae? gen. et sp. indet. A Teichert and Webster, 1993, p. 24.  
 Calceolispongidae sp. Webster, 1987, p. 70, Pl. 2, fig. 14. Teichert, 1991, p. 120.  
 Teichert and Webster, 1993, p. 24.
- Calceolispongidae gen. et sp. ind. Teichert, 1991, p. 120.  
 Permian, late Sakmarian, Lyons Group, Thamborong Formation. Australia, Western  
 Australia
- Calceolispongidae gen. et sp. ind. Teichert, 1991 = Calceolispongidae? gen. et sp.  
 indet. A
- Calceolispongidae gen. et sp. nov. Dickins and Thomas, 1959 = Calceolispongidae  
 gen. et sp. nov. A
- Calceolispongidae gen. et sp. nov. Dickins et al., 1977 = Calceolispongidae gen. indet.  
 sp. nov. B
- Calceolispongidae gen. ind., sp. nov. Teichert, 1991 = Calceolispongidae gen. indet.  
 sp. nov. A
- Calceolispongidae gen. nov., sp. nov. Dickins and Thomas, 1956 = Calceolispongidae  
 gen. et sp. nov. B
- Calceolispongidae gen. nov., sp. nov. Teichert, 1991 = Calceolispongidae gen. et sp.  
 nov. A
- Calceolispongidae gen. nov.?, sp. nov. Teichert, 1991 = Calceolispongidae gen. indet.  
 sp. nov. B
- Calceolispongiidae? sp. Webster, 1987, p. 127, Fig. 15, nos. A-B. Webster, 1993, p.  
 33.  
 Permian, late Sakmarian - late Artinskian, Callytharra Formation. Australia,  
 Western Australia
- Calceolispongidae sp. nov. Condon, 1967 = Calceolispongidae gen. indet. sp. nov. A
- Calceolispongidae sp. nov. Dickins and Thomas, 1956 = Calceolispongidae gen. et sp.  
 nov. B Teichert and Webster, 1993, p. 23
- Calceolispongiidae sp. nov. Dickins, Towner, and Crowe, 1977 = Calceolispongidae  
 gen. indet. sp. nov. B Teichert and Webster, 1993, p. 24
- Calceolispongidae sp. Webster, 1987 = Calceolispongidae? gen. et sp. indet. A
- CALDENOCRINUS** Wright, 1946. \**C. curtus* Wright, 1946.  
 Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.  
 Euryocrinidae

Wright, J., 1946a, p. 33. Ubaghs, 1953, p. 755. Strimple and Watkins, 1969, p. 227. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 75. Webster, 1977, p. 51. Moore *in* Moore and Teichert, 1978, p. T811, Figs. 506, no. 9b; 508, no. 1i. Webster, 1986, p. 86. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 33.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Caldenocrinus curtus* Wright, J., 1946a, p. 34, Pls. 3, figs. 1-5, 14, 17; 4, figs. 4, 8-9. Wright, J., 1954a, p. 158, Pls. 41, fig. 13; 43, figs. 1-4, 8, 10-13, 19. Webster, 1973, p. 76. Moore *in* Moore and Teichert, 1978, p. T811, Figs. 544, no. 1; 545, nos. 1a-1c. Webster, 1986, p. 86.

Mississippian, Viséan, Tower Limestone. United Kingdom, Scotland

**CALEIDOCRINUS** Waagen and Jahn *in* Jahn, 1899. \**C. multiramus* Barrande *in* Waagen and Jahn *in* Jahn, 1899.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae  
Waagen and Jahn *in* Jahn, 1892, p. 399. Waagen and Jahn *in* Jahn, 1899, p. 106. Bather, 1900b, p. 111. Bather *in* Lankester, 1900, p. 202. Springer, 1906, p. 485. Springer *in* Zittel, 1913, p. 206. Springer, 1920a, p. 442. Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 347. Moore and Laudon, 1943b, p. 31. Webster, 1973, p. 76. Moore and Lane *in* Moore and Teichert, 1978, p. T552. Webster, 1986, p. 86. Rozhnov, 1988, p. 68. Rozhnov, 1989, p. 63. Webster, 1988, p. 47. Donovan, 1989f, p. 247, Fig. 11.4, no. A. Webster, 1993, p. 34. Ausich, 1998b, p.

27.

**KALEIDOCRINUS** Jaekel, 1902, p. 1075. Jaekel, 1918, p. 57. Bassler, 1938, p. 120. Bassler and Moodey, 1943, p. 347.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwillian-Sandbian species

Ordovician, Darriwillian – Sandbian; (Llandeilian - early Caradocian). Czech Republic

cf. *Caleidocrinus* Whittard, 1933 = *Iocrinus shelvensis*

*Caleidocrinus barrandei* Waagen and Jahn, 1899, p. 112, Fig. 31, nos. a-b. Bassler and Moodey, 1943, p. 347.

Ordovician, Darriwillian - Sandbian (Llandeilian - early Caradocian). Czech Republic, Bohemia

*Caleidocrinus multiramus* Waagen and Jahn, 1899 = *Caleidocrinus (Caleidocrinus) multiramus*

**CALEIDOCRINUS (CALEIDOCRINUS)** Donovan, 1985 \**Caleidocrinus multiramus* Waagen and Jahn, 1899

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae  
Donovan, 1985b, p. 112. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician,

Sandbian species  
Ordovician, Sandbian. Czech Republic, Bohemia

- \**Caleidocrinus (Caleidocrinus) multiramus* Barrande in Waagen and Jahn, 1899.  
Donovan, 1985b, p. 112, Figs. 1, 2, no. A; 3-4, 5, no. C; 6. Webster, 1986, p. 86.  
Webster, 1988, p. 47.
- Caleidocrinus multiramus* Waagen and Jahn, 1899, p. 399. Waagen and Jahn, 1899, p. 112, Pl. 63, figs. 1-22; Figs. 27-30. Bather, 1900b, p. 111, Fig. 5.  
Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 347. Moore and Lane in Moore and Teichert, 1978, p. T552, Fig. 345, nos. 1a-1b. Turek, 1988, p. 372, Fig. 1. Donovan, 1989e, p. 247, Fig. 11.4, no. A. Prokop and Petr, 1990, p. 18, 35, Pl. 4, fig. 5. Donovan, 1991b, p. 247, Fig. 11.4, no. A. Webster, 1993, p. 34.
- locrinus ("Caleidocrinus") multiramus* Springer, 1920a, p. 442, Pls. 75, fig. 9; 76, fig. 24. Bassler and Moodey, 1943, p. 347.
- Caleidocrinus* sp. ind. Waagen and Jahn, 1899, p. 112, Pl. 63, fig. 9-10, 11-15, 16-18, 19 (crown mold), 1-22 (stem frags). Prokop and Petr, 1990, p. 18.  
Webster, 1993, p. 34.
- Ordovician, Sandbian, Letna Formation. Czech Republic, Bohemia

*Caleidocrinus (Caleidocrinus) multiramus?* Waagen and Jahn, 1899 = Crinoidearum ordo, fam., gen. et sp. ind.

**CALEIDOCRINUS (HUXLEYOCRINUS)** Donovan, 1985. \**Caleidocrinus turgidulus* Ramsbottom, 1961.  
Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae  
Donovan, 1985b, p. 118. Webster, 1988, p. 47. Ausich, 1998b, p. 36.  
Named, currently recognized species based on cups or crowns: 2 Ordovician species, 1 Darriwilian, 1 Katian  
Ordovician, Darriwilian (late Llanvirnian); Sandbian. Czech Republic, Bohemia  
Ordovician, Katian. United States, Iowa

*Caleidocrinus (Huxleyocrinus) gerki* Brower, 1992b, p. 976, Figs. 4-5. Sloan, 2005, p. 153, Fig. 4-61, no. 15. Adrian, 2009, p. 30, Fig. 5 center.  
Ordovician, Katian, Galena Group, Dunleith Formation, Sherwood Member.  
United States, Iowa

*Caleidocrinus (\*Huxleyocrinus) turgidulus* Ramsbottom, 1961. Donovan, 1985b, p. 118, Figs. 5, nos. A-B; 7. Webster, 1986, p. 86. Webster, 1988, p. 48.  
*Caleidocrinus turgidulus* Ramsbottom, 1961, p. 6, Pl. 1, figs. 1-2. Webster, 1973, p. 76.  
*Caleidocrinus turquidulus* Ramsbottom, 1961. Moore and Lane in Moore and Teichert, 1978, p. T553, Fig. 346, no. 1c (sic).  
*Cyathocrinus* sp. Huxley and Etheridge, 1878. Ramsbottom, 1961, p. 6.  
Ordovician, Darriwilian, Llanvirnian, red agglomerate and ash. United Kingdom, Scotland

*Caleidocrinus* cf. *turgidulus* Ramsbottom, 1961. Botting, 2003, p. 699, Pl. 4, figs. 1-2, 5-6.

Ordovician, Darriwilian, Llanvirnian, volcanogenic sandstones. United Kingdom, Wales

*Caleidocrinus turgidulus* Ramsbottom, 1961 = *Caleidocrinus* (\**Huxleyocrinus*) *turgidulus*

*Caleidocrinus turquidulus* Ramsbottom, 1961 = *Caleidocrinus turgidulus*

*Caleidocrinus* sp. ind. Waagen and Jahn, 1899 = *Caleidocrinus* (*Caleidocrinus*) *multiramus*

*Caleidocrinus* sp. ind. Prokop and Petr, 1998a, p. 15.

*Cystidea incepta* Barrande, 1887a, p. 179, Pl. 38, figs. 17-17A. Bassler and Moodey, 1943, p. 148. Prokop and Petr, 1998a, p. 15.

Ordovician, Sandbian, Caradocian, Letna Formation. Czech Republic, Brabov Hill

Calices indéterminé Termier, G. and Termier, H., 1950, p. 200, Pl. 208, figs. 29-31, 33, 35. Webster, 1973, p. 272 (theca).  
Pennsylvanian, Westphalian. Algeria

**CALLAWAYCRINUS** Rowley, 1895 = **DACTYLOCRINUS**

**CALLICRINUS** Angelin, 1878 = **CALLIOCRINUS**

*Callicrinus acanthinus* Ringueberg, 1890 = *Calliocrinus acanthinus*

*Callicrinus beachleri* Wachsmuth and Springer, 1892 = *Calliocrinus beachleri*

*Callicrinus beyrichianus* Angelin, 1878 = *Calliocrinus beyrichianus*

*Callicrinus bifurcatus* Weller, 1900 = *Calliocrinus bifurcatus*

*Callicrinus bilobus* Weller, 1897 = *Calliocrinus bilobus*

*Callicrinus cornutus* (Hall, 1865) = *Calliocrinus cornutus*

*Callicrinus corrugatus* (Weller, 1897) = *Calliocrinus corrugatus*

*Callicrinus costatus* (Hisinger, 1837) = *Calliocrinus costatus*

*Callicrinus desideratus* Weller, 1900 = *Calliocrinus desideratus*

*Callicrinus diadema* Angelin, 1878 = *Calliocrinus diadema*

*Callicrinus digitatus* (Weller, 1897) = *Calliocrinus digitatus*

*Callicrinus hydei* (Weller, 1897) = *Calliocrinus hydei*



*Callicrinus koninckianus* Angelin, 1878 = *Calliocrinus koninckianus*

*Callicrinus longispinus* Weller, 1900 = *Calliocrinus longispinus*

*Callicrinus minor* Angelin, 1878 = *Calliocrinus minor*

*Callicrinus murchisoni* Angelin, 1878 = *Callicrinus murchisonianus*

*Callicrinus murchisonianus* Angelin, 1878 = *Calliocrinus murchisonianus*

*Callicrinus pentangularis* Weller, 1900 = *Calliocrinus pentangularis*

*Callicrinus primibrachialis* Busch, 1943 = *Calliocrinus primibrachialis*

*Callicrinus? ramifer* (Roemer, 1860) = *Gazacrinus ramifer*

*Callicrinus roemerianus* Angelin, 1878 = *Calliocrinus roemerianus*

*Callicrinus sedgwickianus* Angelin, 1878 = *Calliocrinus sedgwickianus*

*Callicrinus uralicus* Tschernyschew, 1893 = *Calliocrinus uralicus*

**CALLIMORPHOCRINUS** Peck, 1936 = **KALLIMORPHOCRINUS**

*Callimorphocrinus astrus* Weller, 1930 = *Kallimorphocrinus astrus*

*Callimorphocrinus elongatus* Wright, 1939 = *Allagecrinus elongatus* = *Kallimorphocrinus elongatus*

*Callimorphocrinus jakovlevi* (Wanner, 1929) = *Wrightocrinus jakovlevi*

*Callimorphocrinus pristinus* Peck, 1936 = *Litocrinus pristinus*

*Callimorphocrinus puteatus* Peck, 1936 = *Litocrinus puteatus*

*Callimorphocrinus quinquebrachiatus* (Wanner, 1937) = *Kallimorphocrinus quinquebrachiatus* = *Metallagecrinus quinquebrachiatus*

*Callimorphocrinus scoticus* var. *contractus* Wright, 1939 = *Kallimorphocrinus scoticus contractus* = *Litocrinus scoticus contractus*

**CALLIOCRINITES** Chapman, 1857 = **CALLIOCRINUS**

**CALLIOCRINUS** d'Orbigny, 1850. \**Eugeniocrinites? costatus* Hisinger, 1837.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Eucalyptocrinitidae

d'Orbigny, 1849-51, p. 141. d'Orbigny, 1850, p. 45. Pictet, 1857, p. 301. Bigsby,

- 1868, p. 18. Bassler, 1938, p. 57. Bassler and Moodey, 1943, p. 347. Moore and Laudon, 1943b, p. 99. Moore and Laudon, 1944, p. 201. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 742. Arendt and Hecker, 1964, p. 97. Webster, 1973, p. 76. Koken, 1896, p. 284. Wachsmuth and Springer, 1897, p. 353. Weller, S., 1897, p. 774. Weller, S., 1900, p. 117. Bather *in* Lankester, 1900, p. 164. Wachsmuth *in* Zittel, 1900, p. 149. Grabau and Shimer, 1910, p. 560. Bassler, 1915, p. 158. Abel, 1924, p. 275. Springer, 1926a, p. 50. Bassler, 1938, p. 57. Bassler and Moodey, 1943, p. 348. Ubaghs *in* Moore and Teichert, 1978, p. T496. Witzke and Strimple, 1981, p. 132. Smith, A. B., 1985, p. 168. Webster, 1986, p. 86. Webster, 1988, p. 48. Donovan et al., 2012, p. 188.
- CALLIOCRINITES* Chapman, E. J., 1857, p. 304. Bassler and Moodey, 1943, p. 348.
- CRYPTODISCUS* Hall, 1865a, Pl. 11, fig. 8. \**C. bilobus* Weller, 1897, SD. Hall, 1868, Fig. 18. Weller, S., 1897, p. 744. Weller, 1900, p. 121. Bather *in* Lankester, 1900, p. 164. Bassler, 1938, p. 77. Bassler and Moodey, 1943, p. 348.
- CALLICRINUS* Angelin, 1878, p. 14. Ubaghs *in* Moore and Teichert, 1978, p. T496. Named, currently recognized species based on cups or crowns: 21 species, 1 subspecies. Silurian, 1 Llandoveryan, 9 Wenlockian, 10 Niagaran (+1 subspecies); 1 Early Devonian, series undesignated
- Silurian, Wenlockian. Sweden  
 Silurian, Wenlockian. United Kingdom, Scotland  
 Early Devonian, series not given. Russia, Ural Mountains  
 Silurian, Llandoveryan - Niagaran. United States
- Calliocrinus acanthinus* (Ringueberg, 1890). Bassler and Moodey, 1943, p. 348.  
*Callicrinus acanthinus* Ringueberg, 1890, p. 302, Pl. 3, figs. 1-1a. Miller, S. A., 1892a, p. 676. Wachsmuth and Springer, 1897, p. 356, Pl. 83, fig. 18. Bassler, 1915, p. 158. Bassler and Moodey, 1943, p. 348.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Calliocrinus beachleri* (Wachsmuth and Springer, 1892). Springer, 1926a, p. 40, Pl. 9, figs. 8-13. Bassler and Moodey, 1943, p. 348. Moore and Laudon, 1944, p. 201, Pl. 75, fig. 18. Webster, 1973, p. 76.  
*Callicrinus beachleri* Wachsmuth and Springer, 1892, p. 140. Wachsmuth and Springer, 1897, p. 355, Pl. 83, figs. 14a-14b. Miller, S. A., 1897, p. 740. Bassler, 1915, p. 158. Bassler and Moodey, 1943, p. 348.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Calliocrinus beyrichianus* (Angelin, 1878). Bassler and Moodey, 1943, p. 348.  
*Callicrinus beyrichianus* Angelin, 1878, p. 15, Pl. 2, fig. 6. Bassler and Moodey, 1943, p. 348. Donovan et al., 2012, p. 190, Pl. 50, Fig. 1.  
 Silurian, Wenlockian. Sweden, Isle of Gotland  
 Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland
- Calliocrinus* cf. *beyrichianus* (Angelin, 1878). Donovan et al., 2008a, p. 39, Fig. 6, no. A.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Scotland

*Calliocrinus bifurcatus* (Weller, 1900). Bassler and Moodey, 1943, p. 348.

*Callicrinus bifurcatus* Weller, S., 1900, p. 125, Pl. 8, fig. 7. Bassler, 1915, p. 158. Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Calliocrinus bilobus* (Weller, 1897). Bassler and Moodey, 1943, p. 348.

*Cryptodiscus bilobus* Weller, S., 1897a, p. 749, Fig. 8. Bassler, 1915, p. 158.

*Callicrinus bilobus* (Weller, 1897). Weller, S., 1897b, p. 808. Weller, 1900, p. 125, Pl.

10, fig. 4. Bassler, 1915, p. 158. Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Calliocrinus cornutus* (Hall, 1864). Bassler and Moodey, 1943, p. 348. Witzke and Strimple, 1981, p. 132, Fig. 20, no. A. Webster, 1988, p. 48.

*Eucalyptocrinus cornutus* Hall, 1864c, p. 322, Pl. 11, figs. 8-9. Hall, 1865a, p. 322, Pl. 11, figs. 8-9. Hall, 1867b, p. 322, Pl. 11, figs. 8-9. Shumard, 1868, p. 370. Hall, 1870, p. 363, Pl. 11, figs. 8-10. Whitfield, 1882a, p. 285, Pl. 16, figs. 5-8. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 158. Bassler and Moodey, 1943, p. 348.

*Callicrinus cornutus* (Hall, 1864). Wachsmuth and Springer, 1897, p. 357, Pl. 83, figs. 15-17. Weller, S., 1900, p. 118, Pl. 8, figs. 1-3. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 348.

*Hypanthocrinus cornutus* (Hall, 1864). Bigsby, 1868, p. 21.

Silurian, Niagaran, Racine Dolomite; Cedarville Limestone. United States, Wisconsin, Illinois, Ohio

*Calliocrinus cornutus excavatus* (Hall, 1865). Bassler and Moodey, 1943, p. 348.

*Eucalyptocrinus cornutus* var. *excavatus* Hall, 1864c, p. 322, Pl. 11, figs. 6-7. Hall, 1865a, p. 322, Pl. 11, figs. 6-7. Hall, 1867b, p. 322, Pl. 11, figs. 6-7. Shumard, 1868, p. 370. Hall, 1870, p. 364, p. 11, figs. 6-7. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran, Racine Dolomite. United States, Wisconsin, Indiana

*Calliocrinus corrugatus* (Weller, 1897). Bassler and Moodey, 1943, p. 348.

*Cryptodiscus corrugatus* Weller, S., 1897a, p. 747, Figs. 1-2. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 348.

*Callicrinus corrugatus* (Weller, 1897). Weller, S., 1900, p. 123, Pl. 11, figs. 6-7. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Calliocrinus costatus* (Hisinger, 1837). d'Orbigny, 1850, p. 45. Pictet, 1857, p. 301, Pl. 99, fig. 20. Bigsby, 1868, p. 196. Miller, S. A., 1892a, p. 676. Zittel, 1895, p. 121, 133, Figs. 233, no. B; 252, nos. A-D. Weller, S., 1897b, p. 807, Pl. B, fig. 9. Bassler and Moodey, 1943, p. 348. Ubaghs *in* Moore and Teichert, 1978, p.

T498, Fig. 299, nos. 2a-2c. Witzke and Strimple, 1981, p. 126, Fig. 16, no. H. Smith, A. B., 1985, p. 168, Pl. 7.4.9. Webster, 1986, p. 86. Webster, 1988, p. 48. *Eugeniocrinites? costatus* Hisinger, 1837, p. 90, Pl. 30, figs. 14a-14b. Bassler, 1938, p. 57. Bassler and Moodey, 1943, p. 348.

*Calliocrinus costatus* var. Angelin, 1878, p. 15, Pl. 2, figs. 5-5a. Bassler and Moodey, 1943, p. 348.

*Callicrinus costatus* (Hisinger, 1837). Angelin, 1878, p. 15, Pls. 1, fig. 6; 2, figs. 1-4; 21, figs. 4-5; 24, figs. 23-26; 28, figs. 19-22, 24-25. Zittel, 1880, p. 337, 378, Figs. 231, no. c; 264, nos. a-d. Bather *in* Lankester, 1900, p. 163, Fig. 77, nos. 3-5. Wachsmuth *in* Zittel, 1900, p. 129, 149, Figs. 233, no. B; 253, nos. A-D. Weller, S., 1900, p. 11, Fig. 4. Gurich, 1908, p. 46, Pl. 13, fig. 8. Springer, 1913, p. 193, Figs. 281, no. B; 293. Moore, 1939b, p. 182, Fig. 3, nos. 1, 3. Bassler and Moodey, 1943, p. 348.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Calliocrinus costatus* var. Angelin, 1878 = *Calliocrinus costatus*

*Calliocrinus desideratus* (Weller, 1900). Bassler and Moodey, 1943, p. 349.

*Callicrinus desideratus* Weller, S., 1900, p. 122, Pls. 9, fig. 2; 10, fig. 3; 11, figs. 1-3. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349. Silurian, Niagaran, Racine Dolomite. United States, Wisconsin

*Calliocrinus diadema* Angelin, 1878. Bassler and Moodey, 1943, p. 349.

*Callicrinus diadema* Angelin, 1878, p. 16, Pl. 28, figs. 27-27a. Bassler and Moodey, 1943, p. 349. Silurian, Wenlockian. Sweden, Isle of Gotland

*Calliocrinus digitatus* (Weller, 1897). Bassler and Moodey, 1943, p. 349.

*Cryptodiscus digitatus* Weller, 1897a, p. 749, Figs. 6-7. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349.

*Callicrinus digitatus* (Weller, 1897). Weller, S., 1900, p. 124, Pls. 9, figs. 3-4; 11, fig. 5. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349. Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Calliocrinus hydei* (Weller, 1897). Bassler and Moodey, 1943, p. 349.

*Cryptodiscus hydei* Weller, S., 1897a, p. 748, Figs. 3-4 (misspelled as *C. hydri* on figure explanation). Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349.

*Callicrinus hydei* (Weller, 1897). Weller, S., 1900, p. 124, Pls. 8, fig. 8; 9, fig. 1; 10, figs. 1-2. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349. Silurian, Niagaran, Racine Dolomite. United States, Illinois, Wisconsin

*Calliocrinus koninckianus* (Angelin, 1878). Bassler and Moodey, 1943, p. 349.

*Callicrinus koninckianus* Angelin, 1878, p. 15, Pls. 1, figs. 4-4a; 28, figs. 18a, 26-26a. Bassler and Moodey, 1943, p. 349. Silurian, Wenlockian. Sweden, Isle of Gotland

- Calliocrinus longispinus* (Weller, 1900). Bassler and Moodey, 1943, p. 349. Witzke and Strimple, 1981, p. 134, Pl. 5, figs. 8-10; Fig. 16, no. G. Webster, 1988, p. 48.  
*Callicrinus longispinus* Weller, S., 1900, p. 119, Pl. 8, figs. 4-5. Grabau and Shimer, 1910, p. 560. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349.  
 Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds; Racine Dolomite. United States, Iowa, Illinois
- Calliocrinus minor* (Angelin, 1878). Bassler and Moodey, 1943, p. 349.  
*Callicrinus minor* Angelin, 1878, p. 16, Pl. 4, fig. 4. Bassler and Moodey, 1943, p. 349.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Calliocrinus murchisonianus* (Angelin, 1878). Bather *in* Lankester, 1900, p. 163, Fig. 77, nos. 1-2. Bassler and Moodey, 1943, p. 349. Franzén, 1973, p. 289, Fig. 1, no. C. Meyer and Ausich, 1983, p. 382, Fig. 1, no. e. Witzke and Strimple, 1981, p. 126, Fig. 16, no. G. Webster, 1986, p. 86. Webster, 1988, p. 48.  
*Callicrinus murchisonianus* Angelin, 1878, p. 15, Pls. 1, figs. 3-3b; 28, figs. 14-17b. Moore, 1939b, p. 182, Fig. 3, nos. 2, 4. Bassler and Moodey, 1943, p. 349.  
*Callicrinus murchisoni* Angelin, 1878. Delage and Herouard, 1903, p. 384, Fig. 467. Abel, 1924, p. 276, Fig. 407.  
 Silurian, early Wenlockian, Hogklint Beds. Sweden, Isle of Gotland
- Calliocrinus pentangularis* (Weller, 1900). Bassler and Moodey, 1943, p. 349.  
*Callicrinus pentangularis* Weller, S., 1900, p. 120, Pl. 8, fig. 6. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 349.  
 Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Calliocrinus primibrachialis* Busch, 1943. Webster, 1973, p. 76. Witzke and Strimple, 1981, p. 132, Fig. 20, no. B. Webster, 1988, p. 48. Ausich, 1996b, p. 247, Fig. 17-5, no. 6.  
*Callicrinus primibrachialis* Busch, 1943, p. 107, Pl. 20, figs. 6-10; Fig. 1. Webster, 1973, p. 76.  
 Silurian, Niagaran, Cedarville Dolomite. United States, Ohio
- Calliocrinus roemerianus* Angelin, 1878. Bassler and Moodey, 1943, p. 349.  
*Callicrinus roemerianus* Angelin, 1878, p. 15, Pls. 1, figs. 1-2c; 28, figs. 23-23a. Bassler and Moodey, 1943, p. 349.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Calliocrinus rugiferus* Ramsbottom *in* Donovan et al., 2012, p. 188, Fig. 81.  
 Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland
- Calliocrinus sedgwickianus* Angelin, 1878. Bassler and Moodey, 1943, p. 349.  
*Callicrinus sedgwickianus* Angelin, 1878, p. 15, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 349.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Calliocrinus uralicus* (Tschernyschew, 1893). Bassler and Moodey, 1943, p. 349.

*Callicrinus uralicus* Tschernyschew, 1893a, p. 123. Tschernyschew, 1893b, p. 91, Pl. 14, fig. 1. Bassler and Moodey, 1943, p. 349.

Early Devonian, series not given. Russia, Ural Mountains

*Calliocrinus* sp.

Ubaghs *in* Moore and Teichert, 1978, p. T498, Fig. 299, no. 2d. Webster, 1986, p. 86.

Late Silurian, series not given. United States, New York

*Cryptodiscus* sp. Weller, S., 1897b, p. 807, Pl. B, fig. 8.

Silurian, Niagaran, Racine Dolomite. United States, Wisconsin

**CALLISTOCRINUS** Eckert and Brett, 2001. \**Callistocrinus tesselatus*

Eckert and Brett, 2001.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Rhodocrinitoidea, F. Callistocrinidae

Eckert and Brett, 2001, p. 20.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, late Llandoveryian. United States, New York

\**Callistocrinus tesselatus* Eckert and Brett, 2001, p. 21, Pl. 5, figs. 2, 10; Fig. 4.

Silurian, late Llandoveryian, Wolcott Limestone. United States, New York

**CALOCRINITES** Steininger, 1849. \**C. emarginatus* Steininger, 1849.

Classification uncertain

Steininger (Schnur, ms), 1849, p. 21. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Moore and Teichert, 1978, p. T928 (non recognizable, =? *Cupressocrinites*).

**CALOCRINUS** Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Moore and Teichert, 1978, p. T928.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Calocrinites emarginatus* Steininger (Schnur, ms), 1849, p. 21. Bassler, 1938, p. 58.

Bassler and Moodey, 1943, p. 350.

Devonian, Eifelian. Germany

**CALOCRINUS** Bather, 1900 = **CALOCRINITES**

**CALPIOCRINUS** Angelin, 1878. \**C. frimbriatus* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae

Angelin, 1878, p. 12. Zittel, 1880, p. 343, 356. Wachsmuth and Springer, 1880, p. 38 (261) (1879). Zittel, 1895, p. 138. Bather *in* Lankester, 1900, p. 189. Wachsmuth *in* Zittel, 1900, p. 164. Springer, 1902, p. 94. Springer, 1906, p. 480. Springer *in* Zittel, 1913, p. 203. Springer, 1920a, p. 145. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Moore and Laudon, 1943b, p. 74. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 76. Webster, 1977, p. 51. Frest and Strimple, 1978a, p. 684, Fig. 1, no. B. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 506, no. 15; 509, no. 4e. Webster, 1986, p. 86. Webster, 1988, p. 48. Donovan et al., 2010, p. 119.

Named, currently recognized species based on cups or crowns: 5 Silurian, Wenlockian species  
Silurian, Wenlockian. Europe

*Calpiocrinus*??? *bohemicus* Waagen and Jahn, 1899 = Polypeltidae gen. et sp. ind.

*Calpiocrinus*??? *bohemicus* Waagen and Jahn, 1899 = *Trybliocrinus flatheanus*

\**Calpiocrinus fimbriatus* Angelin, 1878, p. 12, Pl. 29, figs. 77-77b. Springer, 1906, Pl. 7, figs. 1-2. Springer, 1920a, p. 158, Pl. 8, figs. 1-5. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 538, no. 4b; 540, nos. 1c-1d. Webster, 1986, p. 86.  
Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom

*Calpiocrinus heterodactylus* Angelin, 1878, p. 12, Pls. 13, figs. 10-10a; 26, figs. 8-8a. Springer, 1906, Pl. 7, fig. 3. Springer, 1920a, p. 157, Pl. 7, figs. 5a-5e. Bassler and Moodey, 1943, p. 350.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Calpiocrinus humilis* Angelin, 1878 = \**Cleistocrinus humilis*

*Calpiocrinus intermedius* Springer, 1920a, p. 156, Pl. 7, figs. 1-3. Bassler and Moodey, 1943, p. 350. Ubaghs *in* Moore and Teichert, 1978, p. T59, Fig. 41. Moore *in* Moore and Teichert, 1987, p. T804, Fig. 540, no. 1a. Brett, 1981b, p. 358, Fig. 6, no. C. Brett, 1984, p. 92, Fig. 1, no. B. Webster, 1986, p. 87. Webster, 1988, p. 48. Donovan et al., 2007, p. 47, Fig. 8, no. D. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 12. Donovan et al., 2010, p. 119, Pls. 27, fig. 3; 32, figs. 3-5; Fig. 53, nos. A-B.  
Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Shropshire; Sweden, Isle of Gotland

*Calpiocrinus ovatus* Angelin, 1878, p. 12, Pl. 16, figs. 17-19. Springer, 1906, p. 482, Pl. 7, fig. 4. Springer, 1920a, p. 157, Pl. 7, figs. 4a-4f. Bassler and Moodey, 1943, p. 350. Moore *in* Moore and Teichert, 1978, p. T804, Fig. 540, no. 1b. Webster, 1986, p. 87.

Silurian, Wenlockian, Wenlock Limestone. United Kingdom; Sweden, Isle of Gotland

*Calpiocrinus rotundatus* Springer, 1920a, p. 159, Pl. 8, figs. 6-8. Wanner, 1937, p. 208, Fig. 82. Bassler and Moodey, 1943, p. 350. Ubaghs in Moore and Teichert, 1978, p. T100, Fig. 73, nos. 2-3. Moore in Moore and Teichert, 1978, p. T804, Fig. 538, nos. 4a-4c. Webster, 1986, p. 87.

Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland

*Calpiocrinus* sp. Guensburg, 1995, p. 76, Fig. 1.

Silurian, no locality information

**CALYCANTHOCRINUS** Follman, 1887. \**C. decadactylus* Follman, 1887.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Follman, 1887, p. 115. Bather, 1893a, p. 21. Bather in Lankester, 1900, p. 149.

Jaekel, 1902, 1101, Fig. 28, no. D. Springer in Zittel, 1913, p. 208. Schmidt, W. E., 1934, p. 27. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Moore and Laudon, 1943b, p. 30. Ubaghs, 1953, p. 746, Fig. 11, no. e. Moore, 1962b, p. 14, Fig. 6, no. 2. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 76. Moore and Lane in Moore and Teichert, 1978, p. T535. Rozhnov, 1981, p. 106. Rozhnov, 1983, p. 106. Rozhnov, 1984, p. 103. Le Menn, 1985, p. 69, Fig. 3, no. H. Smith, A. B., 1985, p. 170. Webster, 1986, p. 87. Webster, 1988, p. 48. Hauser, 2003, p. 25, Fig. 38.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 subspecies, 1 Emsian (+1 subspecies), 1 Eifelian  
Devonian, Emsian - Eifelian. Germany

*Calycanthocrinus acolocrinus* Rozhnov, 2002, p. 588, Fig. 45, nos. g-h. (diagramatic)

\**Calycanthocrinus decadactylus* Follmann, 1887, p. 115, Pl. 1, fig. 2. Jaekel, 1895a, p. 51, Pl. 3, figs. 2-3. Frech, 1897-1902, p. 145, Pl. 23b, fig. 4. Steinmann, 1907, p. 194, Fig. 274, no. C. Opitz, 1932, p. 106, Fig. 105. Schmidt, W. E., 1934, p. 28, Pl. 27, fig. 2; Fig. 3. Opitz, 1935, p. 509, Fig. 4. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 350. Strimple, 1963d, Figs. 9, no. b; 10, no. h. Webster, 1973, p. 76. Ubaghs in Moore and Teichert, 1978, p. T111, Fig. 84, no. a. Moore and Lane in Moore and Teichert, 1978, p. T535, Fig. 332, no. 5. Rozhnov, 1981, p. 106, Fig. 10, no. a. Smith, A. B., 1985, p. 170, Pl. 7.4.17. Webster, 1986, p. 87. Webster, 1988, p. 48. Bartels and Brassel, 1990, p. 163, Fig. 148, no. a. Bartels, Briggs, and Brassel, 1998, p. 182, Fig. 158. Südkam, 1995a, p. 118, unnumbered fig. p. 118.

Devonian, early Emsian, Hunsrückschiefer. Germany, Gemünden

*Calycanthocrinus decadactylus latus* Schmidt, W. E., 1934, p. 140, Pl. 1, fig. 4. Bassler and Moodey, 1943, p. 351.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Calycanthocrinus inaequidactylus* Schmidt, W. E., 1913, p. 298, Pl. 23, fig. 10. Bassler and Moodey, 1943, p. 351.

Devonian, Eifelian, Wissenbach or *Orthoceras* Beds. Germany



*Calycanthocrinus* sp. Le Menn, 1985, p. 70, Pl. 16, fig. 7; Fig. 26. Webster, 1988, p. 49.

Devonian, late Emsian, Kerdreolet Shale. France, Armorican Massif

**CALYCOCRINUS** Wanner, 1916. \**C. curvatus* Wanner, 1916.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Calycoocrinidae

Wanner, 1916, p. 250. Wanner, 1924, p. 88. Diener, 1927, p. 11. Wanner, 1929, p. 321. Wanner, 1937, p. 19. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 351. Moore and Laudon, 1943b, p. 76. Yakovlev, 1947d, p. 47, Fig. 14. Branson, C. C., 1948, p. 183. Ubaghs, 1953, p. 756, Fig. 136. Yakovlev, 1956a, p. 83, Fig. 34. Yakovlev, 1958, p. 68, Fig. 34. Yakovlev, 1964a, p. 78, Fig. 36. Yakovlev, 1964b, p. 68, Fig. 99. Arendt and Hecker, 1964, p. 94. Moore and Strimple, 1973,

p 34. Webster, 1973, p. 76. Webster, 1977, p. 51. Moore *in* Moore and Teichert, 1978, p. T784, Figs. 506, no. 18a; 507, no. 1g; 524, no. 1. Webster, 1986, p. 87. Ausich, 1988, p. 913, Fig. 3, no. 8. Webster, 1993, p. 34.

Named, currently recognized species based on cups or crowns: 22 species, 12 subspecies. 2 Pennsylvanian, Morrowan; 20 Permian, 1 Artinskian, 19 series uncertain (+12 subspecies, series uncertain)

Early Pennsylvanian, Morrowan. United States

Early Permian, Artinskian. Russia

Permian, series uncertain. West Timor

*Calycoocrinus amarassicus* Wanner, 1916, p. 270, Pl. 111 (16), fig. 3. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 183.

Permian, series uncertain. West Timor, Koeafeoe

*Calycoocrinus coronatus* Wanner, 1915 = *Calycoocrinus curvatus coronatus*

*Calycoocrinus crassus* Wanner, 1916, p. 272, Pl. 111 (16), fig. 5. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 183.

Permian, series uncertain. West Timor, Mandeo

\**Calycoocrinus curvatus* Wanner, 1916, p. 261, Pl. 110 (15), fig. 10. Wanner, 1924, p. 95,

Pl. 4, figs. 7-24. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 351.

Branson, C. C., 1948, p. 183. Arendt and Hecker, 1964, p. 94, Pl. 14, fig. 9.

Webster, 1973, p. 76. Moore *in* Moore and Teichert, 1978, p. T784, Figs. 525, no.

2; 526, nos. 3c, 3f. Webster, 1986, p. 87.

*Calycoocrinus curvatus* var. *typus* Wanner, 1924, p. 96, Fig. 2. Wanner, 1930, p. 17, Pl. 1, fig. 9; Figs. 7-9. Marez Oyens, 1940a, p. 309, Pl. 2, fig. 8. Bassler and Moodey, 1943, p. 351.

*Calycoocrinus curvatus typus* Wanner, 1924. Branson, C. C., 1948, p. 183.

Permian, series uncertain. West Timor, Basleo, Fatu Tonini

- Calycocrinus curvatus conicus* Wanner, 1930, p. 26, Pl. 2, figs. 13-15; Fig. 15.  
Wanner, 1937, p. 100, Pl. 8, figs. 32-33. Bassler and Moodey, 1943, p. 351.  
Branson, C. C., 1948, p. 183.  
Permian, series uncertain. West Timor, Basleo
- Calycocrinus curvatus coronatus* Wanner, 1916. Wanner, 1924, p. 99. Marez Oyens, 1940a, p. 310, Pl. 2, fig. 9. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 184.  
*Calycocrinus coronatus* Wanner, 1916, p. 267, Pl. 110 (15), figs. 14-15. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 184.  
Permian, series uncertain. West Timor, Basleo, Snob Nenoe
- Calycocrinus curvatus depressus* Wanner, 1924, p. 98, Pl. 4, figs. 13-16. Wanner, 1930, p. 19, Pls. 1, figs. 14-17; 2, figs. 1-4; Figs. 10-13. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 184. Ubaghs, 1952, p. 213, Fig. 3, nos. A-C. Webster, 1973, p. 76.  
Permian, series uncertain. West Timor, Basleo
- Calycocrinus curvatus elongatus* Wanner, 1924, p. 97, Pl. 4, figs. 10-12. Bassler and Moodey, 1943, p. 351. Branson, C. C., 1948, p. 184.  
Permian, series uncertain. West Timor, Basleo
- Calycocrinus curvatus informis* Wanner, 1924, p. 96, Pl. 4, figs. 7-9. Wanner, 1930, p. 19, Pl. 1, figs. 10-13. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.  
Permian, series uncertain. West Timor, Basleo
- Calycocrinus curvatus labrosus* Wanner, 1930, p. 25, Pl. 2, figs. 7-12. Wanner, 1937, p. 99, Pl. 8, figs. 28-31. Marez Oyens, 1940a, p. 311, Pl. 3, fig. 2. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.  
Permian, series uncertain. West Timor, Basleo, Soempek
- Calycocrinus curvatus subcoronatus* Wanner, 1924, p. 98, Pl. 4, fig. 17-20. Wanner, 1930, p. 23, Pl. 2, figs. 5-6; Fig. 14. Marez Oyens, 1940a, p. 310, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.  
Permian, series uncertain. West Timor, Basleo, Toenioen Eno
- Calycocrinus curvatus subturbinatus* Wanner, 1924, p. 99, Pl. 4, figs. 21-22; Fig. 3. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184. Yakovlev, 1949a, p. 266, Fig. 1, no. a. Yakovlev, 1956a, p. 86, Fig. 35, no. 1. Yakovlev, 1958, p. 71, Fig. 35, no. 1. Yakovlev, 1964a, p. 79, Fig. 37, no. 1. Yakovlev, 1964b, p. 58, Fig. 63. Webster, 1973, p. 76. Moore in Moore and Teichert, 1978, p. T785, Fig. 526, nos. 3a-3b. Webster, 1986, p. 87.  
*Calycocrinus curvatus* var. *subturbinata* Wanner, 1924. Diener, 1927, p. 11, Pl. 2, figs. 7a-7b.  
Permian, series uncertain. West Timor

*Calycocrinus curvatus* var. *subturbinata* Wanner, 1924 = *Calycocrinus curvatus subturbinatus*

*Calycocrinus curvatus turbinatus* Wanner, 1916. Bassler and Moodey, 1943, p. 352.

*Calycocrinus turbinatus* Wanner, 1916, p. 268, Pl. 111 (16), fig. 1. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.

*Calycocrinus curvatus* var. *turbinatus* Wanner, 1924, p. 100, Pl. 4, figs. 23-24. Bassler and Moodey, 1943, p. 352.

Permian, series uncertain. West Timor, Koeafeoe near Baung

*Calycocrinus curvatus typus* Wanner, 1924 = *Calycocrinus curvatus*

*Calycocrinus curvatus* var. *turbinatus* Wanner, 1916 = *Calycocrinus curvatus turbinatus*

*Calycocrinus curvatus* var. *typus* Wanner, 1924 = *Calycocrinus curvatus*

*Calycocrinus erectus* Wanner, 1930, p. 29, Pls. 2, figs. 22-23; 3, fig. 1. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus furnishi* Moore and Strimple, 1973, p. 35, Pl. 2, figs. 2a-d. Webster, 1977,

p. 52. (Not a *Calycocrinus*, GDW)

Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Calycocrinus granulatus* Wanner, 1916, p. 271, Pl. 111 (16), fig. 4. Wanner, 1924, p. 104, Pl. 5, figs. 1-7. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus granulatus altior* Wanner, 1924, p. 105, Pl. 5, figs. 8-9. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 184.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus kupangensis* Wanner, 1916, p. 269, Pl. 111 (16), fig. 2. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Loepang

*Calycocrinus labiatus* Marez Oyens, 1940a, p. 312, Pl. 3, fig. 3. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Taewei, Basleo

*Calycocrinus major* Wanner, 1916, p. 265, Pl. 110 (15), fig. 12. Wanner, 1924, p. 103, Pl. 4, figs. 27-28. Wanner, 1937, p. 102, Pl. 9, figs. 1-2; Fig. 21. Bassler and Moodey, 1943, p. 352. Branson, C. C., 1948, p. 185. Yakovlev, 1949a, p. 265, Fig. 1, no. b. Yakovlev, 1956a, p. 86, Fig. 35, no. 2. Yakovlev, 1958, p. 71, Fig. 35, no. 2. Yakovlev, 1964a, p. 79, Fig. 37, no. 2. Yakovlev, 1964b, p. 58, Fig. 64. Webster, 1973, p. 76.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus malaianus* Wanner, 1916, p. 264, Pl. 110 (15), fig. 11. Wanner, 1924, p. 102. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus millericrinoides* Wanner, 1924, p. 107, Pls. 6, fig. 18; 7, figs. 5-6. Wanner, 1930, p. 32. Wanner, 1937, p. 104, Fig. 23. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus nuciformis* Wanner, 1929, p. 321, Pl. 8, figs. 13-17, Fig. 3. Wanner, 1930, p. 34, Pl. 3, figs. 7-11; Fig. 18. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus patella* Wanner, 1924, p. 106, Pls. 5, figs. 10-16; 6, figs. 1-2. Wanner, 1930, p. 31, Fig. 16. Wanner, 1937, p. 102, Pl. 8, fig. 38; Fig. 22. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus perplexus* Wanner, 1929, p. 321, Pl. 8, figs. 10-12; Fig. 4. Wanner, 1930, p. 36, Pl. 3, figs. 12-14; Fig. 19. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185. Ubaghs, 1953, p. 756, Fig. 136. Webster, 1973, p. 76. Ubaghs in Moore and Teichert, 1978, p. T94, Fig. 70, no. 13. Webster, 1986, p. 87.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus piriformis* Wanner, 1924, p. 101, Pl. 4, figs. 25-26. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 185.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus poculus* Wanner, 1916, p. 266, Pl. 110 (15), fig. 13. Wanner, 1924, p. 103.

Wanner, 1937, p. 100, Pl. 8, figs. 34-37. Bassler and Moodey, 1943, p. 353.

*Calycocrinus puculum* Wanner, 1916. Branson, C. C., 1948, p. 185 (sic).

Permian, series uncertain. West Timor, Basleo

*Calycocrinus puculum* Wanner, 1916 = *Calycocrinus poculus*

*Calycocrinus rossicus* Yakovlev, 1927b, p. 182, Pl. 6, figs. 13-13b. Yakovlev, 1930a, p. 99, Pl. 1, figs. 5a-5b. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p.

185. Yakovlev in Yakovlev and Ivanov, 1956, p. 70, Pl. 9, figs. 5-6, 8, 10, 15-18. Arendt and Hecker, 1964, p. 94, Pl. 14, figs. 5-8. Webster, 1973, p. 76.

Permian, Artinskian. Russia, Ural Mountains

*Calycocrinus similis* Wanner, 1930, p. 30, Pl. 3, figs. 2-3. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus spinosus* Wanner, 1916, p. 263, Pl. 110 (15), fig. 9. Wanner, 1924, p. 100,  
Pl. 3, figs. 13-16. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus symmetricus* Moore and Strimple, 1973, p. 34, Pl. 2, figs. 3a-d. Webster, 1977, p. 52. (Not a *Calycocrinus*, GDW)  
Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Calycocrinus tuberculatus* Wanner, 1930, p. 32, Pl. 3, figs. 4-6; Fig. 17. Wanner, 1937, p. 104, Pl. 9, figs. 3-5; Fig. 24. Bassler and Moodey, 1943, p. 353. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus turbinatus* Wanner, 1916 = *Calycocrinus curvatus turbinatus*

*Calycocrinus venemai* Wanner, 1930, p. 27, Pl. 2, figs. 16-18. Bassler and Moodey, 1943, p. 354. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus venemai angulatus* Wanner, 1930, p. 27, Pl. 2, figs. 19-21. Bassler and Moodey, 1943, p. 354. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus venemai planus* Marez Oyens, 1940a, p. 314, Pl. 3, fig. 4. Bassler and Moodey, 1943, p. 354. Branson, C. C., 1948, p. 186.

Permian, series uncertain. West Timor, Basleo

*Calycocrinus* spp.

Yakovlev *in* Yakovlev and Ivanov, 1956, p. 71, Pl. 9, figs. 7, 9. Webster, 1973, p. 76.

Permian, Artinskian. Russia, Ural Mountains

Strimple and Nassichuk, 1974, p. 1153, Pl. 1, figs. 5-7; Fig. 1, nos. b, h. Webster, 1986, p. 87.

Pennsylvanian, Morrowan or early Atokan, Hare Fiord Formation. Canada, Ellesmere Island

Calyx form Hashimoto, 1984, p. 5, Fig. 3, no. 5 (diagramatic). Webster, 1993, p. 34.

Calyx plate most likely from unknown inadunate Sprinkle, 1971, p. D94, Fig. 1, nos. 53-54. Webster, 1977, p. 178.

Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

“*Camarocrinus*” Beyer, 1952 = Nov. gen.? sp. 2 aff. “*S*”. *zenonis*

**CAMAROOCRINUS** Hall, 1879. \**C. stellatus* Hall, 1879.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Scyphocrinitoidea, F. Scyphocrinitidae

Hall, 1879b, p. 205. Miller, S. A., 1889, p. 230. Bather *in* Lankester, 1900, p. 77.

Schuchert, 1904, p. 253. Bassler, 1915, p. 173. Ehrenberg, 1926c, p. 199.

Ehrenberg, 1929, p. 20. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 674.

Ubaghs, 1953, p. 741, Fig. 121. Yeltyschewa, 1968, Pl. 1, fig. 14. Webster, 1973,

p. 237. Ray, 1980, p. 5-16. Webster, 1988, p. 149. Haude *in* Jahnke and Shi,

1989, p. 175. Chen and Yao, 1990, p. 230, Pl. 2, figs. 3a-3b; Fig. 3 (bulbous

float). Haude, 1992a, p. 176. Webster, 1993, p. 34.

**CAMEROOCRINUS** Fric, 1904, p. 33. Bassler and Moodey, 1943, p. 674. Ubaghs *in* Moore and Teichert, 1978, p. T489.

Named, currently recognized species based on cups or crowns: 2 species. 1

Silurian, Pridoli; 1 Silurian – Devonian, Pridoli - Lochkovian

Late Silurian - Early Devonian, Pridoli - Lochkovian. Europe, North America, China

*Camarocrinus asiaticus* Reed, 1906 = *Scyphocrinites asiaticus*

*Camarocrinus?* cf. *asiaticus* Yin and Lu, 1837 = *Scyphocrinites* n. sp. = *Carolicrinus* sp. = *Carolicrinus siniaticus*

*Camarocrinus clarkii* Hall, 1879 = *Scyphocrinites clarkii*

*Camarocrinus mariannae* Yakovlev, 1953 = *Scyphocrinus mariannae* = *Scyphocrinites mariannae*

*Camarocrinus saffordi* Hall, 1879 = *Scyphocrinus saffordi* = *Scyphocrinites saffordi*

\**Camarocrinus stellatus* Hall, 1879a, p. 207, Pl. 35, figs. 1-8. Hall, 1879b, p. 207, Pl. 35, figs. 1-8. Hall, 1880, p. 5, Pl. 35, figs. 1-8. Miller, S. A., 1889, p. 230. Schuchert, 1904, p. 269; 1913, p. 228, Pl. 31, figs. 1-5. Bassler, 1915, p. 173. Bassler, 1938,

p. 59. Bassler and Moodey, 1943, p. 676.

*Scyphocrinites stellatus* (Hall, 1879). Bassler and Moodey, 1943, p. 676. Chen and Yao, 1990, p. 233, Pl. 2, figs. 1a-1b. Chen and Yao, 1993, p. 37, Pl. 6, figs. 1-2. Webster, 1993, p. 107. Clement and Broadhead, 1994, p. 47.

*Scyphocrinus stellatus* (Hall, 1879). Springer, 1917, p. 49, Pl. 7, figs. 4a-4b.

Bassler and Moodey, 1943, p. 676.

Late Silurian, "*Camarocrinus*" Bed. China, Shidian County, Yunnan Province

Silurian - Devonian, Pridolian - Lochkovian, Decatur Formation; Ross Formation, Rockhouse and Birdsong Members; upper part of Manlius Formation; Keyser Formation. United States, New York, Maryland, West Virginia

*Camarocrinus subornatus* (Waagen and Jahn, 1899). Haude, 1992, p. 180, Pl. 7, fig. A; Fig. 17, no. A.

*Lobolithus michelini* Barrande (ms), Waagen and Jahn, 1899, Pl. 44, fig. 3.

Haude, 1992, p. 180.

*Scyphocrinus subornatus* Barrande in Waagen and Jahn, 1899, p. 78, Pls. 40, figs. 1-2; 44, fig. 3; 58, figs. 8-9; 60, figs. 1-3; 62, figs. 1-8. Prokop and Petr, 1986, p. 208. Haude, 1992, p. 180.

*Scyphocrinus excavatus* Schlotheim sp. p., var. *Schlotheimi* Waagen and Jahn, 1899, Pl. 45, figs. 1-2. Prokop and Petr, 1986, p. 208. Haude, 1992, p. 180. Late Silurian, Pridoli. Czech Republic, Bohemia

*Camarocrinus* cf. *subornatus* (Waagen and Jahn, 1899). Haude in Jahnke and Shi, 1989, p. 176, Pls. 1, fig. 24; 2, figs. 13-14; 4, figs. 1, 3; Fig. 37. Webster, 1993, p. 34.

Silurian, Xiangyangsi Formation, Tugua Member. China, Yunnan Province

*Camarocrinus* cf. *subornatus* (Waagen and Jahn, 1899). Haude, 1992, p. 180, Pl. 7, figs. B-D; Fig. 17, nos. B-C.

*Scyphocrinus subornatus* Barrande in Waagen and Jahn, 1899, p. 74, Pls. 40-44; 58, figs. 8-9; 62, figs. 3-5, 8. Springer, 1917, p. 22. Bassler and Moodey, 1943, p. 676. Schmidt, 1931, p. 39. Prokop and Petr, 1990, p. 48. Haude, 1992, p. 180. Webster, 1993, p. 107.

*Scyphocrinites subornatus* (Barrande in Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 676. Prokop and Petr, 1986, p. 208, Pls. 3, figs. 3-4; 5, figs. 1-2; 6; Fig. 4. Prokop and Petr, 1990, p. 47, 48. Webster, 1993, p. 107.

*Scyphocrinites stellatus-mutabilis* (Hall-Springer). Le Maitre and Heddebaut, 1963, p. 274.

*Camarocrinus* cf. *subornatus* (Waagen and Jahn) Haude, 1989, p. 176, Pls. 2, fig. 13; 4, figs. 1, 3-4; Figs. 37-38(?). Haude, 1992, p. 180.

Late Silurian - Early Devonian, upper part of Pridoli Formation - lower part of Lochkovian. Czech Republic, Bohemia

Late Silurian, latest Pridoli - earliest Lochkovian. Pyrenees, ?Southwestern China

*Camarocrinus* cf. *subornatus* (Waagen and Jahn) Haude, 1989 = *Camarocrinus* cf. *subornatus*

*Camarocrinus* cf. *subornatus*? (Waagen and Jahn, 1899). Haude in Jahnke and Shi, 1989, p. 176, Fig. 38. Webster, 1993, p. 34.

Silurian, Xiangyangsi Formation, Tugua Member. China, Yunnan Province

*Camarocrinus ulrichi* Schuchert, 1903 = *Scyphocrinus ulrichi* = *Scyphocrinites ulrichi*

*Camarocrinus ulrichi* var. *stellifer* Schuchert, 1904 = *Scyphocrinites ulrichi stellifer*

*Camarocrinus* n. sp.? 1 Haude, 1992, p. 177, Pl. 8, figs. A-D; Fig. 16, nos. A-B.

?Late Silurian, Early Devonian, Pridoli - Lochkovian (probably Lochkovian). Spain

*Camarocrinus* n. sp.? 2 Haude, 1992, p. 17; 7, Pl. 8, figs. E-I; Fig. 16, no. C.

?Late Silurian, Early Devonian, Pridoli - Lochkovian (probably Lochkovian). Spain

*Camarocrinus* spp.

Ray, 1980, p. 5-16, Figs. 3-26. Webster, 1988, p. 149.

Silurian - Devonian, several formations. United States; Europe

Gupta and Webster, 1985, p. 21, Fig. 1. Webster, 1988, p. 149.

**Note:** Most Gupta localities considered fraudulent, Webster, 1991a.

Late Silurian or Early Devonian, unnamed calcareous shales. India, Himalayas  
Haude, 1998, p. 218, Figs. 2, 2a, 7.

Late Silurian. Morocco

Stinchcomb, 2008, p. 88, Fig. 05-25.

Late Silurian, Haragan Formation. United States, Oklahoma

*“Camarocrinus”* sp. Ausich et al. *in* Hess et al., 1999 p. 15, Fig. 21.

Early Devonian, series not given. North America

Camerata (Diplobathrida) Rozhnov, 2002, p. S538, Fig. 10. (diagramatic)

Camerata (Monobathrida) Rozhnov, 2002, p. S538, Fig. 10. (diagramatic)

Camerata incertae sedis Lee, Ausich, and Kammer, 2005, p. 347.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

Camerata indet. 1 Hlebszevitsch, 2005, p. 607, Fig. 4, nos. H-I. (**Note:** 4H probably a dichocrinid, GDW)

Pennsylvanian, series not given, Las Salinas Formation, LS2 Member. Argentina

Camerata? indet. 2 Hlebszevitsch, 2005, p. 608, Fig. 4, no. F. . (**Note:** 4F probably a dichocrinid, GDW)

Pennsylvanian, series not given, Las Salinas Formation, LS2 Member. Argentina

Camerata indet. aff. *Megaradialocrinus* Chen and Yao, 1993). Bohatř, et al., 2012, p. 285, Figs. 4, nos. 1-5; 7, nos 1-4; 8, nos 1-3; 9, nos. 1-2; 10, nos. 1-8; 11, nos. 1-6. Devonian, lower Givetian, Lough Formation, Baarley Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein

Camerate arm Brower, 1974b, p. 9, Fig. 5. Webster, 1986, p. 322.

No age or locality given

Camerate crinoid

Grabau and Shimer, 1910, p. 489, Fig. 1804.

Diagramatic

McLead, 1973, p. 246, Pl. 2, fig. 1. Webster, 1977, p. 178 (crown).

Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Missouri

Brower, 1974b, p. 13, Fig. 7, nos. 1-3. Webster, 1986, p. 322.

No age or locality given

Speyer and Brett, 1991, p. 513, Fig. 7, no. A (diagramatic).

Early - middle Paleozoic

Bohatř, et al., 2012, p. 288, Fig. 6.

Devonian, lower Givetian, Lough Formation, Hustley Member. Germany,



## Gerostein

Camerate crinoid Lane et al., 1995 = *Actinocrinites zhaoae*

Camerate crinoid between batocrinids and actinocrinids Lane et al., 1995 = *Uperocrinus zhaoae* = *Actinocrinites zhaoae*

Camerate crinoid calyx Priest, 1972, Unnum. Fig. bottom right, p. 88. Webster, 1977, p. 178.

No age or locality given

Camerate crinoid digestive system . Südkamp, 2011, p. 247, Fig. 8. (diagramatic)

Camerate crinoid, group and species unknown Lane, et al., 1996, p. 123, Fig. 6.3. Pennsylvanian, Moscovian, Qijiangou Formation. China, Xinjiang-Uygar Autonomous Region

Camerate crinoid indet. Bassett and Bryant, 2006, p. 526, Pl. 18, figs. 1-5. Mississippian, Tournaisian, Friars Point Limestone. United Kingdom, Wales

Camerate crinoid species A Eckert and Brett, 2001, p. 34, Pl. 3, fig. 9. Silurian, middle Llandoveryan, Reynales Formation, Bear Creek Shale. United States, New York

Camerate crinoid plates Brower in Moore and Teichert, 1978, p. T248, Fig. 195, nos. 1-3.

No age or locality given

Camerate crinoid undesignated Gibson, 1995, p. 56, Unnum. Figs. p. 56, 57. (diagramatic)

Devonian, Ross Formation. United States, Tennessee

Camerate crinoids Sevastopulo, 2002, p. 3, Fig. 2. Mississippian, Tournaisian. Ireland, Hook Head

Camerate crinoids Baumiller et al., 2008, p. 15, Fig. 1.8. Silurian. Gotland

Camerate gen. et sp. nov. Donovan, 1988c, p. 236. Webster, 1993, p. 34. Early Ordovician, series and locality not given

Camerate indet. Webster and Jell, 1999a, p. 262.

Crinoid calyx Etheridge in Jack and Etheridge, 1892. Webster and Jell, 1999a, p. 262.

Mississippian, late Tournaisian, ?Malchi Formation. Australia, Queensland

Camerate indeterminate Ausich and Copper, 2010, p. 37, Pl. 2, fig. 8.

Silurian, Llandoveryan, Jupiter Formation, Cybèle Member. Canada, Quebec,

## Anticosti Island

- Camerate Indeterminant #1. Webster and Ariunchimeg, 2004, p. 485.  
Devonian, Emsian, Chuluun Formation. Mongolia, Shine Jinst
- Camerate Indeterminant #2. Webster and Ariunchimeg, 2004, p. 485.  
Devonian, Emsian, Chuluun Formation. Mongolia, Shine Jinst
- Camerate indet. sp. A Donovan et al., 2012, p. 220.  
Crinoid indet sp. A Donovan, 1993a p. 16. Donovan et al., 2012, p. 220  
Silurian, early Llandoveryan, Gasworks Mudstone or Gasworks Sandstone. United Kingdom, Wales
- Camerate indet. sp. B Donovan et al., 2012, p. 220.  
Crinoid indet sp. B Donovan, 1993a p. 15. Donovan et al., 2012, p. 220.  
Silurian, early Llandoveryan, Gasworks Mudstone. United Kingdom, Wales
- Camerate radial indet. #1 Webster, 1987, p. 105, Fig. 5, no. E. Webster, 1993, p. 34.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia
- Camerate radial indet. #2 Webster, 1987, p. 106, Fig. 5, no. F. Webster, 1993, p. 35.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia
- Camerate radial indet. #3 Webster, 1987, p. 106, Figs. 5, no. H; 6, nos. A-E. Webster, 1993, p. 35.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia
- Camerate radial indet. #4 Webster, 1987, p. 107, Fig. 5, no. C. Webster, 1993, p. 35.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia
- Camerate radial indet. #5 Webster, 1987, p. 107, Fig. 5, no. B. Webster, 1993, p. 35.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia
- Camerate species A Kolata, 1982, p. 204, Pl. 20, fig. 16. Webster, 1988, p. 49.  
Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Camerate sp. indet. Lewis, Donovan, and Sawford, 2003, p. 313, Fig. 4, no. c.  
Mississippian, Holkerian, Clifton Down Limestone. United Kingdom

*CAMEROCRINUS* Fric, 1904 = *SCYPHOOCRINITES* = ***CAMEROCRINUS***

*Camerocrinus quarcitarum* Fric, 1905 = *Scyphocrinites quarcitarum*

*Camerocrinus quartzitarum* Fric, 1905 = *Scyphocrinites quarcitarum*

*Camerocrinus (Lobolithus) quartzitarum* Fric, 1905 = *Scyphocrinites quarcitarum*

**CAMPANULITES** Troost, 1850 = **CLEIOCRINUS**

*Campanulites tessellatus* Troost, 1850 = *Cleiocrinus tessellatus*

**CAMPBELLICRINUS** Jell and Willink, 1993. \**C. compactus* Jell and Willink, 1993, by monotypy.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Corythocrinidae

Jell and Willink, 1993, p. 308. Webster et al., 2009, p. 42.

Named, currently recognized species based on cups or crowns: 2 Permian species, 1 Sakmarian, 1 Sakmarian or Artinskian

Permian, late Sakmarian or early Artinskian. Oman

\**Campbellicrinus compactus* Jell and Willink, 1993, p. 308, Figs. 3-4. Webster et al., 2009, p. 42, Pl. 4, figs. 6-8, 14-16, 20-21.

Sea lilies (crinoids) Clark, 1990, p. 99, Unnum. Fig. p. 111.

Permian, late Sakmarian or early Artinskian, lower part of Gharif Formation. Oman

*Campbellicrinus nodosus* Webster et al., 2009, p. 42, Pl. 4, figs. 1-5, 9-13, 17-19, 22-26.

Permian, Sakmarian, Saiwan Formation. Oman

**CAMPTOCRINUS** Wachsmuth and Springer, 1897. \**Dichocrinus (Camptocrinus) myelodactylus* Wachsmuth and Springer, 1897.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Camptocrinidae

Wachsmuth and Springer, 1897, p. 779. Miller, S. A., 1897, p. 740. Bather in Lankester, 1900, p. 150. Springer in Zittel, 1913, p. 201. Ehrenberg, 1922c, p. 281. Springer, 1926b, p. 25. Ehrenberg, 1930a, p. 261. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 354. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 199. Cuénot, 1948, p. 69. Branson, C. C., 1948, p. 186. Ubaghs, 1953, p. 741. Ehrenberg, 1955, p. 499. Arendt and Hecker, 1964, p. 97. Strimple and Moore, 1971a, p. 39. Burdick and Strimple, 1971a, p. 40. Strimple and Moore, 1973c, p. 35. Webster, 1973, p. 77. Horowitz and Strimple, 1974, p. 213. Webster, 1977, p. 52. Lane in Moore and Teichert, 1978, p. T477. Webster, 1986, p. 88. Broadhead, 1981, p. 145. Burdick and Strimple, 1983a, p. 170. Webster, 1988, p. 49. Lane and Sevastopulo, 1987, p. 205. Chestnut and Etensohn, 1988, p. 57, Figs. 10-11. Webster, 1993, p. 35. Maples and Waters, 1995, p. 367. Hlebszevitsch, 2005, p. 599. Webster et al., 2011, p. 14.

**NEOCAMPTOCRINUS** Willink, 1980 (cols only). Hlebszevitsch, 2005, p. 601.

Named, currently recognized species based on cups or crowns: 12 species, 8 Mississippian, 6 Viséan, 1 Viséan – Serpukhovian, 1 Serpukhovian; 1

Pennsylvanian, bashkirian; 3 Permian, 1 Sakmarian – Artinskian, 1 Artinskian, 1

series uncertain  
 Mississippian, Viséan – Serpukhovian (late Osagean - middle Chesterian). United States  
 Mississippian, Viséan. United Kingdom, Scotland  
 Pennsylvanian, Early Bashkirian. Eastern Iran  
 Permian, Artinskian. Russia,  
 Permian, series uncertain. West Timor  
 Permian, late Sakmarian - Artinskian. Australia

*Camptocrinus alabamensis* Strimple and Moore, 1973c, p. 35, Figs. 23, nos. 1-8; 24, nos. 1-4; 25, nos. 1-6. Webster, 1977, p. 52. Burdick and Strimple, 1983a, p. 171, Fig. 15. Webster, 1973, p. 88. Maples and Waters, 1995, p. 367, Figs. 1-4.  
 ?*Camptocrinus alabamensis* Strimple and Moore, 1973. Broadhead, 1981, p. 145. Chestnut and Etensohn, 1988, p. 57. Webster, 1993, p. 35.  
 Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama

?*Camptocrinus alabamensis* Strimple and Moore, 1973 = *Camptocrinus alabamensis*

*Camptocrinus beaveri* Moore and Jeffords, 1968 = *Camptocrinus cirrifer*

*Camptocrinus cirrifer* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 740. Weller, S., 1898c, p. 161. Ehrenberg, 1922a, p. 283, Fig. 15. Ehrenberg, 1926, p. 257, Fig. 5. Springer, 1926b, p. 32, Pl. 8, figs. 10-10a. Ehrenberg, 1930a, p. 323, Pl. 17, fig. 8. Bassler and Moodey, 1943, p. 354. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 52. Broadhead, 1985, p. 211, Fig. 5, no. G. Webster, 1988, p. 49. Chestnut and Etensohn, 1988, p. 57, Pl. 8, figs. 16-19. Webster, 1993, p. 35.  
*Dichocrinus (Camptocrinus) cirrifer* Wachsmuth and Springer, (part) 1897, p. 780, Pl. 76, figs. 13a-13c. Bassler and Moodey, 1943, p. 354.  
*Dichocrinus cirrifer* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 741.  
*Camptocrinus beaveri* Moore and Jeffords, 1968. Chestnut and Etensohn, 1988, p. 57. Webster, 1993, p. 35.  
*Camptocrinus multicirrus* Springer, 1926b, p. 31, Pl. 8, figs. 4-9. Ehrenberg, 1930a, p. 323, Pl. 17, figs. 2, 6-7. Bassler and Moodey, 1943, p. 354. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 13. Webster, 1973, p. 77. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no. 10. Webster, 1986, p. 88. Burdick and Strimple, 1983a, p. 172, Pl. 3, figs. 2, 7-9, 14, 27, 29. Meyer and Ausich, 1983, p. 382, Fig. 1, no. k. Chestnut and Etensohn, 1988, p. 57. Webster, 1988, p. 49. Webster, 1993, p. 35. Ausich et al. *in* Hess et al., 1999 p. 10, Fig. 15, no. a.  
 Mississippian, Viséan - Serpukhovian (Meramecian – Chesterian), St. Louis Limestone; Glen Dean Limestone; Monteagle Limestone; Ohara Limestone; Renault Formation; Paint Creek Formation; Pennington Formation; Bangor Limestone; Hartselle Sandstone. United States, Kentucky, Illinois, Alabama

*Camptocrinus compressus* Wright, J., 1937, p. 396, Pls. 14, fig. 7; 15, figs. 2-9, 11-12, 14. Wright, J., 1939, p. 13, Pl. 9, fig. 19. Bassler and Moodey, 1943, p. 354. Ubaghs, 1953, p. 741, Fig. 131. Wright, 1958, p. 307, Pl. 75, figs. 6-9. Webster, 1973, p. 77. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no.11. Webster, 1986, p. 88. Ausich et al. *in* Hess et al., 1999 p. 10, Fig. 15, no. b. Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Camptocrinus crawfordsvillensis* Springer, 1926 = *Camptocrinus parvulus*

*Camptocrinus?* *enigmaticus* Webster et al., 2011, p. 14, Fig. 5, nos. a-e. Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Camptocrinus indoaustralicus* Wanner, 1924, p. 81, Pl. 3, figs. 9-11. Wanner, 1937, p. 88, Pl. 8, figs. 9-11. Ehrenberg, 1926a, p. 250, Figs. 1a-1d. Bassler and Moodey, 1943, p. 354. Branson, C. C., 1948, p. 186. Permian, series uncertain. West Timor, Basleo

*Camptocrinus* cf. *C. indoaustralicus* Wanner, 1924. Webster, 1987, p. 102, Fig. 5, nos. J-M. Teichert and Webster, 1993, p. 2, Pl. 65, figs. 14-16. Webster, 1993, p. 35. Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Camptocrinus mollensis* Hlebszevitsch, 2005, p. 601, Fig. 3, nos. A-D. Permian, Sakmarian-Artinskian, Mojón de Hierro Formation. Argentina

*Camptocrinus multicirrus* Springer, 1926 = *Camptocrinus cirrifer*

\**Camptocrinus myelodactylus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 740. Weller, S., 1898c, p. 162. Springer, 1926b, p. 28, Pl. 7, figs. 2-5b. Ehrenberg, 1930a, p. 323, Pl. 17, figs. 4, 9. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 355. Ubaghs, 1953, p. 741, Figs. 129-130. Webster, 1973, p. 77. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 52. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 2. Webster, 1986, p. 88.

*Dichocrinus (Camptocrinus) myelodactylus* Wachsmuth and Springer, 1897 (part), p. 779, Pl. 75, figs. 2a-2b only. Bassler and Moodey, 1943, p. 354.

*Dichocrinus myelodactylus* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 742.

Mississippian, Viséan (Osagean – Meramecian), Borden Group, Keokuk Limestone; St. Louis Limestone. United States, Indiana

*Camptocrinus nudus* Ausich, Goldstein, and Yates, 2000, p. 1075, Fig. 1, no. 1. Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation. United States, Kentucky

*Camptocrinus parvulus* (Miller, 1891). Broadhead, 1981, p. 144. Webster, 1988, p. 49.

*Dichocrinus parvulus* Miller, S. A., 1891b, p. 27, Pl. 4, figs. 7-8. Miller, S. A., 1892a,

- p. 677. Weller, S., 1898c, p. 223. Bassler and Moodey, 1943, p. 421. Priest, 1970, p. 15, Fig. 4. Webster, 1977, p. 70. Broadhead, 1981, p. 144. Webster, 1988, p. 49.
- Dichocrinus cirriferous* Burdick and Strimple, 1983a. Broadhead, 1981, p. 144. Webster, 1988, p. 49.
- Dichocrinus (Camptocrinus) myelodactylus* Wachsmuth and Springer (part) 1897, p. 779, Pl. 75, fig. 1 only. Bassler and Moodey, 1943, p. 354.
- Camptocrinus crawfordsvillensis* Springer, 1926b, p. 30, Pl. 8, figs. 1-3e. Bassler and Moodey, 1943, p. 354. Van Sant *in* Van Sant and Lane, 1964, p. 123, Fig. 41, no. a. Webster, 1973, p. 77. Ubaghs *in* Moore and Teichert, 1978, p. T64, Fig. 44, no. 6. Webster, 1986, p. 88. Broadhead, 1981, p. 144. Webster, 1988, p. 49.
- Mississippian, Viséan (Osagean – Meramecian), Warsaw - Keokuk Limestone; Edwardsville Formation; Pella Beds. United States, Missouri, Indiana, Iowa
- Camptocrinus permiensis* Yakovlev, 1927b, p. 188, Pl. 6, figs. 19-19a-3. Yakovlev, 1930a, p. 99, Pl. 1, fig. 4. Bassler and Moodey, 1943, p. 355. Branson, C. C., 1948, p. 186.
- Permian, Artinskian. Russia, Ural Mountains
- Camptocrinus planicirrus* Springer, 1926b, p. 30, Pl. 7, figs. 6-6a. Bassler and Moodey, 1943, p. 355. Van Sant *in* Van Sant and Lane, 1964, p. 124, Fig. 41, no. 2. Webster, 1973, p. 77. Ausich and Lane, 1982b, p. 1357. Webster, 1988, p. 49.
- Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Camptocrinus praenuntius* Springer, 1926b, p. 27, Pl. 7, fig. 1. Ehrenberg, 1930a, p. 323, Pl. 17, fig. 1. Bassler and Moodey, 1943, p. 355. Broadhead, 1985, p. 211, Fig. 5, no. H. Webster, 1988, p. 49. Ausich *in* Hess et al., 1999 p. 141, Fig. 149.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Camptocrinus* spp.
- Dichocrinus* cf. *angustus* White, 1862. Springer, 1926b, p. 39, Pl. 11, fig. 7.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Wolburg, 1938, p. 257, Fig. 1, no. 1.
- Mississippian, Viséan? (Meramecian). United States
- Broadhead, 1981, p. 144, Pl. 9, figs. 7, 12. Webster, 1988, p. 49.
- Dichocrinus* cf. *angustus* White, 1862; Springer, 1926. Broadhead, 1981, p. 144. Webster, 1988, p. 49.
- Mississippian, Tournaisian, Tn3, upper part of Burlington Limestone. United States, Iowa
- Baumiller and Ausich, 1996, p. 54, Fig. 10, nos. A-D.
- Mississippian, horizon and locality not given

**CANISTOCRINUS** James, 1897 = **CANISTROCRINUS**

*Canistocrinus pattersoni* Miller, 1882. James, 1897 = *Pycnocrinus pattersoni*

*Canistocrinus richardsoni* (Wetherby, 1880). James, 1897 = *Canistrocrinus richardsoni*

**CANISTROCRINUS** Wachsmuth and Springer, 1885. \**Glyptocrinus richardsoni* Wetherby, 1880.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F. Tanaocrinidae

Wachsmuth and Springer, 1885, p. 88. Miller, S. A., 1889, p. 230. Wachsmuth and Springer, 1897, p. 174. Bassler, 1915, p. 553. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 355. Ubaghs, 1953, p. 738. Webster, 1973, p. 77. Ubaghs *in* Moore and Teichert, 1978, p. T126, T440, Fig. 98, no. 1. Webster, 1986, p. 88.

**CANISTROCRINUS** Zittel, 1895, p. 130. James, 1897, p. 104. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 355.

**TANAOCRINUS** Wachsmuth and Springer, 1897, p. 185. \**T. typus* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 753. Bather *in* Lankester, 1900, p. 165. Springer *in* Zittel, 1913, p. 193. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 701. Moore and Laudon, 1943b, p. 90, Fig. 13. Moore and Laudon, 1944, p. 189. Moore, 1950, p. 42, Fig. 11. Spreng and Parks, 1953, p. 589, Figs. 1, no. a; 4, no. b; 7, no. a; 8, no. d. Strimple, 1963d, p. 90, Fig. 27 (part). Webster, 1973, p. 253. Frest, Strimple, and Kelly, 1976, p. 145, Fig. 2. Webster, 1977, p. 166. Ubaghs *in* Moore and Teichert, 1978, p. T440. Webster, 1986, p. 299.

**TANOOCRINUS** Frest, Strimple, and Kelly, 1976, explanation Fig. 2. Webster, 1986, p. 299.

Named, currently recognized species based on cups or crowns: 2 species. 1

Ordovician, Katian; 1 Ordovician, Silurian, Katian, Richmondian  
Ordovician, Katian; - Early Silurian. United States, Ohio

*Canistrocrinus pattersoni* (Miller, 1882) = *Pycnocrinus pattersoni*

\**Canistrocrinus richardsoni* (Wetherby, 1880). Wachsmuth and Springer, 1885, p. 95 (317). Bassler and Moodey, 1943, p. 355. Ubaghs *in* Moore and Teichert, 1978, p. T440, Fig. 250, no. 1a. Webster, 1986, p. 88.

*Glyptocrinus richardsoni* Wetherby, 1880a, p. 245, Pl. 16, fig. 1. Wetherby, 1889, p. 248. Bassler, 1915, p. 556. Bassler, 1938, p. 58. Bassler and Moodey, 1943, p. 355.

*Canistocrinus richardsoni* (Wetherby, 1880). James, 1897, p. 106, description only. Bassler, 1915, p. 556.

*Reteocrinus richardsoni* (Wetherby, 1880). Wachsmuth and Springer, 1881, p. 367 (p. 193). Bassler, 1915, p. 556.

Ordovician, Katian, Cincinnati, Waynesville Formation. United States, Ohio

*Canistrocrinus typus* (Wachsmuth and Springer, 1897). Ubaghs *in* Moore and Teichert, 1978, p. T440, Fig. 250, no. 1c. Webster, 1986, p. 88.

*Tanaocrinus typus* Wachsmuth and Springer, 1897, p. 186, Pl. 9, figs. 7a-7c. Delage and Herouard, 1903, p. 384, Fig. 469. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 701. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 3.

Moore and Laudon, 1944, p. 189, Pl. 72, fig. 3. Webster, 1973, p. 253.  
 Brower,  
 1974a, p. 20. Webster, 1986, p. 299.  
*Tanocrinus typus* (Wachsmuth and Springer, 1897). Delage and Herouard, 1903,  
 p. 384 (sic).  
*Glyptocrinus typus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 746.  
 Ordovician, Katian, - Early Silurian, Richmondian, Waynesville Limestone.  
 United States, Ohio

*Canistrocrinus* sp. Ubaghs in Moore and Teichert, 1978, p. T440, Fig. 250, no. 1b.  
 Webster, 1986, p. 88.  
 Ordovician, Hirnantian, Girardeau. United States, Missouri

**CANTHAROCRINUS** Breimer, 1962. \**C. minor* Breimer, 1962.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
 Hapalocrinidae

Breimer, 1962a, p. 117. Webster, 1973, p. 77. Ubaghs in Moore and Teichert,  
 1978, p. T511. Webster, 1986, p. 88. Webster, Waters, and Chen, 2009, p. 144.  
**CHANGNINOCRINUS** Chen, Yao, and Yu, 1985. \**C. sphaeroides* Chen, Yao, and  
 Yu, 1985. Chen, Yao, and Yu, 1985, p. 548. (Webster, 1988, incorrectly ascribed  
 authorship of *Changninocrinus* to Chong-tai, Ji-hui, and Guang-rong, 1985.)  
 Chen and Yao, 1993, p. 52.

Named, currently recognized species based on cups or crowns: 3 Devonian species,  
 1 Emsian, 1 Eifelian, 1 Famennian  
 Devonian, Emsian – Eifelian. Spain  
 Devonian, Famennian. China, Yunnan Province

\**Cantharocrinus minor* Breimer, 1962a, p. 117, Pl. 11, figs. 5-7; Figs. 27, 32. Webster,  
 1973, p. 77. Ubaghs in Moore and Teichert, 1978, p. T511, Fig. 313, no. 4.  
 Webster, 1986, p. 89.  
 Devonian, early Emsian, La Vid Shale. Spain

*Cantharocrinus* aff. *minor* Breimer, 1962. Hauser in Hauser and Landeta, 2007, p. 74,  
 Pl. 1, fig. 9.  
 Devonian, early Eifelian, Moniello Formation. Spain

*Cantharocrinus simplex* Breimer, 1962a, p. 120, Pl. 11, figs. 8-11; Fig. 28. Webster,  
 1973, p. 77. Ubaghs in Moore and Teichert, 1978, p. T178, Fig. 149, no. 3.  
 Webster, 1986, p. 89.  
 Devonian, Eifleian (Couvinian), Santa Lucia Formation. Spain

*Cantharocrinus sphaeroides* (Chen, Yao, and Yü, 1985). Webster, Waters, and Chen,  
 2009, p. 144, Fig. 8, nos. h-k.  
*Changninocrinus sphaeroides* Chen, Yao, and Yü, 1985, p. 548, Pl. 1, fig. 1; Fig. 1,  
 nos. A-B. Chen and Yao, 1993, p. 52, Pl. 11, fig. 2. (Webster, 1988, p. 52,  
 incorrectly ascribed authorship of *Changninocrinus sphaeroides* to Chong-tai,  
 Ji-hui, and Guang-rong, 1985.) Webster, Waters, and Chen, 2009, p. 144.  
 Devonian, early Famennian, Heyuanzhai Formation. China, Yunnan Province



?*Capulus hercynicus* var. *selcana* Giebel, 1866. Riemann, 1885, p. 169, Pl. 1, figs. 6-7 (Hexacrinitid, possibly an internal mould, GDW).

Devonian. Germany

**CARABOCRINUS** Billings, 1857. \**C. radiatus* Billings, 1857.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea, F. Porocrinidae

Billings, E., 1857a, p. 275. Billings, E., 1859a, p. 30. Shumard, 1868, p. 357. Bigsby, 1868, p. 18. Zittel, 1880, p. 343, 353. Wachsmuth and Springer, 1880, p. 143 (366), (1879). Billings, W. R., 1881, p. 34. Wachsmuth and Springer, 1886, p. 216 (140). Miller, S. A., 1889, p. 230. Bather, 1890b, p. 332. Bather *in* Lankester, 1900, p. 172. Grabau and Shimer, 1910, p. 504. Springer *in* Zittel, 1913, p. 271. Bassler, 1915, p. 182. Foerste, 1924, p. 345. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 355. Moore and Laudon, 1943b, p. 49, Figs. 1, 4. Moore and Laudon, 1944, p. 151, Pl. 52, fig. 19. Moore, 1950, p. 34, Fig. 4, no. a. Ubaghs, 1953, p. 750, Fig. 14, no. b. Moore, 1962b, p. 15, Fig. 9, no. 2. Philip, 1963, p. 266, Fig. 4, no. a. Arendt and Hecker, 1964, p. 83. Webster, 1973, p. 77.

Kolata, 1975, p. 29. Webster, 1977, p. 52. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 94, no. 5. Lane and Moore *in* Moore and Teichert, 1978, p. T589, Figs. 377, no. 2; 394, no. 1. Jobson and Paul, 1979, p. 73, Fig. 7. Sprinkle, 1982, p. 146. Webster, 1986, p. 89. Webster, 1988, p. 49. Ausich, 1998b, p. 34.

Webster and Maples, 2006, p. 191, Fig. 1, no. C.

*DISCONIA* Westphal, 1974a, p. 79. \**D. pentamerus* Westphal, 1974. Westphal, 1974b, p. 1096. Webster, 1986, p. 88.

*LICHENOCRINUS* Westphal, 1974b, p. 1096. \**Disconia pentamerus* Westphal, 1974. Webster, 1986, p. 88.

*STROPHOCRINUS* Sardeson, 1899, p. 264. \**S. dicyclis* Sardeson, 1899. Bather *in* Lankester, 1900, p. 172. Bassler, 1938, p. 177. Bassler and Moodey, 1943, p. 690. Moore and Laudon, 1943b, p. 49. Ubaghs, 1953, p. 750. Webster, 1973, p. 246. Lane and Moore *in* Moore and Teichert, 1978, p. T589. Webster, 1986, p. 88.

Named, currently recognized species based on cups or crowns: 18 Ordovician species, 1 Richmondian, 1 Darriwilian - Sandbian, 1 Darriwilian - Katian, 5 Sandbian, 2 Sandbian - Katian, 8 Katian

Ordovician, Darriwilian - Katian; - Early Silurian: North America

Ordovician, Sandbian. Estonia

*Carabocrinus boltoni* Ausich and Copper, 2010, p. 52, Pl. 10, figs. 6-9. Figs. 8.5-8.7.

*Carabocrinus* n. sp. Bolton, 1972, p. 7. Ausich and Copper, 2010, p. 52.

Ordovician, Katian, Vauréal Formation, Schmitt Creek Member. Canada, Quebec, Anticosti Island

*Carabocrinus crateriformis* (Hall, 1866).

*Lichenocrinus crateriformis* (Hall, 1866). Meyer and Davis, 2009, p. 178, Fig. 12.5, nos. L-M.

Ordovician, Katian, Cincinnati, Waynesville Formation. United States, Ohio

*Carabocrinus conoideus* Sardeson, 1925, p. 62, Pl. 5, fig. 4. Sardeson, 1939, p. 36, Pl. 2, fig. 4. Bassler and Moodey, 1943, p. 355.

Ordovician, Katian, Black Riveran, Decorah Shale, Spechts Ferry Member. United States, Minnesota, Wisconsin

*Carabocrinus dicyclicus* (Sardeson, 1899). Bassler, 1915, p. 182. Sardeson, 1925, p. 61, Pl. 5, fig. 5. Sardeson, 1939, p. 32, Pl. 2, fig. 4. Bassler and Moodey, 1943, p.

355. Brower and Veinus, 1978, p. 446, Pls. 19, figs. 3, 5-6; 20; 21; 23; 24, figs. 1-8; Figs. 1, no. B; 3. Webster, 1986, p. 89.

*Strophocrinus dicyclicus* Sardeson, 1899, p. 264, Pl. 12; Unnum. Figs. Bassler, 1915, p. 182. Sardeson, 1925, p. 55, Pl. 5, figs. 1-3. Bassler, 1938, p. 177. Sardeson, 1939, p. 29, Pl. 2, fig. 3. Bassler and Moodey, 1943, p. 690.

*Disconia pentamerus* Westphal, 1974a, p. 79, Pl. 1, figs. 1-2; Fig. 1. Brower and Veinus, 1978, p. 446.

*Disconia pentamrus* Westphal, 1974. Webster, 1986, p. 89.

*Strophocrinus podolithus* Sardeson, 1908, p. 242, Figs. 8-10.

*Podolithus strophocrinus* Sardeson, 1908. Bassler, 1915, p. 182. Bassler and Moodey, 1943, p. 690.

Ordovician, Sandbian – Katian, Champlainian, Platteville Formation, Decorah Shale, Ion Member, Spechts Ferry Member. United States, Wisconsin, Minnesota

*Carabocrinus esthonus* Jaekel, 1918, p. 50, Fig. 38. Bassler and Moodey, 1943, p. 355. Arendt and Hecker, 1964, p. 83, Fig. 120. Webster, 1973, p. 77.

Ordovician, Sandbian, Wassalem Beds. Estonia

*Carabocrinus geometricus* Hudson, 1905, p. 282, Pl. 1, figs. 1-2; Fig. 7. Grabau and Shimer, 1910, p. 504, Fig. 1816. Bassler, 1915, p. 182. Bassler and Moodey, 1943, p. 355.

Ordovician, Sandbian (Chazyan), Valcour Limestone. United States, New York

*Carabocrinus granulatus* Evans, 1926, p. 200 (*nomen nudum*). Bassler and Moodey, 1943, p. 355.

Silurian, Richmondian. United States, Illinois

*Carabocrinus huronensis* Foerste, 1924, p. 345, Pl. 31, figs. 11, 13-14. Bassler and Moodey, 1943, p. 356. Sinclair, 1945, p. 716, Pl. 2, fig. 17. Webster, 1973, p. 78. Bolton and Copeland, 1972b, p. 54, Pl. A, figs. 14, 21. Webster, 1977, p. 52. Ubaghs in Moore and Teichert, 1978, p. T189, Fig. 160, nos. 3-4. Webster, 1986, p. 89.

Ordovician, Katian, Champlainian, lower part of Trenton Group, Verulam Formation. Canada, Ontario

*Carabocrinus magnificus* Sardeson, 1939, p. 33, Pl. 2, figs. 1-2. Bassler and Moodey, 1943, p. 356. Brower and Veinus, 1978, p. 449, Pls. 19, figs. 1-2, 4; 22. Webster, 1986, p. 89. Brower, 1996, p. 618, Figs. 7-8.

Ordovician, Sandbian – Katian, Decorah Shale, Ion Member; Dunleith Formation, Sherwood Member. United States, Minnesota, Wisconsin, Iowa

*Carabocrinus micropunctatus* Brower and Veinus, 1974, p. 64, Pl. 2, figs. 8-9. Webster, 1986, p. 89.

*Echinosphaerites* sp. Butts, 1941, p. 91, Pl. 89, Fig. 12. Brower and Veinus, 1974, p. 64. Webster, 1986, p. 89.

Ordovician, Sandbian, Benbolt Formation; Dryden Limestone; Lincolnshire Formation. United States, Virginia, Tennessee

*Carabocrinus oogyi* Kolata, 1975, p. 29, Pl. 5, figs. 3, 7. Webster, 1986, p. 90.

Ordovician, Katian, Champlainian, Dunleith Formation, base of Eagle Point Member. United States, Illinois

*Carabocrinus ovalis* Miller and Gurley, 1894b, p. 25, Pl. 2, figs. 20-21. Miller, S. A., 1897, p. 740, Fig. 1323. Bassler, 1915, p. 182. Miller, A. M., 1919, p. 25, Pl. 20, fig. 3. Bassler and Moodey, 1943, p. 356.

Ordovician, Katian, Champlainian, Lexington Formation, Curdsville Member. United States, Kentucky

\**Carabocrinus radiatus* Billings, E., 1857a, p. 276. Billings, E., 1859a, p. 31, Pl. 2, figs. 3a-3e. Shumard, 1868, p. 357. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 231, Fig. 261. Grabau and Shimer, 1910, p. 504, Fig. 1817. Bassler, 1915, p. 183. Bassler, 1938, p. 60. Bassler and Moodey, 1943, p. 356. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 5. Moore and Laudon, 1944, p. 153, Pl. 53, fig. 5. Wilson, A. E., 1946, p. 38, Pl. 5, fig. 5. Webster, 1973, p. 78. Brower, 1996, p. 615, Figs. 1-2.

*Carabocrinus* cf. *radiatus* Billings, 1857. Ruedemann, 1912, p. 86, Pl. 3, fig. 6. Bassler, 1915, p. 183.

Ordovician, Katian, Champlainian, Trenton Limestone; Curdsville Limestone; Snake Hill Formation; Dunleith Formation, Sherwood Member; Wise Lake Formation, Sinsinawa Member; Cobourg Limestone; Hull Limestone. United States, New York, Iowa; Canada, Ontario

*Carabocrinus* cf. *radiatus* Billings, 1857 = *Carabocrinus radiatus*

*Carabocrinus slocomi* Foerste, 1924, p. 350, Pls. 31, figs. 1-10; 32, figs. 1, 7-9, 11-14, 19?-20?, 26-29. Fig. 59. Thomas and Ladd, 1926, p. 14, Pl. 3, fig. 3. Bassler and Moodey, 1943, p. 356. Brower, 1996, p. 619, Figs. 9-12, 14, 17.

*Carabocrinus slocomi costatus* Foerste, 1924, p. 353, Pl. 32, figs. 2?-6?, 10?, 15-18, 21-25, 30. Thomas and Ladd, 1926, p. 14, Pl. 3, figs. 1-2, 4. Bassler and Moodey, 1943, p. 356. Ubaghs in Moore and Teichert, 1978, p. T208, Fig. 174, nos. 9-10. Webster, 1986, p. 90. Brower, 1996, p. 619. Sloan, 2005, p. 153, Fig. 4-61, no. 11.

*Carabocrinus slocomi?* Foerste, 1924, p. 378, Pl. 32, figs. 19-20. Brower, 1996, p. 619.

*Carabocrinus slocomi* var. *costatus* Foerste, 1924. Brower, 1996, p. 619.

Ordovician, Katian, Elgin, Clermont, Fort Atkinson, and Brainard Members,  
Maquoketa Formation. United States, Iowa, Minnesota, Illinois

*Carabocrinus slocomi?* Foerste, 1924 = *Carabocrinus slocomi*

*Carabocrinus slocomi costatus* Foerste, 1924 = *Carabocrinus slocomi*

*Carabocrinus slocomi* var. *costatus* Foerste, 1924 = *Carabocrinus slocomi*

*Carabocrinus stellifer* Brower and Veinus, 1974, p. 61, Pl. 2, figs. 7, 10. Webster,  
1986,  
p. 90.

Ordovician, Sandbian, Ottosee Shale or Sevier Shale. United States, Tennessee

*Carabocrinus treadwelli* Sinclair, 1945, p. 715, Pl. 2, figs. 14-16. Webster, 1973, p. 78.  
Sprinkle, 1982, p. 146, Pls. 3, figs. 18-20; 12, figs. 1-18, 20-22 (not 20-23 as  
given p. 146); 13, figs. 1-5, 7-8; Fig. 45. Webster, 1988, p. 50.

Ordovician, Darriwilian – Sandbian, Champlainian, Bromide Formation, Mountain  
Lake Member. United States, Oklahoma

*Carabocrinus* cf. *treadwelli* Sinclair, 1945. Brower and Veinus, 1974, p. 65, unfig.  
Webster, 1986, p. 90.

Ordovician, Sandbian, Benbolt Formation or Dryden Limestone equivalent;  
Lincolnshire Formation; Ottosee Shale or Sevier Shale. United States,  
Tennessee, Virginia

*Carabocrinus tuberculatus* Billings, 1859 = *Cyathocrinitida* indeterminate

*Carabocrinus vancortlandi* Billings, 1859 = *Carabocrinus vancortlandti*

*Carabocrinus vancortlandti* Billings, E., 1859a, p. 52, Pl. 2, fig. 4. Shumard, 1868, p.  
357. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 231. Weller, S., 1900, p. 28,  
Fig. 9. Bassler, 1915, p. 183. Bassler and Moodey, 1943, p. 356. Moore and  
Laudon, 1943b, p. 131, Pl. 2, fig. 6. Moore and Laudon, 1944, p. 153, Pl. 53, fig.  
6. Webster, 1973, p. 78. Brower, 1996, p. 617, Figs. 4-5.

*Carabocrinus vancortlandi* Billings, 1859. Wilson, A. E., 1946, p. 39.

*Carabocrinus* sp. C. Kolata, Brower and Frest, 1987, p. 180. Brower, 1996, p. 617.

Ordovician, Darriwilian, Katian, Dunleith Formation, probably upper part Rivoli  
Member; Trenton Limestone; Cobourg Limestone?; Hull Limestone; Curdsville  
Limestone; "Crinoid beds". United States, Iowa, Kentucky; Canada, Ontario

*Carabocrinus* n. sp. Bolton, 1972 = *Carabocrinus boltoni*

*Carabocrinus* sp. A Kolata, Brower, and Frest, 1987 = *Eoparisocrinus crossmani*

*Carabocrinus* sp. B Kolata, Brower, and Frest, 1987 = *Eoparisocrinus grandei*

*Carabocrinus* sp. C. Kolata, Brower and Frest, 1987 = *Carabocrinus vancortlandti*

*Carabocrinus* spp.

- Troedsson, 1928, p. 106, Pl. 23, figs. 13-15 (basals).  
 Ordovician, Katian?, Cape Calhoun Formation. Northern Greenland
- Troedsson, 1929, p. 106, Pl. 23, figs. 13-15 (partial calyx).  
 Ordovician, Katian?, Cape Calhoun Beds. Greenland
- Roy, 1941, p. 81, Fig. 42. Webster, 1973, p. 272 (basal plate)  
 Ordovician, Katian (Richmondian). Canada, Baffin Land
- Ubaghs, 1953, p. 750, Fig. 14, no. a. Webster, 1973, p. 78.  
 Ordovician
- Kolata, 1975, p. 30, Pl. 5, figs. 1-2. Webster, 1986, p. 90.  
 Ordovician, Sandbian (Champlainian), Grand Detour Formation, Lower Walgreen Member. United States, Illinois
- Parsley, 1981, p. 4, Pl. 1, figs. 11-12. Webster, 1988, p. 50.  
 Ordovician, Katian, Lexington Limestone, Curdsville Limestone Member. United States, Kentucky
- Sprinkle, 1982, p. 154, Pl. 12, fig. 19. Webster, 1988, p. 50.  
 Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Guensburg, 1984, p. 53, Pl. 10, figs. 12, 17, 20, 24-25. Webster, 1988, p. 50.  
 Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Lichenocrinus* sp. Howell, 1995, p. 99, Pl. 4, fig. 3.  
 No age or locality given
- Mossler and Benson, 1995, p. 2, fig. 2.  
 Ordovician, Katian, Decorah Shale. United States, Minnesota
- Brower, 2007a, p. 110,  
 Ordovician, Sandbian, Platteville Limestone. United States, Wisconsin
- Guensburg and Sprinkle, 2009, p. 361, Fig. 10.15.  
 Ordovician, locality not given

*Carabocrinus?* sp. Paul, 1976a, p. 35, Fig. 2, nos. q-r. Webster, 1986, p. 90.  
 Ordovician. Greenland

**CARCINOCRINUS** Laudon, 1941. \**C. stevensi* Laudon, 1941.

- Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae
- Laudon, 1941, p. 390. Bassler and Moodey, 1943, p. 356. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 78. Moore and Strimple *in* Moore and Teichert, 1978, p. T648. Webster, 1986, p. 90. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 35. Webster et al., 2003, p. 15.
- Named, currently recognized species based on cups or crowns: 1 Mississippian, Serpukhovian
- Mississippian, Serpukhovian (Chesterian). United States, Oklahoma

*Carcinocrinus eventus* Strimple, 1953 = *Cosmetocrinus eventus*

\**Carcinocrinus stevensi* Laudon, 1941, p. 390, Pl. 57, fig. 5. Easton, 1942, p. 84, Pl. 3, fig. 5. Bassler and Moodey, 1943, p. 356. Moore and Strimple *in* Moore and Teichert, 1978, p. T648, Fig. 424, no. 3. Webster, 1986, p. 90.  
Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas, Oklahoma

*CARDUOCRINUS* von Koenen, 1895 = ***LOPHOCRINUS***

*Carduocrinus jaekeli* von Koenen, 1895 = *Lophocrinus minutus*

*Carinocrinus eventus* Strimple, 1953 = *Cosmetocrinus eventus*

***CARLOPSOCRINUS*** Wright, 1933. \**C. bullatus* Wright, 1933.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. - F. uncertain

Wright, J., 1933, p. 198. Bassler, 1938, p. 60. Bassler and Moodey, 1943, p. 356. Moore and Laudon, 1943b, p. 76. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 78. Strimple *in* Moore and Teichert, 1978, p. T756. Webster, 1986, p. 90. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 36.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Carlopsocrinus bullatus* Wright, J., 1933, p. 198, Pl. 13, figs. 4-6; Figs. 9-12. Bassler, 1938, p. 60. Wright, J., 1939, p. 47, Pl. 10, figs. 26-27; Figs. 66-68. Bassler and Moodey, 1943, p. 356. Wright, J., 1954a, p. 181, Pl. 39, figs. 20, 22; Figs. 106-108. Sieverts-Doreck, 1960, Pl. 1, fig. 12. Webster, 1973, p. 78. Strimple *in* Moore and Teichert, 1978, p. T756, Fig. 503, no. 2. Webster, 1986, p. 90.  
Mississippian, Viséan. Lower Limestone Group. United Kingdom, Scotland

***CAROLICRINUS*** Waagen and Jahn, 1899. \**C. barrandei* Waagen and Jahn, 1899.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Scyphocrinitidae

Waagen and Jahn, 1899, p. 22. Bather, 1900b, p. 107. Bassler, 1938, p. 60. Ubaghs, 1953, p. 741. Arendt and Hecker, 1964, p. 97. Webster, 1973, p. 78. Ubaghs *in* Moore and Teichert, 1978, p. T491. Webster, 1986, p. 90. Prokop and Petr, 1986, p. 209. Prokop and Petr, 1987a, p. 4, Fig. 3, no. a. Haude *in* Jahnke and Shi, 1989, p. 173. Haude, 1992, p. 166. Chen and Yao, 1993, p. 38, Fig. 19. Webster, 1993, p. 36. Prokop and Petr, 1994b, p. 34. Kacha and Petr, 1996, p. 61, fig. 2, no. b.

Named, currently recognized species based on cups or crowns: 3 Silurian, Pridoli species

Silurian, late Pridoli. Czech Republic, China

\**Carolicrinus barrandei* Waagen and Jahn, 1899, p. 28, Pl. 58. Bassler, 1938, p. 60. Bassler and Moodey, 1943, p. 261. Ubaghs *in* Moore and Teichert, 1978, p.

- T491, Fig. 292, no. 2. Webster, 1986, p. 91. Prokop and Petr, 1986, p. 211, Pls. 5, fig. 3; 7, figs. 1-3; Figs. 5-7. Prokop and Petr, 1990, p. 14, 21-23, Pl. 3, figs. 2-3. Haude, 1992, p. 166, Pls. 1, fig. I; 4, figs. A-F; Figs. 3, no. D; 9, nos. A-E. Webster, 1993, p. 36.
- Carolicrinus? barrandei* Waagen and Jahn, 1899. Prokop and Jahn, 1986, p. 211, Fig. 8. Prokop and Petr, 1990, p. 14. Webster, 1993, p. 36.
- Abacocrinus barrandei* (Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 261.
- Scyphocrinites elegans?* Barrande *in* Waagen and Jahn, 1899, Pls. 66, figs. 5, 15-17; 67, figs. 5-6; 69, fig. 8. Prokop and Petr, 1990, p. 21-23 (partial calyx, parts of free arms). Webster, 1993, p. 36.
- Silurian, late Pridoli, Pridoli Formation. Czech Republic, Bohemia; Pyrenees
- Carolicrinus? barrandi* Waagen and Jahn, 1899 = *C. barrandei*
- Carolicrinus shidianensis* Chen and Yao, 1993, p. 39, Pl. 6, fig. 9.  
Late Silurian, series not given. China, Yunnan Province
- Carolicrinus siniaticus* Haude, 1992, p. 168.  
*Carolicrinus* n. sp.? Haude *in* Jahnke and Shi, 1989, p. 173, Pl. 4, fig. 2; Figs. 35-36. Webster, 1993, p. 36.  
? *Scyphocrinus* sp. Reed, 1906, p. 86, Pl. 8, figs. 13-15. Bassler and Moodey, 1943, p. 674. Haude *in* Jahnke and Shi, 1989, p. 173. Webster, 1993, p. 36.  
Silurian?, Naungbaw Beds. India  
? *Camarocrinus* cf. *asiaticus* Reed, 1906. Yin and Lu, 1937, p. 49. Haude *in* Jahnke and Shi, 1989, p. 173. Webster, 1993, p. 36.  
Silurian?, Naungbaw Beds. India  
? Crinoidea gen. et sp. Yin and Lu, 1937, p. 49. Haude *in* Jahnke and Shi, 1989, p. 173. Webster, 1993, p. 36.  
Silurian, late Pridoli, Niushiping Formation. China, Yunnan
- Carolicrinus? cf. siniaticus* Haude, 1992, p. 168, Pl. 4, figs. I-J; Fig. 10.  
*Scyphocrinus* Maronde, 1968, p. 141. Haude, 1992, p. 168.  
Silurian, late Pridoli. Germany, Harz
- Carolicrinus* n. sp.? Haude, 1992, p. 169, Pl. 4, figs. G-H; Fig. 11.  
Silurian, Pridoli. Eastern Pyrenees
- CARPIOCRINUS** Agassiz, 1842 = **CARPOCRINUS**
- Carpocrinitoidea, family, genus, and species indeterminate. Lane, Waters, and Maples, 1997, p. 16, Figs. 4.6-4.7, 5.4-5.5.  
Devonian, Famennian, Hongguleleng Formation, upper member. China, Xinjiang-Uygur Autonomous Region
- Carpocrinid indet. Jell *et al.*, 1988, p. 364, Figs. 7, nos. G-J; 8. Webster, 1993, p. 36.  
Devonian, late Emsian - early Eifelian, Burges Formation. Australia, Queensland

**CARPOCRINITES** Geinitz, 1846 = **CARPOCRINUS**

**CARPOCRINUS** Müller, 1840. \**Actinocrinites simplex* Phillips in Murchison, 1839.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Carpocrinidae

Müller, J., 1840a, p. 33. Müller, J., 1840b, p. 311. Bronn, 1848, p. 138. Roemer, C. F. in Bronn and Roemer, 1851, p. 237. Pictet, 1857, p. 328. Dujardin and Hupé, 1862, p. 148. Zittel, 1880, p. 344, 366. Wachsmuth and Springer, 1881, p. 105 (279). Zittel, 1895, p. 127. Koken, 1896, p. 285. Bather in Lankester, 1900, p. 166. Wachsmuth in Zittel, 1900, p. 144. Springer in Zittel, 1913, p. 104. Springer, 1926a, p. 42. Bassler and Moodey, 1943, p. 357. Moore and Laudon, 1943b, p. 93, Fig. 16. Moore and Laudon, 1944, p.193, Pl. 71, fig. 4. Ubaghs, 1953, p. 740. Webster, 1973, p. 78. Frest and Strimple, 1977a, p. 113. Ubaghs in Moore and Teichert, 1978, p. T463. Webster, 1986, p. 91. Witzke and Strimple, 1981, p. 116. Franzen, 1982, p. 479. Smith, A. B., 1985, p. 166. Webster, 1988, p. 50. Webster, 1993, p. 36. LeMenn, 2009, p. 470, Fig. 7.27, no.

a. Donovan et al., 2012, p. 166.

**CARPOCRINITES** Geintz, 1846, p. 550. Bassler, 1938, p. 61. Bassler and Moodey, 1943, P. 357.

**CARPIOCRINUS** Agassiz, 1842, p. 3. Ubaghs in Moore and Teichert, 1978, p. T463.

**ABRACRINUS** d'Orbigny, 1849, p. 47, 156. d'Orbigny, 1851, p. 144. Bassler, 1938, p. 61. Bassler and Moodey, 1943, p. 357.

**HABROCRINUS** Angelin, 1878, p. 3. Zittel, 1880, p. 344, 366. Koken, 1896, p. 285. Wachsmuth and Springer, 1897, p. 515. Grabau, 1899a, p. 143. Wachsmuth in Zittel, 1900, p. 143. Bassler, 1915, p. 576. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 357.

**LEPTOCRINUS** Angelin, 1878, p. 3. \**L. raridigitatus* Angelin, 1878. Zittel, 1880, p. 344, 367. Wachsmuth and Springer, 1885, p. 105 (327). Bassler and Moodey, 1943, p. 357.

**PHOENICOCRINITES** Austin and Austin, 1843, p. 205. Bassler, 1938, p. 152. Bassler and Moodey, 1943, p. 357.

**PHOENICOCRINUS** Springer, 1913, p. 194. Bassler, 1938, p. 152. Ubaghs in Moore and Teichert, 1978, p. T463.

**PIONOCRINUS** Angelin, 1878, p. 4. \**P. pulchellus* Bassler, 1938, SD. Bassler, 1938, p. 153. Bassler and Moodey, 1943, p. 357.

Named, currently recognized species based on cups or crowns: 31 species. 29 Silurian, 1 Llandoveryan, 22 Wenlockian, 1 Wenlockian – Pridoli, 3 Niagaran, 2 Ludlovian; 2 Devonian, 1 Pragian, 1 Lochkovian - Pragian

Middle Silurian - Early Devonian. Europe,  
Middle - Late Silurian. North America

*Carpocrinus affinis* (Angelin, 1878). Bassler and Moodey, 1943, p. 357. Franzen, 1982, p. 481, Fig. 11. Webster, 1988, p. 50.



- Pionocrinus affinis* Angelin, 1878, p. 5, Pl. 22, fig. 7. Bassler and Moodey, 1943, p. 357.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus angelini* Franzen, 1982, p. 481, Figs. 1-2, 12-13, 20, nos. E, H. Webster, 1988, p. 50. Hess *in* Hess et al., 1999 p. 83, Fig. 98.  
Silurian, Ludlovian, Eke Beds. Sweden, Isle of Gotland
- Carpocrinus anulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.  
*Habrocrinus anulatus* Angelin, 1878, p. 4, Pl. 22, fig. 15. Bassler and Moodey, 1943, p. 357.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus arcticus* Frest and Strimple, 1977a, p. 134, Figs. 1-2. Webster, 1986, p. 91.  
Silurian, Wenlockian - Pridolian, Read Bay Formation, biohermal flank beds.  
Canada, Northwest Territories
- Carpocrinus bodei* Witzke and Strimple, 1981, p. 116, Pl. 2, figs. 9-12, Fig. 8. Webster, 1988, p. 50.  
Silurian, Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa
- Carpocrinus cariosulus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.  
*Habrocrinus cariosulus* Angelin, 1878, p. 3, Pl. 3, figs. 7-7a. Bassler and Moodey, 1943, p. 357.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus chlupaci* Prokop, 2011, p. 130, Fig. 2, nos. a-d.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic, Barrandian area
- Carpocrinus comtus* (Angelin, 1878). Zittel, 1895, p. 121, Fig. 233, no. A. Wachsmuth *in* Zittel, 1900, p. 129, Fig. 233, no. A. Bassler and Moodey, 1943, p. 357.  
*Habrocrinus comtus* Angelin, 1878, p. 4, Pl. 22, fig. 13. Zittel, 1880, p. 337, 366, Figs. 231, no. a; 254, nos. a-b. Wachsmuth *in* Zittel, 1900, p. 143, Fig. 246, no. a. Bassler and Moodey, 1943, p. 357.  
*Carpocrinus (Habrocrinus) comtus* Angelin, 1878. Zittel, 1895, p. 127, Fig. 244, no. A.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus (Habrocrinus) comtus* Angelin 1878 = *Carpocrinus comtus*
- Carpocrinus decadactylus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.  
*Habrocrinus decadactylus* Angelin, 1878, p. 4, Pl. 25, figs. 18-19. Bassler and Moodey, 1943, p. 357.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus elegantulus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.  
Franzen, 1982, p. 481. Webster, 1988, p. 50.

*Pionocrinus elegantulus* Angelin, 1878, p. 5, Pl. 22, figs. 16-17. Bassler and Moodey, 1943, p. 357.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus farctus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.

*Pionocrinus farctus* Angelin, 1878, p. 5, Pls. 16, fig. 23; 22, figs. 5-6. Bassler and Moodey, 1943, p. 357.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus farringtoni* (Slocum, 1908) = *Stiptocrinus farringtoni*

*Carpocrinus grandis* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.

*Habrocrinus grandis* Angelin, 1878, p. 4, Pl. 26, fig. 10. Bassler and Moodey, 1943, p. 357.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus granulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 357.

*Habrocrinus granulatus* Angelin, 1878, p. 4, Pl. 19, figs. 13-13a. Bassler and Moodey, 1943, p. 357.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus laevis* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Habrocrinus laevis* Angelin, 1878, p. 4, Pl. 10, figs. 21-21b. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus lemontensis* (Slocum, 1908). Bassler and Moodey, 1943, p. 358.

*Habrocrinus lemontensis* Slocum, 1908, p. 297, Pl. 87, figs. 8-10. Bassler and Moodey, 1943, p. 358.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Carpocrinus laurelianus* (Springer, 1926). Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 14. Moore and Laudon, 1944, p. 193, Pl. 75, fig. 13. Webster, 1973, p. 78.

*Desmidocrinus laurelianus* Springer, 1926a, p. 43, Pl. 7, figs. 24-24b. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 416. Moore and Laudon, 1943b, p. 139. Webster, 1973, p. 78.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Carpocrinus longimanus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Habrocrinus longimanus* Angelin, 1878, p. 4, Pl. 22, figs. 11-12. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus ornatissimus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Habrocrinus ornatissimus* Angelin, 1878, p. 3, Pl. 6, fig. 9. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus ornatus* (Angelin, 1878). Zittel, 1895, p. 127, fig. 244, no. B. Bassler and Moodey, 1943, p. 358. Ubaghs *in* Moore and Teichert, 1978, p. T155, T463, Figs. 129, no. 2; 130; 271, nos. 2b-2c. Webster, 1986, p. 91. Smith, A. B., 1985, p. 166, Pl. 7.4.3. Webster, 1988, p. 50. Prokop and Petr, 1999, p. 135, Fig. 1. *Habrocrinus ornatus* Angelin, 1878, p. 4, Pls. 21, figs. 19-20; 26, figs. 11, 12b; 27, fig. 5. Wachsmuth *in* Zittel, 1900, p. 143, Fig. 246, no. b. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian, Slite Beds; Barrandian. Sweden, Isle of Gotland; Czech Republic

*Carpocrinus petilus* Franzen, 1982, p. 482, Figs. 1-2, 13-14, 20, nos. D, F-G. Webster, 1988, p. 50. Hess *in* Hess et al., 1999 p. 83, Fig. 98.

Silurian, Ludlovian, Eke Beds. Sweden, Isle of Gotland

*Carpocrinus pinnulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Habrocrinus pinnulatus* Angelin, 1878, p. 4, Pl. 22, fig. 14. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus pulchellus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Pionocrinus pulchellus* Angelin, 1878, p. 5, Pl. 3, figs. 9-9a. Bassler, 1938, p. 153. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus ramsbottomi* Widdison *in* Donovan et al., 2012, p. 171, Pl. 45, Fig. 2.

Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland

*Carpocrinus raridigitatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Leptocrinus raridigitatus* Angelin, 1878, p. 3, Pls. 20, figs. 18-19; 28, figs. 4-4a. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus robustus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.

*Habrocrinus robustus* Angelin, 1878, p. 4, Pl. 22, fig. 19. Bassler and Moodey, 1943, p. 358.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Carpocrinus sablensis* Le Menn, 1987a, p. 218, Pl. 1, figs. 2-3; Figs. 2-3. Webster, 1993, p. 36.

Devonian, Lochkovian – Pragian (late Gedinnian – Siegenian), Saint-Cenere Formation. France, American Massif

*Carpocrinus sculptus* Springer, 1926a, p. 42, Pl. 7, figs. 21-21b. Bassler and Moodey, 1943, p. 358.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

- \**Carpocrinus simplex* (Phillips *in* Murchison, 1839). Bronn, 1848, p. 238. Bather *in* Lankester, 1900, p. 166, Fig. 79-2. Springer, 1926a, p. 42, Pl. 7, figs. 22-23. Bassler and Moodey, 1943, p. 358. Watkins and Hurst, 1977, p. 210, Fig. 4, no. E. Ubaghs *in* Moore and Teichert, 1978, p. T155, T463, Figs. 129, no. 1, 271, no. 2a. Webster, 1986, p. 91. Donovan et al., 2008a, p. 36, Fig. 3, no. B. Donovan et al., 2012, p. 167, Pl. 41, fig. 3; Fig. 74.
- Actinocrinites simplex* Phillips *in* Murchison, 1839, p. 673, Pl. 18, fig. 8. Quenstedt, 1885, p. 945, Pl. 75, fig. 13 (labeled as *Carpocrinus simplex* on plate explanation). Bassler, 1938, p. 60, 152. Bassler and Moodey, 1943, p. 358.
- Cyathocrinus simplex* (Phillips, 1839). Quenstedt, 1885, p. 945, Pl. 75, fig. 13.
- Actinocrinus simplex* (Phillips, 1839). Bronn, 1848, p. 14. Dujardin and Hupé, 1862, p. 148. Bassler and Moodey, 1943, p. 281.
- Pionocrinus simplex* (Phillips, 1839). Angelin, 1878, p. 5, Pl. 15, figs. 15-15a. Bassler and Moodey, 1943, p. 358.
- Phoenicocrinites simplex* (Phillips, 1839). Bronn, 1848, p. 960.
- Abracrinus simplex* (Phillips, 1839). d'Orbigny, 1850, p. 47.
- Taxocrinus simplex* (Phillips, 1839). Bigsby, 1868, p. 23.
- Actinocrinus tesseracontadactylus* Hisinger, 1837-1841 (*non* Goldfuss, 1831), p. 90, Pl. 35, figs. 4a-4b. Bronn, 1848, p. 14. Bassler and Moodey, 1943, p. 358.
- Cyathocrinus tesseracontadactylus* (Hisinger, 1837-1841). Salter *in* Murchison, 1847, Pl. 14, fig. 4. Murchison, 1859, p. 246, Pl. 14, fig. 4. Bassler and Moodey, 1943, p. 358.
- Taxocrinus tesseracontadactylus* (Hisinger, 1837-1841). Bigsby, 1868, p. 23. Murchison, 1872, p. 223, Pl. 14, fig. 4 (given as *Cyathocrinus tesseracontadactylus* on plate explanation).
- Ichthyocrinus tesseracontadactylus* (Hisinger, 1837-1841). d'Orbigny, 1850, p. 46 (sic). Dujardin and Hupé, 1862, p. 132.
- Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom, Scotland; Sweden, Isle of Gotland
- Carpocrinus tenuis* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.
- Habrocrinus tenuis* Angelin, 1878, p. 4, Pl. 26, figs. 9-9a. Bassler and Moodey, 1943, p. 358.
- Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus umbonatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 358.
- Habrocrinus umbonatus* Angelin, 1989, p. 4, Pl. 26, figs. 13-13a. Bassler and Moodey, 1943, p. 358.
- Silurian, Wenlockian. Sweden, Isle of Gotland
- Carpocrinus verminosus* Donovan et al., 2012, p. 169, Fig. 75.
- Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland
- Carpocrinus* sp. Witzke and Strimple, 1981, p. 117, Pl. 2, figs. 13-14. Webster, 1988, p. 50.
- Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*CASTANOCRINUS* Roemer, 1854 = **MELOCRINITES**

*CASTOCRINUS* Ringuenberg, 1889 = **CREMACRINUS**

*Castocrinus articulatus* (Billings), 1859 = *Heterocrinus articulatus* = *Cremacrinus articulatus*

*Castocrinus billingsianus* Ringuenberg, 1889 = *Cremacrinus billingsianus*

*Castocrinus furcillatus* (Billings, 1887) = *Calceocrinus furcillatus* = *Cremacrinus furcillatus*

*Castocrinus inaequalis* (Billings, 1859) = *Heterocrinus inaequalis* = *Cremacrinus inaequalis*

*Castocrinus kentuckiensis* (Miller and Gurley, 1894) = *Cremacrinus kentuckiensis*

*Castocrinus rugosus* (Billings, 1887) = *Calceocrinus rugosus* = *Cremacrinus rugosus*

*CASTROCRINUS* Wachsmuth and Springer, 1891 = **CREMACRINUS**

*Castrocrinus eupelmatus* (Schmidt, 1915) = *Arthroacantha eupelmatus*

Catacrinid? Indet. Webster et al., 2009a, p. 50, Fig. 3, nos. A-B.

?*Sinocrinus* sp. Lane et al., 1996, p. 126, Figs. 5.15-5.16, 6.16. Webster et al., 2009a, p. 50.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region

Catacrinid radial Holterhoff and Pabian, 1989, p. 38, Fig. 4, no. B. Webster, 1993, p. 36.

Permian, Wolfcampian, Bennett Shale. Nebraska

Catacrinidae gen. et sp. indet. Webster et al., 2009, p. 672, Fig. 8, no. a.

Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island

*CATACRINUS* Knapp, 1969 = **DELOCRINUS**

*Catacrinus craigii* (Worthen, 1875) = *Delocrinus craigii*

*Catacrinus doveri* (Strimple, 1963) = *Delocrinus doveri*

*Catacrinus graphicus* (Moore and Plummer, 1940), Knapp, 1969 = *Delocrinus graphicus* = *Graffhamicrinus graphicus*

*Catacrinus missouriensis* (Miller and Gurley, 1890) = *Eperisocrinus missouriensis*

*Catacrinus papulosus* (Moore and Plummer, 1940) = *Graffhamicrinus papulosus* = *G. nodosarius*

*Catacrinus paucinodus* (Moore and Plummer, 1940), Knapp, 1969 = *Graffhamicrinus paucinodus*

\**Catacrinus subhemisphericus* (Moore and Plummer, 1940), Knapp, 1969 = *Delocrinus subhemisphericus*

**CATACTOCRINUS** Goldring, 1923. \**C. leptodactylus* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Rhenocrinoidea, F. Glossocrinidae

Goldring, 1923, p. 416. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 359. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 78. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 91. McIntosh, 2001, p. 805. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, Frasnian. United States

\**Catactocrinus leptodactylus* Goldring, 1923, p. 405, Pl. 53, figs. 5-9. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 359. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 91.

Devonian, Frasnian, Chemung Formation. United States, New York

*Catactocrinus? torus* Webster and Hafley *in* Webster et al., 1999 = *Bufalocrinus torus*

**CATARACTOCRINUS** Eckert, 1984. \**C. clementi* Eckert, 1984.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Eckert, 1984, p. 26. Webster, 1988, p. 50.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Ontario

\**Cataractocrinus clementi* Eckert, 1984, p. 27, Pl. 5, figs. 1-9; Fig. 12, nos. A-D. Webster, 1988, p. 50.

Silurian, Llandoveryian, Cabot Head Formation. Canada, Ontario

**CATARAQUICRINUS** Kolata, 1983. \**C. elongatus* Kolata, 1983.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Kolata, 1983, p. 1609. Clement, 1988, p. 113. Webster, 1988, p. 51. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian. Canada, Ontario

\**Cataraquicrinus elongatus* Kolata, 1983, p. 1611, Figs. 1-2. Webster, 1988, p. 51.  
Ordovician, Darrivilian, Gull River Formation. Canada, Ontario

**CATATONOCRINUS** Brett, 1981. \**Calceocrinus halli* Ringuenberg, 1889.  
Sbc. Disparida, O. Calceocrinida, Spf. Calceocrinoidea, Calceocrinidae  
Brett, 1981a, p. 168. Ausich, 1984a, p. 1183. Webster, 1988, p. 51. Harvey and  
Ausich, 1997, p. 302. Ausich, 1998b, p. 27.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Wenlockian species  
Silurian, Wenlockian. United States

\**Catatonocrinus halli* (Ringuenberg, 1889). Brett, 1981a, p. 169, Pl. 5, figs. 1-8; Fig. 5.  
Webster, 1988, p. 51.  
*Calceocrinus halli* Ringuenberg, 1889, p. 403, Pl. 10, fig. 9. Miller, S. A., 1897, p.  
740. Springer, 1926a, p. 119, Pl. 29, fig. 19. Bassler, 1938, p. 56. Bassler and  
Moodey, 1943, p. 346. Moore, 1962a, p. 27. Webster, 1973, p. 250. Brett,  
1981a, p. 169. Webster, 1988, p. 51.  
*Synchirocrinus? halli* (Ringuenberg, 1889). Moore, 1962a, p. 28. Webster, 1973, p.  
250. Brett, 1981a, p. 169. Webster, 1988, p. 51.  
*Calceocrinus* sp. Hall, 1860. Brett, 1981a, p. 169. Webster, 1988, p. 51.  
*Calceocrinus contractus* Ringuenberg, 1889, p. 404, Pl. 10, figs. 12a-12b. Miller, S.  
A., 1897, p. 740. Bassler and Moodey, 1943, p. 413. Brett, 1981a, p. 169.  
Webster, 1988, p. 51.  
*Deltacrinus contractus* (Ringuenberg, 1889). Bassler, 1915, p. 393. Bassler and  
Moodey, 1943, p. 413. Moore, 1962a, p. 28. Webster, 1973, p. 102. Brett,  
1981a, p. 169. Webster, 1988, p. 51.  
Silurian, Wenlockian, Rochester Shale; Gasport Limestone. United States, New  
York; Canada, Ontario

**CATHETOCRINUS** Knapp, 1969. \**Delocrinus stullensis* Strimple, 1947.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf.  
Erisocrinoidea, F. Catacrinidae  
Knapp, 1969, p. 361. Webster, 1977, p. 53. Moore, Strimple, and Lane *in* Moore  
and Teichert, 1978, p. T717 (put in synonymy of *Delocrinus*, with which I agree,  
GDW). Pabian and Strimple, 1985, p. 43. Webster, 1988, p. 51.  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Virgilian species  
Pennsylvanian, Virgilian. United States, Kansas, Nebraska

\**Cathetocrinus stullensis* (Strimple, 1947). Knapp, 1969, p. 361. Webster, 1977, p.  
53. Pabian and Strimple, 1985, p. 43, Figs. 20, nos. i, k; 24, nos. a-c. Webster,  
1988, p. 51.  
*Delocrinus stullensis* Strimple, 1947, p. 5, Pl. 2, figs. 4-6. Strimple, 1961g, p. 124.  
Knapp, 1969, p. 361. Webster, 1973, p. 140. Webster, 1977, p. 53.  
*Graffhamicrinus stullensis* (Strimple, 1947). Strimple, 1961g, p. 124. Brower, 1973,  
p. 383, Fig. 24, no. P. Webster, 1973, p. 140. Pabian and Strimple, 1974a, p.  
272, Pl. 33, figs. 4-5. Pabian and Strimple, 1974b, p. 32, Fig. 15, nos. 1-3.

Webster, 1977, p. 93. Pabian and Strimple, 1978a, p. 49. Webster, 1986, p. 161. Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Curzon Limestone; Soldier Creek Limestone; Deer Creek Formation, Ervine Creek Limestone Member. United States, Kansas, Nebraska

*CATHOCRINUS* Miller, 1897 = **CYATHOCRINITES**

*CATILLICRINUS* Miller, 1889 = **CATILLOCRINUS**

Catillocrinid? indet. Jell and Jell, 1999, p. 229, . 25.

Devonian, middle Famennian, Virgin Hills Formation. Australia, Western Australia

Catillocrinidae gen et sp. indet. Prokop and Petr, 1998b, p. 52, Figs. 1-2

(typographical error as Catillocrinidae in caption of Fig. 1).

Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia

*CATILLOCRINITES* Troost, 1849 = **CATILLOCRINUS**

*Catillocrinites tennesseeae* Troost, 1849 = *Catillocrinus tennesseeae*

**CATILLOCRINUS** Shumard, 1865. \**C. tennesseeae* Shumard, 1865.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae

Shumard, 1865, p. 357. Shumard, 1866, p. 357. Shumard, 1868, p. 357. Zittel, 1880,

p. 342, 348. Wachsmuth and Springer, 1886, p. 268 (192). Miller, S. A., 1889, p. 231. Bather *in* Lankester, 1900, p. 149. Wachsmuth *in* Zittel, 1900, p. 153.

Jaekel, 1902, p. 1101, Fig. 28, no. F. Delage and Herouard, 1903, p. 379. Wood,

E., 1909, p. 23. Springer *in* Zittel, 1913, p. 214. Wanner, 1916, p. 9. Springer,

1923a, p. 7. Wanner, 1937, p. 110. Bassler, 1938, p. 63. Moore, 1940b, p. 80.

Bassler and Moodey, 1943, p. 359. Moore and Laudon, 1943b, p. 30, Fig. 3.

Moore and Laudon, 1944, p. 149, Pl. 52, fig. 4. Ubaghs, 1953, p. 747, Fig. 11, no.

d. Moore, 1962b, p. 16, Fig. 12, no. 11. Arendt and Hecker, 1964, p. 81.

Webster,

1973, p. 78. Webster, 1977, p. 53. Willink, 1978, p. 8, Figs. 3, no. A; 4. Moore

and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 334, no. 11. Webster,

1986, p. 91. Ausich and Lane, 1982b, p. 1345. Webster, 1987, p. 108. Webster,

1988, p. 51. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 36. Ausich,

Kammer, and Meyer, 1997, p. 138. Ausich, Kammer, and Meyer, 1997, p. 141.

Rozhnov, 2002, p. 588, Fig. 45, nos. c-d (diagramatic).

*CATILLOCRINITES* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomem nudum*).

Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 359. Moore and Strimple *in*

Moore and Teichert, 1978, p. T542.

*CATILLICRINUS* Miller, S. A., 1889, p. 231. Bassler, 1938, p. 62. Bassler and

Moodey, 1943, p. 359. Moore and Strimple *in* Moore and Teichert, 1978, p.

T542.



*NEMATOCRINUS* Meek and Worthen, 1866b, p. 251. \**Synbathocrinus wachsmuthi* Meek and Worthen, 1866. Miller, S. A., 1889, p. 262. Bassler, 1938, p. 137. Bassler and Moodey, 1943, p. 359. Moore and Strimple *in* Moore and Teichert, 1978, p. T542.

*EUCATILLOCRINUS* Springer, 1923a, p. 19. Wanner, 1937, p. 111. Bassler, 1938, p. 97. Moore, 1940b, p. 86. Bassler and Moodey, 1943, p. 468. Moore and Laudon, 1943b, p. 30. Moore and Laudon, 1944, p. 149. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16, Fig. 12, no. 9. Arendt and Hecker, 1964, p. 81. Strimple, Allison, and Kline, 1971, p. 13. Webster, 1973, p. 127. Webster, 1977, p. 82. Willink, 1978, p. 86, Fig. 4. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 334, no. 9. Webster, 1986, p. 144. Webster, 1987, p. 108. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 36. Ausich, Kammer, and Meyer, 1997, p. 141 (recognize genus as valid, with which I do not agree, GDW).

Named, currently recognized species based on cups or crowns: 5 species. 3 Mississippian, Viséan (Osagean); 2 Pennsylvanian, 1 Bashkirian, 1 Atokan Mississippian, Viséan (Osagean), Pennsylvanian, Atokan. United States, Alaska

*Catillocrinus bradleyi* Meek and Worthen, 1868b, p. 343. Meek and Worthen, 1873, p. 504, Pl. 14, figs. 10a-10b. Miller, S. A., 1889, p. 231. Weller, S., 1898c, p. 170. Bassler and Moodey, 1943, p. 468. Cuénot, 1948, p. 62, Fig. 80. Yakovlev, 1964b, p. 64, Fig. 84. Webster, 1973, p. 127. Ausich, Kammer, and Meyer, 1997, p. 141.

*Eucatillocrinus bradleyi* (Meek and Worthen, 1868). Springer, 1923a, p. 19, Pl. 3, figs. 14-17. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 468. Moore and Laudon, 1944, p. 149, Pl. 55, fig. 3. Van Sant *in* Van Sant and Lane, 1964, p. 68, Pl. 1, figs. 1-2; Fig. 24, no. 1. Strimple, Allison, and Kline, 1971, p. 13. Webster, 1973, p. 127. Webster, 1977, p. 82. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 340, no. 2. Webster, 1986, p. 144. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 37. Ausich, Kammer, and Meyer, 1997, p. 141, figs. 3.1-3.3.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Catillocrinus carpenteri* (Wachsmuth), Springer, 1923 = *Allocatillocrinus carpenteri*

*Catillocrinus levatus* Webster et al., 2011, p. 36, Fig. 13, no. m.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Catillocrinus morrowensis* Strimple, 1940 = *Allocatillocrinus morrowensis* =  
*Gongrocrinus morrowensis*

*Catillocrinus nerimberae* McKellar, 1969 = *Notiocatillocrinus nerimberae*

*Catillocrinus richardsoni* (Strimple, Allison, and Kline, 1971). New combination  
*Eucatillocrinus richardsoni* Strimple, Allison, and Kline, 1971, p. 13, Figs. 4, nos. 8-9, 11-13; 5, nos. 2-3. Webster, 1977, p. 83.  
Pennsylvanian, Atokan. United States, Alaska

*Catillocrinus scoticus* Wright, 1933 = *Allocatillocrinus scoticus*

*Catillocrinus shumardi* Springer, 1923 = *Catillocrinus tennesseae*

*Catillocrinus tennesseae* Shumard, 1865 = *Catillocrinus tennesseae*

*Catillocrinus tennesseae* (Troost, 1850) = \**Catillocrinus tennesseae*

\**Catillocrinus tennesseae* Shumard, 1865, p. 358. Shumard, 1866, p. 358. Shumard, 1868, p. 358. Miller, S. A., 1889, p. 231. Weller, S., 1898c, p. 170. Wood, E., 1909, p. 24, Pl. 9, figs. 1-3. Springer, 1923a, p. 26, Pl. 2, figs. 1-22. Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 359. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 15. Moore and Laudon, 1944, p. 149, Pl. 55, fig. 2. Ubaghs, 1953, p.

747, Figs. 44-46. Webster, 1973, p. 78. Wilson, C. W., 1948, p. 166, Pl. 29, figs. 6-8 (incorrectly given as figs. 9-11, p. 166). Webster, 1977, p. 53. Moore and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 337, nos. 2a-2c. Ausich and Lane, 1982b, p. 1345, Fig. 1. Kammer, 1984, p. 121, Fig. 2, nos. Z-BB. Webster, 1986, p. 91. Webster, 1988, p. 51. Ausich, Kammer, and Meyer, 1997, p. 138, Figs. 3.4-3.11, 3.13-3.15. Ausich, 2009a, p. 486, suppl., p. 11.

*Catillocrinites tennesseae* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomem nudum*). Bassler and Moodey, 1943, p. 359.

*Catillocrinus tennesseae* (Troost, 1850). Ausich, Kammer, and Meyer, 1997, p. 138.

*Catillocrinus tennesseae* Shumard, 1865. Ausich, Kammer, and Meyer, 1997, p. 138 (sic).

*Catillocrinus tennesseae* Shumard, 1865. Ausich, Kammer, and Meyer, 1997, p. 138 (sic).

*Catillocrinus shumardi* Springer, 1923a, p. 27. Bassler and Moodey, 1943, p. 359. Ausich and Lane, 1982b, p. 1345, Fig. 1. Webster, 1988, p. 51. Ausich, Kammer, and Meyer, 1997, p. 138.

*Catillocrinus turbinatus* Springer, 1923a, p. 26, Pl. 1, figs. 14-17. Bassler and Moodey, 1943, p. 359. Ubaghs, 1953, p. 747, Fig. 43. Webster, 1973, p. 79. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 85, no. 3. Ausich and Lane, 1982b, p. 1345, Fig. 1. Webster, 1986, p. 92. Webster, 1988, p. 51. Ausich, Kammer, and Meyer, 1997, p. 138.

*Catillocrinus wachsmuthi* (Meek and Worthen, 1866), Ausich, 1978, p. 227, Fig. 49. Ausich, Kammer, and Meyer, 1997, p. 138.

Mississippian, Viséan (Osagean), Edwardsville Formation, Keokuk Limestone; Borden Formation, New Providence Shale Member; Fort Payne Formation. United States, Tennessee, Kentucky, Indiana

*Catillocrinus tennesseae* Shumard, 1865 = *Catillocrinus tennesseae*

*Catillocrinus turbinatus* Springer, 1923 = *Catillocrinus tennesseae*

*Catillocrinus wachsmuthi* (Meek and Worthen, 1866). Meek and Worthen, 1868c, p. 465, Pl. 18, fig. 5. Wachsmuth and Springer, 1885, Pl. 5, figs. 15-16.

Wachsmuth

and Springer, 1886, p. 272 (196). Miller, S. A., 1889, p. 231, Fig. 263.

Wachsmuth and Springer, 1897, Pl. 8, fig. 14. Weller, S., 1898c, p. 170.

Springer,

1923a, p. 26, Pl. 3, figs. 1-11. Bassler and Moodey, 1943, p. 359. Moore and Laudon, 1944, p. 149, Pl. 55, fig. 1. Van Sant *in* Van Sant and Lane, 1964, p. 68, Fig. 24, no. 2. Webster, 1973, p. 79. Moore and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 337, nos. 2d-2e. Ausich and Lane, 1982b, p. 1345, Fig. 1. Webster, 1986, p. 92. Webster, 1988, p. 51. Ausich, Kammer, and Meyer, 1997, p. 141, Figs. 3.12.

*Synbathocrinus (Nematocrinus) wachsmuthi* Meek and Worthen, 1866b, p. 251.

Bassler and Moodey, 1943, p. 359. Ausich, Kammer, and Meyer, 1997, p. 141.

*Synbathocrinus wachsmuthi* Meek and Worthen, 1866. Weller, S., 1898c, p. 170.

Bassler, 1938, p. 137.

Mississippian, Viséan (middle Osagean), upper part of Burlington Limestone. United States, Iowa

*Catillocrinus wachsmuthi* (Meek and Worthen, 1866), Ausich, 1978 = *Catillocrinus tennesseae*

*Catillocrinus* spp.

Easton, 1942, p. 84, Pl. 3, fig. 4.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas

*Eucatillocrinus* sp. Priest, 1973, p. 76, Fig. 18. Webster, 1977, p. 83.

Mississippian, Viséan (Osagean). United States

Webster and Lane, 1987, p. 42. Webster, 1993, p. 36.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada  
Howell, 1995, p. 100, Pl. 5, figs. 6-7.

No age or locality given

Greb et al., 2008, p. 18, Figs. unnumbered.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

**CAUCACROCRINUS** Moore and Strimple, 1969. \**C. urnula* Moore and Strimple, 1969.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 28. Webster, 1977, p. 53. Moore and Strimple *in* Moore and Teichert, 1978, p. T485. Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 92. Webster, 1988, p. 52.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Illinois

*Caucacrocricinus acutus* Moore and Strimple, 1969a, p. 33, Figs. 20, nos. 1-7; 21, no. 3.  
Webster, 1977, p. 53.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

\**Caucacrocricinus urnula* Moore and Strimple, 1969a, p. 28, Figs. 1, no. 6; 16, nos. 1-7; 17, nos. 1-8; 18, nos. 1-3; 19, nos. 1-2. Priest, 1973, p. 75, Fig. 16. Webster, 1977, p. 53. Moore and Strimple *in* Moore and Teichert, 1978, p. T485, Figs. 282, no. 6; 287, no. 1. Webster, 1986, p. 92.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member.  
United States, Illinois

**CEFNOCRINUS** Botting, 2003. \**Cefnocricinus samgilmouri* Botting, 2003, OD.

Sbc. Camerata, O. Diplobathrida, F. Rhodocritinidae

Botting, 2003, p. 689.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darriwilian species

Ordovician, Darriwilian. United Kingdom, Wales

\**Cefnocricinus samgilmouril* Botting, 2003, p. 689, Pls. 1, figs. 1-10; 2, figs. 8-9, Fig. 4.  
Gen. et sp. nov. Donovan and Gilmour, 2003, p. 158, Fig. 4.

Ordovician, Darriwilian, volcanogenic sandstones, Lower *Didymographtus*  
*murchisoni* Shales. United Kingdom, Wales

**CELONOCRINUS** Lane and Webster, 1966. \**C. expansus* Lane and Webster, 1966.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbc. Dendrocrinida, Spf.

Texacrinioidea, F. Stellarocrinidae

Lane and Webster, 1966, p. 47. Webster, 1973, p. 79. Strimple and Moore, 1971a,  
p. 32. Strimple, 1973e, p. 19. Webster, 1977, p. 53. Moore, Strimple, and Lane  
*in* Moore and Teichert, 1978, p. T670. Webster, 1986, p. 92. Lane and  
Sevastopulo, 1990, p. 334. Webster, 1993, p. 37. *Thomka, et al., 2012, p. 475,*  
*Fig. 9.*

Named, currently recognized species based on cups or crowns: 3 species. 1

Pennsylvanian, Desmoinesian – Missourian; 2 Permian, Wolfcampian

Pennsylvanian, Desmoinesian - Missourian, Early Permian, Wolfcampian. United States

*Celonocricinus angulatus* (Miller and Gurley, 1893). Strimple and Moore, 1971a, p. 32.  
Webster, 1977, p. 54.

*Aesiocricinus angulatus* Miller and Gurley, 1893, p. 59, Pl. 6, fig. 9. Miller, S. A.,  
1897, p. 732. Weller, S., 1898c, p. 420. Bassler and Moodey, 1943, p. 685.

Strimple and Moore, 1971a, p. 32. Webster, 1977, p. 54.

*Phialocricinus angulatus* (Miller and Gurley, 1893). Weller, S., 1898c, p. 420.

*Whiteocricinus angulatus* (Miller and Gurley, 1893). Strimple, 1939b, p. 36.

Bassler and Moodey, 1943, p. 685.

*Apolloicricinus angulatus* (Miller and Gurley, 1893). Moore and Plummer, 1940, p.  
72. Bassler and Moodey, 1943, p. 685.

*Stellarocrinus angulatus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 685. Strimple, 1962e, p. 41, Pl. 3, figs. 2-4. Webster, 1973, p. 243. Pennsylvanian, Desmoinesian - Missourian, Oologah Limestone; ?Argentine Limestone. United States, Oklahoma, Missouri

\**Celonocrinus expansus* Lane and Webster, 1966, p. 48, Pl. 11, figs. 1-2, 4-5; Fig. 18. Webster and Lane, 1967, p. 14. Webster, 1973, p. 79. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670, Fig. 441, no. 3. Webster, 1986, p. 92. Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Celonocrinus nodulus* Webster and Lane, 1987, p. 48, Fig. 11, nos. 30-31. Webster, 1993, p. 37. Mississippian?, Osagean?, Anchor Limestone? (Most likely Early Permian, middle Wolfcampian, upper part of Bird Spring Limestone). United States, Nevada

*Celonocrinus* sp. Strimple and Moore, 1971a, p. 32. Webster, 1977, p. 54. *Stellarocrinus* sp. cf. *S. angulatus* (Miller and Gurley), 1893. Strimple and Watkins, 1969, p. 176, Pls. 49, figs. 7-8; 50, figs. 1, 6. Strimple and Moore, 1971a, p. 32. Webster, 1977, p. 54. Pennsylvanian, Missourian, Wolf Mountain Shale. United States, Texas

**CENTRIOCRINUS** Bather, 1899. \**Actinocrinus pentaspinus* Lyon, 1869. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae  
Bather, 1899a, p. 127. Bather *in* Lankester, 1900, p. 162. Springer *in* Zittel, 1913, p. 191. Springer, 1921a, p. 3. Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 360. Moore and Laudon, 1943b, p. 99. Ubaghs, 1953, p. 742. Webster, 1973, p. 79. Ubaghs *in* Moore and Teichert, 1978, p. T506. Webster, 1986, p. 92.  
**CENTROCRINUS** Zittel, 1880, p. 365. Wachsmuth and Springer, 1881 (*non* Austin and Austin, 1843), p. 96, 104 (270, 278). Miller, S. A., 1889, p. 231. Wachsmuth and Springer, 1897, p. 308. Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 360.  
Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species  
Middle Devonian. United States, Kentucky

\**Centriocrinus pentaspinus* (Lyon, 1869). Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 360. Ubaghs *in* Moore and Teichert, 1978, p. T506, Fig. 308, no. 3. *Actinocrinus pentaspinus* Lyon, 1869, p. 453, Pl. 26, figs. d, d-1. Miller, S. A., 1889, p. 219. Bassler and Moodey, 1943, p. 360. *Centrocrinus pentaspinus* (Lyon, 1869). Wachsmuth and Springer, 1881, p. 105 (279). Wachsmuth and Springer, 1897, p. 309, Pl. 25, figs. 10a-10c. Bassler and Moodey, 1943, p. 360.

*Actinocrinus multicornis* Lyon, 1869, p. 455, Pl. 26, fig. e. Miller, S. A., 1889, p. 219.  
 Bassler and Moodey, 1943, p. 360.  
 Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*CENTROCRINUS* Austin and Austin, 1843 = **PLATYCRINITES**

*CENTROCRINUS* Wachsmuth and Springer, 1881 = **CENTRIOCRINUS**

*Centrocrinus gigas* (Gilbertson, 1836) = *Platycrinites gigas* = *Platycrinites* s.s. *gigas*

*Centrocrinus pentaspinus* (Lyon, 1869) = *Centriocrinus pentaspinus*

*Centrocrinus tennesseensis* Worthen, 1890 = *Hormocrinus tennesseensis*

*CERAMOCRINUS* Müller, 1855 = **GASTEROCOMA**

*Ceramocrinus eifelensis* Zeiler and Wirtgen, 1855 = *Gasterocoma eifelensis*

**CERASMOCRINUS** Strimple and Levorson, 1973. \**Hexacrinus springeri* Thomas, 1924.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Carpocrinidae

Strimple and Levorson, 1973, p. 184. Webster, 1986, p. 92.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, Frasnian. United States, Iowa

\**Cerasmocrinus springeri* (Thomas, 1924). Strimple and Levorson, 1973, p. 184, Pl. 1, figs. 1-6.

*Hexacrinus springeri* Thomas, A. O., 1924, p. 461, Pls. 42, figs. 2-9; 43, figs. 1-9; Fig. 72. Bassler and Moodey, 1943, p. 510. Strimple, 1963d, p. 93. Strimple and Levorson, 1973, p. 184. Webster, 1973, p. 104. Webster, 1986, p. 92.

*Hexacrinites springeri* (Thomas, 1924). Bassler and Moodey, 1943, p. 510.

*Desmidocrinus springeri* (Thomas, 1924). Strimple, 1963d, p. 93, Fig. 29.

Webster, 1973, p. 104.

Devonian, Frasnian, Shell Rock Formation, Mason City Member. United States, Iowa

**CERATOCRINUS** Wanner, 1937. \**C. exornatus* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae

Wanner, 1937, p. 177. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 360.

Moore and Laudon, 1943b, p. 51. Branson, C. C., 1948, p. 186. Ubaghs, 1953, p. 750. Arendt and Hecker, 1964, p. 83. Lane and Moore *in* Moore and Teichert, 1978, p. T582. Webster, 1986, p. 93.

Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Ceratocrinus exornatus* Wanner, 1937, p. 178, Pl. 11, figs. 22-26; Fig. 63. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 360. Branson, C. C., 1948, p. 186. Ubaghs *in* Moore and Teichert, 1978, p. T179, Fig. 151, nos. 2-3. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 373, nos. 2a-2e. Webster, 1986, p. 93.

Permian, series uncertain. West Timor

*Ceratocrinus gracilis* Wanner, 1937, p. 180, Pls. 11, fig. 27; 12, figs. 1-3. Bassler and Moodey, 1943, p. 360. Branson, C. C., 1948, p. 186. Ubaghs *in* Moore and Teichert, 1978, p. T178, Fig. 149, no. 4. Webster, 1986, p. 93.

Permian, series uncertain. West Timor

**CERCIDOCRINUS** Kirk, 1938. \**Poteriocrinus bursaiformis* White, 1862.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Scytalocrinoidea, F. Cercidocrinidae

Kirk, 1938, p. 163. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 360. Moore and Laudon, 1943b, p. 56, Fig. 6. Moore and Laudon, 1944, p. 159, Pl. 52, fig. 20. Moore and Strimple *in* Moore and Teichert, 1978, p. T651. Webster, 1986, p. 93. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 37.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 4 Tournaisian, 1 Viséan

Mississippian, Kinderhookian - Osagean. United States, Missouri, Iowa

*Cercidocrinus blairi* (Miller and Gurley, 1895). Kirk, 1938, p. 163. Bassler and Moodey, 1943, p. 360.

*Poteriocrinus blairi* Miller and Gurley, 1895b, p. 61, Pl. 4, figs. 1-2. Miller, S. A., 1897, p. 751, Fig. 1382. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 360.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

\**Cercidocrinus bursaiformis* (White, 1862). Kirk, 1938, p. 163. Bassler and Moodey, 1943, p. 360. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 4. Moore and Laudon, 1944, p. 159, Pl. 59, fig. 10. Webster, 1973, p. 79. Moore and Strimple *in* Moore and Teichert, 1978, p. T652, Fig. 427, no. 3. Webster, 1986, p. 93.

*Poteriocrinus bursaiformis* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 10. Shumard, 1868, p. 391. Weller, S., 1898c, p. 640. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 360.

*Poteriocrinus bursiformis* White, 1862. Miller, S. A., 1889, p. 273 (sic).

*Woodocrinus bursaiformis* (White, 1862). Weller, S., 1898c, p. 640.

*Zeacrinus bursaiformis* (White, 1862). Springer, 1926b, p. 79, Pl. 21, fig. 1.

Bassler and Moodey, 1943, p. 360.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cercidocrinus cirrifer* (Laudon, 1933) = *Pachylocrinus cirrifer* = *Paracosmetocrinus cirrifer*

*Cercidocrinus fimbria* (Laudon, 1933). Kirk, 1938, p. 164. Bassler and Moodey, 1943, p. 360.

*Pachylocrinus fimbria* Laudon, 1933, p. 64, Pl. 5, figs. 2-3. Bassler and Moodey, 1943, p. 360. Webster, 1977, p. 120.

*Paracosmetocrinus fimbria* (Laudon, 1933). Jacobson, 1970, p. 232, Unnum. Fig. p. 229. Webster, 1977, p. 120.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Cercidocrinus infrequens* (Laudon and Beane, 1937). Kirk, 1938, p. 164. Bassler and Moodey, 1943, p. 361. Moore and Laudon, 1944, p. 159, Pl. 60, fig. 20. Webster, 1973, p. 79.

*Zeacrinus infrequens* Laudon and Beane, 1937, p. 257, Pl. 17, figs. 11-12. Bassler and Moodey, 1943, p. 361.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Cercidocrinus? sampsoni* (Miller and Gurley, 1895). Kirk, 1938, p. 164. Bassler and Moodey, 1943, p. 361.

*Poteriocrinus sampsoni* Miller and Gurley, 1895b, p. 65, Pl. 4, figs. 9-10. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 477. Peck and Keyte, 1938, p. 106, Pl. 31, figs. 9-11. Bassler and Moodey, 1943, p. 361.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

**CERIOCRINUS** White, 1880 = **DELOCRINUS**

*Ceriocrinus craigii* (Worthen, 1875) = *Delocrinus craigii*

*Ceriocrinus crassus* Wanner, 1924 = *Graphiocrinus? crassus*

*Ceriocrinus depressus* (Wanner, 1916) = *Graphiocrinus? depressus*

*Ceriocrinus excavatissimus* (Wanner, 1916) = *Graphiocrinus? excavatissimus*

*Ceriocrinus fayettensis* (Worthen, 1873) = *Endelocrinus fayettensis*

*Ceriocrinus harshbergeri* Beede, 1902 = *Delocrinus harshbergeri*

*Ceriocrinus hemisphericus* (Shumard, 1858). Grabau and Shimer, 1910 = *\*Delocrinus subhemisphericus*

*Ceriocrinus hemisphericus* Keyes, 1894 = *Delocrinus hemisphericus* = *Delocrinus subhemisphericus*



*Ceriocrinus houkouensis* (Tien, 1926) = *Delocrinus houkouensis*

*Ceriocrinus inflexus* (Geinitz, 1866) = *Subarrectocrinus inflexus*

*Ceriocrinus missouriensis* (Miller and Gurley, 1890) = *Eperisocrinus missouriensis*

*Ceriocrinus monticulatus* Beede, 1899 = *Ethelocrinus monticulatus*

*Ceriocrinus noduliferua* Butts, 1898, p. 13, Unnum. Pl. (Probably a *Graffhamicrinus*, GDW).

Pennsylvanian, Missourian, Lane Shale. United States, Missouri

*Ceriocrinus planus* (White, 1879) = *Cricocrinus planus* = *Paradelocrinus planus* = *Sublobalocrinus planus*

*Ceriocrinus priscus* Rowley, 1903 = *Delocrinus priscus*

*Ceriocrinus rugosus* (Wanner, 1916) = *Graphiocrinus rugosus* = *Apographiocrinus rugosus*

*Ceriocrinus serratmarginatus* Yakovlev, 1930 = *Delocrinus serratmarginatus*

*Ceriocrinus verbeeki* (Wanner, 1916) = *Graphiocrinus verbeeki*

*Ceriocrinus?* sp. Reagan, 1904, p. 238, Fig. 3, (cup and arm plates).

Pennsylvanian, Morrowan, upper part of Redwall Limestone. United States, Arizona

**CESTOCRINUS** Kirk, 1940. \**Cyathocrinus signatus* Miller and Gurley, 1893.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.

Cyathocrinitoidea, F. Lecythocrinidae

Kirk, 1940a, p. 221. Bassler and Moodey, 1943, p. 361. Moore and Laudon,

1943b, p. 51, Fig. 4. Ubaghs, 1953, p. 750. Moore, 1962b, p. 15, Fig. 10, no. 2.

Webster, 1973, p. 79. Lane and Moore *in* Moore and Teichert, 1978, p. T585.

Webster, 1986, p. 93. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 37.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States, Indiana

\**Cestocrinus signatus* (Miller and Gurley, 1894). Kammer and Ausich, 1996, p. 851, figs. 6.17-6.19.

*Cyathocrinus signatus* Miller and Gurley, 1893, p. 32, Pl. 6, fig. 10. Miller, S. A.,

1897, p. 741. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 395.

Kammer and Ausich, 1996, p. 851.

*Cyathocrinites signatus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p.

395. Kammer and Ausich, 1996, p. 851.

*Cestocrinus striatus* Kirk, 1940a, p. 223, Pl. 31. Bassler and Moodey, 1943, p. 361.  
Lane and Moore *in* Moore and Teichert, 1978, p. T585, Figs. 372, no. 4; 375, no.  
5. Webster, 1986, p. 93. Kammer and Ausich, 1996, p. 851.  
Mississippian, Viséan (Osagean), Harrodsburg Limestone, Edwardsville Formation.  
United States, Indiana

*Cestocrinus striatus* Kirk, 1940 = *Cestocrinus signatus*

?*Cestocrinus* sp. Hou, *et al.*, 1994 = Genus and species indeterminate Lane, Waters,  
and Maples, 1997

**CHAKOMICRINUS** Stukalina, 2000. \**Chakomicrinus quinquepartitus* Stukalina, 2000,  
OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinda, Spf.  
Dendrocrinoidea, incertae family

Stukalina, 2000, p. 26.

Named, currently recognized species based on cups or crowns: 2 Early Silurian  
species, series undesignated

Early Silurian. Russia, Siberian Platform

\**Chakomicrinus quinquepartitus* Stukalina, 2000, p. 26, Pls. 1, fig. 3; 4, fig. 1; 5, fig. 1;  
6, figs. 2-3; 16, fig. 1; 17, fig. 1; 18, fig. 7; 21, fig. 1; Fig. 5, no. 1.

Early Silurian, series not given, Khakomsky Horizon, late early Khakomskoi Suite.  
Russia, Siberian Platform

*Chakomicrinus? tesakovi* Stukalina, 2000, p. 29, Pl. 6, fig. 1; Fig. 5, no. 2.

Early Silurian, series not given, base Tukalskogo Horizon. Russia, Siberian Platform

**CHANGNINOCRINUS** Chen, Yao, and Yü, 1985 = **CANTHAROCRINUS**

*Changninocrinus sphaeroides* Chen, Yao, and Yü, 1985 = *Cantharocrinus sphaeroides*

**CHAOSOCRINUS** Donovan, 1993. \**C. ornatus* Donovan, 1993, OD.

Sbc. Camerata, O. Diplobatharida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Donovan, 1993a, p. 13. *Donovan et al.*, 2012, p. 142, Fig. 64.

Named, currently recognized species based on cups or crowns: 1 Silurian  
Llandoveryan series

Silurian, Llandoveryan, Rhuddanian or possibly early Aeronian Haverford Mudstone  
Formation or possibly Gasworks Sandstone Formation. United Kingdom,  
Wales

\**Chaosocrinus ornatus* Donovan, 1993a, p. 14, Figs. 5, nos. D-F; 7, no. B; 10.  
Donovan,

1994, p. 75, Fig. 7, no. B. Donovan, 1996a, p. 197, Fig. 2, no. g. Donovan *et al.*,  
2008a, p. 32, Fig. 1, nos. A-D.

*Dimerocrinites* sp. Donovan and Clark, 1992, Fig. 1. Donovan, 1993a, p. 14.

Silurian, early Llandoveryan, Rhuddanian, Haverford Mudstone Formation. United

Kingdom, Wales

**CHARACTOCRINUS** Brett, 1981. \**C. pustulosus* Brett, 1981.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Brett, 1981a, p. 154. Ausich, 1984a, p. 1183. Webster, 1988, p. 52. Harvey and Ausich, 1997, p. 303. Ausich, 1998b, p. 27. Ausich and Copper, 2010, p. 67.

Named, currently recognized species based on cups or crowns: 2 species. 1

Ordovician, Hirnantian; 1 Silurian, Wenlockian species

Ordovician, Hirnantian. Canada, Quebec

Silurian, Wenlockian. North America, New York, Ontario

*Charactocrinus billingsi* Ausich and Copper, 2010, p. 67, Pl. 13, fig. 2; Figs. 11.8-11.9.

Ordovician, Hirnantian, Ellis Bay Formation, Laframboise Member. Canada, Quebec,

Anticosti Island

\**Charactocrinus pustulosus* Brett, 1981a, p. 157, Pl. 2, figs. 1-10; Fig. 2. Webster, 1988, p. 52.

Silurian, Wenlockian, Rochester Shale. United States, New York; Canada, Ontario

**CHARIENTOCRINUS** Goldring, 1923. \**C. ithacensis* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf.

Rhenocrinoidea, F. Glossocrinidae

Goldring, 1923, p. 402. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 361.

Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 79. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 93. McIntosh,

2001, p. 804. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 2 Devonian species,

1 Givetian, 1 Frasnian

Devonian, Givetian – Frasnian. United States, New York

*Charientocrinus bellitubatus* (Kesling, 1973). McIntosh, 2001, p. 804, Figs. 12, 13.1-13.14

*Glossocrinus bellitubatus* Kesling, 1973, p. 45, Pls. 7, figs. 3-9; 8, figs. 1-14; Fig. 2.

Webster, 1977, p. 90. McIntosh, 2001, p. 804.

Devonian, Givetian, Traverse Group, Bell Shale, *Polygnathus hemiansatus*

Biozone. United States, Michigan

*Charientocrinus? cooperi* Goldring, 1926 = *Decorocrinus cooperi*

\**Charientocrinus ithacensis* Goldring, 1923, p. 402, Pl. 53, figs. 1-4. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 361. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637, Fig. 415, no. 1. Webster, 1986, p. 93. McIntosh, 2001, p. 804, Fig. 13.15.

Devonian, Frasnian, Genesee Group, Ithaca Formation, Lower *Polygnathus asymmetricus* Biozone. United States, New York

*CHEIROCRINUS* Salter, 1859 = **CALCEOCRINUS**

*CHEIROCRINUS* Salter, 1873 = **SYNCHIROCRINUS**

*CHEIROCRINUS* Hall, 1860 = *EUCHEIROCRINUS* = **CALCEOCRINUS**

*Cheirocrinus abdominalis* Salter, 1878, p. 118. Bassler and Moodey, 1943, p. 361  
(*nomen nudum*).  
Silurian, Wenlock Limestone. United Kingdom

*Cheirocrinus chrysalis* Hall, 1860 = *Proclivocrinus chrysalis* = *Euchoirocrinus chrysalis* =  
\**Calceocrinus chrysalis*

*Cheirocrinus (Calceocrinus?) chrysalis* Hall, 1860 = \**Calceocrinus chrysalis*

*Cheirocrinus clarus* Hall, 1862 = *Halysiocrinus clarus* = *Deltacrinus clarus*

*Cheirocrinus (Calceocrinus) clarus* Hall, 1862 = *Halysiocrinus clarus* = *Deltacrinus clarus*

*Cheirocrinus dactylus* Hall, 1860 = *Deltacrinus dactylus* = *Halysiocrinus dactylus*

*Cheirocrinus (Calceocrinus?) dactylus* (Hall, 1860) = \**Halysiocrinus dactylus*

*Cheirocrinus fletcheri* Salter, 1873 = *Chirocrinus fletcheri*

*Cheirocrinus gotlandicus* Angelin, 1878 = *Chirocrinus gotlandicus*

*Cheirocrinus gradatus* Salter, 1873 = *Calceocrinus gradatus* = *Synchirocrinus gradatus*

*Cheirocrinus lamellosus* Hall, 1860 = *Calceocrinus lamellosus* = *Halysiocrinus?*  
*lamellosus*

*Cheirocrinus (Calceocrinus?) lammellosus* (Hall, 1860) = *Halysiocrinus? lamellosus*

*Cheirocrinus nodosus* Hall, 1860 = *Calceocrinus nodosus* = *Deltacrinus nodosus* =  
*Halysiocrinus nodosus* = *H. tunicatus*

*Cheirocrinus (Calceocrinus?) nodosus* Hall, 1860 = *Halysiocrinus tunicatus*

*Cheirocrinus perplexus* Shumard, 1868 = *Halysiocrinus tunicatus*

*Cheirocrinus (Calceocrinus) perplexus* (Shumard, 1866) = *Halysiocrinus tunicatus*

*Cheirocrinus robustus* Worthen, 1890 = *Halysiocrinus tunicatus*

*Cheirocrinus serialis* Austin in Salter, 1859 = *Calceocrinus serialis* = *Synchirocrinus serialis*

*Cheirocrinus serialis* Salter, 1873 (*non* Austin in Salter), 1859 = *Synchirocrinus serialis*

*Cheirocrinus stigmatus* Hall, 1863 = *Calceocrinus stigmatus*

*Cheirocrinus (Calceocrinus) stigmatus* Hall, 1863 = *Calceocrinus stigmatus*

*Cheirocrinus tunicatus* Hall, 1860 = *Calceocrinus tunicatus* = *Halysiocrinus tunicatus*

*Cheirocrinus (Calceocrinus?) tunicatus* Hall, 1860 = *Halysiocrinus tunicatus*

*Cheirocrinus ventricosus* Hall, 1860 = *Halysiocrinus dactylus*

*Cheirocrinus (Calceocrinus?) ventricosus* (Hall, 1860) = *\*Halysiocrinus dactylus*

*Cheirocrinus?* sp. Butts, C., 1941, p. 54, Pl. 76, figs. 24-27. Webster, 1973, p. 79.  
Ordovician, Sandbian (Champlainian), Lenoir Limestone. United States, Virginia

**CHENOCRINUS** Ausich and Copper, 2010. *\*Chenocrinus canadaensis* Ausich and Copper, 2010.

Sbc. Camerata, O. Monobathrida, Spf. Stipatocrinoidea, F. Stipatocrinidae  
Ausich and Copper, 2010, p. 36.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species  
Silurian, Llandoveryan. Canada, Quebec

*\*Chenocrinus canadaensis* Ausich and Copper, 2010, p. 36, Pl. 7, figs. 8-10; Figs. 7.4-7.5.

Silurian, Llandoveryan, Jupiter Formation, Ferrum Member. Canada, Quebec,  
Anticosti Island

**CHICAGOGRINUS** Weller, 1900. *\*C. ornatus* Weller, 1900.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F.  
Eucalyptocrinitidae

Weller, S., 1900, p. 126. Springer in Zittel, 1913, p. 193. Bassler, 1915, p. 215.

Bassler, 1938, p. 65. Bassler and Moodey, 1943, p. 362. Moore and Laudon,  
1943b, p. 99. Webster, 1973, p. 79. Ubaghs in Moore and Teichert, 1978, p.

T497. Witzke and Strimple, 1981, p. 126, Fig. 16, no. J. Webster, 1988, p. 52.

Named, currently recognized species based on cups or crowns: 2 Silurian, Niagaran  
species

Silurian, Niagaran. United States, Illinois

*Chicagocrinus inornatus* Weller, S., 1900, p. 128, Pl. 7, figs. 10-12. Bassler, 1915, p.  
215. Wilson, H. E., 1916, p. 508, Pl. 2, fig. 2. Bassler and Moodey, 1943, p.  
362. Witzke and Strimple, 1981, p. 132, Fig. 20, no. C. Webster, 1988, p. 52.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Chicagocrinus ornatus* Weller, S., 1900, p. 127, Pl. 7, fig. 9. Bassler, 1915, p. 215.  
Bassler, 1938, p. 65. Bassler and Moodey, 1943, p. 362. Moore and Teichert,  
1978, p. T497.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*CHILIDONOCRINUS* Lane and Sevastopulo, 1990 = ***CHLIDONOCRINUS***

***CHINACRINUS*** Lane, Waters, and Maples, 1997. \**Chinacrinus xinjiangensis* Lane,  
Waters, and Maples, 1997.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
Platycrinitidae

Lane, Waters, and Maples, 1997, p. 18. Ausich and Kammer, 2009, p. 706.

Named, currently recognized species based on cups or crowns: 2 Devonian,  
Famennian species

Devonian, Famennian. China, Xinjiang-Uygur Autonomous Region

*Chinacrinus nodosus* Lane, Waters, and Maples, 1997, p. 19, Fig. 6.9.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region

?*Chinacrinus nodosus* Lane, Waters, and Maples, 1997. Webster and

Waters, 2009, p.273, Fig. 6, no. 9. = *Chinacrinus nodosus*

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region

\**Chinacrinus xinjiangensis* Lane, Waters, and Maples, 1997, p. 18, Figs. 5.10-5.16,  
6.1-6.8, 6.10, 6.12. Waters et al., 2003, p. 938, Figs. 12, nos. 10-12. Ausich and  
Kammer, 2009, p. 706.

?Hapalocrinid Hou *et al.*, 1994, p. 4, Pl. 2, figs. 1-2. Lane, Waters, and Maples,  
1997, p. 19.

Platycrinoid Lane *et al.*, 1995, p. 94, Pl. 2, figs. 1-2. Lane, Waters, and Maples,  
1997, p. 19.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region

*Chinacrinus* species A Lane, Waters, and Maples, 1997, p. 19, Fig. 4.4 (basal circlet).

Devonian, Famennian, Hongguleleng Formation, lower member. China, Xinjiang-  
Uygur Autonomous Region

*Chinacrinus* species B Lane, Waters, and Maples, 1997, p. 19, Figs. 4.5.

Devonian, Famennian, Hongguleleng Formation, lower member. China, Xinjiang-  
Uygur Autonomous Region

***CHIROCRINUS*** Angelin, 1878. \**C. gotlandicus* Angelin, 1878.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Bassler, 1938, p. 65. Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 24, Fig. 5, nos. a-b. Webster, 1973, p. 79. Kesling and Sigler, 1969, p. 347, Figs. 5-10. Webster, 1977, p. 54. Moore and Lane *in* Moore and Teichert, 1978, p. T525, Figs. 325, 328. Ausich, 1984a, p. 1172. Webster, 1986, p. 93. Webster, 1988, p. 52. Harvey and Ausich, 1997, p. 304, Figs. 3.6, 3.8. Ausich, 1998b, p. 27. Donovan et al., 2009, p. 37. Ausich and Copper, 2010, p. 67.

Named, currently recognized species based on cups or crowns: 5 species. 1 Ordovician, Katian; 4 Silurian, 1 Llandoveryan, 3 Wenlockian Ordovician, Katian. Canada, Quebec  
Silurian, Wenlockian. United Kingdom, Sweden

*Chirocrinus baingowardi* Donovan et al., 2010, p. 47, Pl. 7, figs. 1, 3, 4.

*Chirocrinus?* Sp. Donovan et al., 2009, p. 38, Pl. 4, fig. 5.

Silurian, early Llandoveryan, Mulloch Hill Sandstone Formation. United Kingdom, Scotland, Ayrshire

*Chirocrinus broweri* Donovan et al., 2009, p. 38, Pl. 6, fig. 11.

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom

*Chirocrinus fletcheri* (Salter, 1873). Moore, 1962a, p. 26, Pl. 3, fig. 7; Fig. 5, no. c (*non* Fig. 5, no. 3c as given in text). Webster, 1973, p. 80. Donovan et al., 2007, p. 52. Donovan and Lewis, 2008b, p. 13, Fig. 4, no. B. Donovan et al., 2009, p. 37, Pl. 5, fig. 14; Fig. 11, no. F.

*Chirocrinus fletcheri* Salter, 1873, p. 119, Unnum. Fig. Bassler and Moodey, 1943, p. 345.

*Calceocrinus fletcheri* (Salter, 1873). Bather, 1893a, p. 66. Bassler and Moodey, 1943, p. 345. Ramsbottom, 1952, p. 36, Pl. 4, fig. 1; Fig. 2, no. F. Webster, 1973, p. 80.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

\**Chirocrinus gotlandicus* (Angelin, 1878). Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 26, Fig. 9. Webster, 1973, p. 80. Moore and Lane *in* Moore and Teichert, 1978, p. T527, Figs. 327, no. 4; 328. Webster, 1986, p. 94.

*Chirocrinus gotlandicus* Angelin, 1878, p. 22, Pl. 16, figs. 6-14. Zittel, 1880, p. 358, Fig. 245, nos. b-d.

*Calceocrinus gotlandicus* (Angelin, 1878). Bather, 1893a, p. 66, Pl. 3, figs. 83-97. Springer, 1926a, p. 94, Fig. 2, no. b. Bassler and Moodey, 1943, p. 346.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Chirocrinus? twenhofeli* Ausich and Copper, 2010, p. 68, Pl. 12, figs. 13-14. Figs. 11.11-

11.12.

Ordovician, Katian, Vauréal Formation, Homard Member. Canada, Quebec, Anticosti Island

*Chirocrinus incertus* (Foerste, 1936) = *Calceocrinus incertus*

*Chirocrinus?* sp. Donovan et al., 2009 = *Chirocrinus baingowardi*

**CHIROPINNA** Moore, 1962. \**Calceocrinus pinnulatus* Bather, 1893.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Moore, 1962a, p. 28. Kesling and Sigler, 1969, p. 347, Figs. 6-10. Webster, 1973, p. 80. Webster, 1977, p. 54. Moore and Lane *in* Moore and Teichert, 1978, p. T529. Ausich, 1984a, p. 1183. Webster, 1986, p. 94. Webster, 1988, p. 52. Harvey and Ausich, 1997, p. 302. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species  
Silurian, Wenlockian. Sweden

\**Chiropinna pinnulatus* (Bather, 1893). Moore, 1962a, p. 28, Pl. 2, fig. 2; Figs. 5, no. 2; 18 (*non* Fig. 5, no. 5 as given in text). Webster, 1973, p. 80. Moore and Lane *in* Moore and Teichert, 1978, p. T530, Fig. 327, no. 3. Webster, 1986, p. 94.  
*Calceocrinus pinnulatus* Bather, 1893a, p. 96, Pl. 4, figs. 129-140. Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 28. Webster, 1973, p. 80.  
Silurian, Wenlockian. Sweden, Isle of Gotland

**CHLIDONOCRINUS** Strimple and Watkins, 1969. \**C. echinatus* Strimple and Watkins, 1969.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinidae, F. Ampelocrinidae

Strimple and Watkins, 1969, p. 188. Strimple and Moore, 1971a, p. 29. Strimple and Moore, 1971b, p. 1. Webster, 1977, p. 54. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674. Webster, 1986, p. 94. Webster, 1993, p. 37.

**CHLIDONOCRINUS** Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 37 (sic).

Named, currently recognized species based on cups or crowns: 5 species. 1 Mississippian, Serpukhovian; 4 Pennsylvanian, 1 Atokan, 3 Missourian  
Late Mississippian, Serpukhovian (Chesterian), Late Pennsylvanian, Atokan – Missourian. United States

\**Chlidonocrinus echinatus* Strimple and Watkins, 1969, p. 189, Pls. 42, figs. 1, 4; 51, fig. 4. Webster, 1977, p. 54. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 444, no. 3a. Webster, 1986, p. 94.  
Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

*Chlidonocrinus erectus* Strimple and Moore, 1971a, p. 29, Pl. 6, figs. 1a-c. Webster, 1977, p. 54.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone. United States, Illinois

*Chlidonocrinus ornatus* Strimple and Moore, 1971b, p. 2, Figs. 1, no. 3; 2, no. 4; 3, no. 1; 4, no. 1. Webster, 1977, p. 54. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T674, Fig. 444, no. 3b. Webster, 1986, p. 94.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma



*Chlidonocrinus planatus* Strimple and Moore, 1971b, p. 2 (*nomen nudum*). Webster, 1977, p. 54.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Chlidonocrinus trinodi* Strimple and Watkins, 1969, p. 190, Pl. 43, figs. 3-5. Webster, 1977, p. 54.

Mississippian, Serpukhovian (Chesterian), Fayetteville Shale. United States, Oklahoma

*Chlidonocrinus* sp. Strimple and Moore, 1971b, p. 11, Fig. 7, no. 4. Webster, 1977, p. 54.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

**CHOLOCRINUS** Springer, 1906. \**Forbesiocrinus obesus* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Nipterocrinidae

Springer, 1906, p. 517. Springer *in* Zittel, 1913, p. 203. Springer, 1920a, p. 170.

Bassler, 1938, p. 65. Moore and Laudon, 1943b, p. 74. Ubaghs, 1953, p. 756.

Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 80. Ubaghs *in* Moore and

Teichert, 1978, p. T136, Fig. 108, no. 1. Moore *in* Moore and Teichert, 1978, P.

T779, Figs. 506, no. 3a; 507, no. 2a. Webster, 1986, p. 94. Webster, 1988, p.

52.

Named, currently recognized species based on cups or crowns: 1 Silurian,

Wenlockian species

Silurian, Wenlockian. Sweden

\**Cholocrinus obesus* (Angelin, 1878). Springer, 1906, p. 517. Springer, 1920a, p. 173, Pl. 9, figs. 1-4. Bassler and Moodey, 1943, p. 362. Moore *in* Moore and Teichert,

1978, p. T79, Figs. 519, no. 3; 520, no. 4. Brett, 1981b, p. 358, Fig. 6, no. B.

Webster, 1986, p. 94. Webster, 1988, p. 52.

*Forbesiocrinus obesus* Angelin, 1878, p. 9, Pl. 21, fig. 18. Bassler and Moodey, 1943, p. 362.

*Forbesiocrinus divaricatus* Angelin, 1878 (part), p. 9, Pl. 26, figs. 6-6a. Bassler and Moodey, 1943, p. 362.

Silurian, Wenlockian. Sweden, Isle of Gotland

**CHYTROCRINUS** Jaekel, 1918 = **STELIDIOCRINUS**

*Chytrocrinus laevis* (Angelin, 1878) = *Stelidiocrinus laevis*

**CIBOLOCRINUS** Weller, 1909. \**C. typus* Weller, 1909.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae

Weller, S., 1909b, p. 630. Springer *in* Zittel, 1913, p. 225. Wanner, 1916, p. 206.

Wanner, 1924, p. 180. Bassler, 1938, p. 65. Moore and Plummer, 1938, p. 225.

Strimple, 1939a, p. 366. Moore, 1939c, p. 189. Moore and Plummer, 1940, p.

81. Bassler and Moodey, 1943, p. 362. Moore and Laudon, 1943b, p. 76, Fig.

11. Moore and Laudon, 1944, p. 181, Pl. 66, Fig. 8. Branson, C. C., 1948, p. 187.

Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Strimple, 1969b, p. 2. Moore and Strimple, 1973, p. 32. Webster, 1973, p. 80.

Webster, 1977, p. 55. Moore *in* Moore and Teichert, 1978, p. T782, Figs. 506, no.

2c; 507, no. 1f; 509, no. 2d. Pabian and Strimple, 1978, p. 434. Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 94. Ausich, 1988, p. 913, Fig. 3, no. 5. Webster, 1988, p. 53. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 2. Pabian and Strimple, 1993, p. 42. Webster, 1993, p. 37. Mirantsev and Grishin, 2011, p. 36.

Named, currently recognized species based on cups or crowns: 20 species. 1

Mississippian, Serpukhovian; 10 Pennsylvanian, 6 Morrowan, 2 Missourian, 1 Missourian – Virgilian, 1 Virgilian; 8 Permian, 1 Artinskian, 3 Wolfcampian, 1 Wordian, 3 series uncertain (**Note:** I seriously question this stratigraphic distribution because, some assigned species based on cups lacking the arms may belong to other cladid genera. GDW 2011)

Pennsylvanian, Morrowan, Missourian - Permian, middle Wolfcampian. United States

Mississippian, Serpukhovian. Algeria

Permian, Artinskian. Russia, Urals Mountains

Permian, Artinskian. Bolivia

Permian, Wordian. Sicily

Permian, series uncertain. West Timor

*Cibolocrinus abyssus* Strimple, 1951 = *Pabianocrinus abyssus* = *Cibolocrinus* (*Pabianocrinus*) *abyssus*

*Cibolocrinus africanus* Strimple and Pareyn, 1982, p. 231, Fig. 2. Webster, 1988, p. 53. Webster *et al.*, 2004, p. 59.

Mississippian, Serpukhovian, E1, top of Djenien Formation. Algeria

*Cibolocrinus banioni* Moore, 1939c, p. 191, Pls. 5, figs. 3-8; 7, fig. 7; Figs. 2-3.

Bassler and Moodey, 1943, p. 362. Moore and Laudon, 1944, p. 183, Pls. 56, fig. 29; 62, fig. 16. Webster, 1973, p. 80. Moore *in* Moore and Teichert, 1978, p. T782, Fig. 522, nos. 1h-1l. Strimple and Pareyn, 1982, p. 229. Webster, 1986, p. 95. Webster, 1988, p. 53.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

*Cibolocrinus bellus* Moore and Strimple, 1973, p. 33, Pls. 1, figs. 3a-4d; 2, fig. 4.

Webster, 1977, p. 55. Strimple and Pareyn, 1982, p. 229. Webster, 1988, p. 53. Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

*Cibolocrinus circulus* Moore and Strimple, 1973, p. 33, Pl. 2, figs. 1a-d. Webster, 1977, p. 55. Strimple and Pareyn, 1982, p. 229.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Member. United States, Oklahoma

- Cibolocrinus conicus* Strimple, 1951c, p. 10, Pl. 2, figs. 1-3. Webster, 1973, p. 80.  
 Pabian and Strimple, 1978a, p. 55, Figs. 1, nos. K-O; 2, no. S; 5, nos. K-N.  
 Pabian and Strimple, 1979, p. 435, Figs. 1-4. Strimple and Pareyn, 1982, p. 229,  
 Fig. 1, nos. D, J-K. Webster, 1986, p. 95. Pabian and Strimple, 1993, p. 46, Fig.  
 17, nos. g-i.  
 Pennsylvanian, late Missourian - early Virgilian, Wann Formation; South Bend  
 Limestone. United States, Nebraska, Kansas, Oklahoma
- Cibolocrinus detectus* Strimple, 1951 = *Cibolocrinus robustus*
- Cibolocrinus detrusus* Strimple, 1951 = *Pabianocrinus detrusus* = *Cibolocrinus*  
 (*Pabianocrinus*) *detrussus*
- Cibolocrinus erectus* Strimple, 1951a, p. 203, Pl. 36, figs. 5-7. Webster, 1973, p. 80.  
 Strimple and Pareyn, 1982, p. 229. Webster, 1988, p. 53.  
 Pennsylvanian, late Missourian, Graford Formation, Wolf Mountain Shale, Lake  
 Bridgeport Shale. United States, Texas
- Cibolocrinus jonkeri* Wanner, 1924, p. 260, Pl. 18, figs. 3-5. Bassler and Moodey,  
 1943, p. 691. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 229.  
 Webster, 1988, p. 53.  
*Stuartwellerocrinus jonkeri* (Wanner, 1934). Moore and Plummer, 1938, p. 305.  
 Bassler and Moodey, 1943, p. 691. Branson, 1948, p. 213.  
 Permian, series uncertain. West Timor, Basleo
- Cibolocrinus minimus* Wanner, 1916 = *Stuartwellerocrinus minimus*
- Cibolocrinus nodosus* Yakovlev, 1934, p. 278, Pl. 19, fig. 16. Bassler and Moodey,  
 1943, p. 362. Branson, C. C., 1948, p. 187. Strimple and Pareyn, 1982, p. 229.  
 Webster, 1988, p. 53.  
 Permian, Wordian. Sicily
- Cibolocrinus patriciae* Burke, 1975, p. 3, Figs. 1-5. Pabian and Strimple, 1978a, p. 56,  
 Fig. 50. Burke and Pabian, 1978, p. 1065, Pl. 1, figs. 1-10. Strimple and  
 Pareyn, 1982, p. 229, Fig. 1, nos. H-I. Webster, 1986, p. 95. Webster, 1988, p.  
 53.  
 Permian, Wolfcampian, Copacabana Group. Bolivia
- Cibolocrinus propinquus* Wanner, 1916 = *Stuartwellerocrinus propinquus*
- Cibolocrinus punctatus* Moore and Plummer, 1940, p. 86, Pl. 1, figs. 2-4; Figs. 7-8.  
 Bassler and Moodey, 1943, p. 363. Moore and Laudon, 1943b, p. 137, Pl. 8, fig.  
 6. Moore and Laudon, 1944, p. 183, Pl. 56, fig. 13. Plummer, 1950, p. 53, Pl. 11,  
 figs. 9-10. Webster, 1973, p. 80. Strimple and Watkins, 1969, p. 232. Webster,  
 1977, p. 55. Moore in Moore and Teichert, 1978, p. T762, Figs. 521, no. 5; 522,  
 nos. 1d-1g. Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 95. Webster,  
 1988, p. 54.

Pennsylvanian, Morrowan, Sloan Limestone, Marble Falls Limestone. United States, Texas

*Cibolocrinus pusillus* Wanner, 1937 = *Stuartwellerocrinus pusillus*

*Cibolocrinus regalis* Moore and Plummer, 1940, p. 89, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.

Permian, Wolfcampian, Cibolo Limestone. United States, Texas

*Cibolocrinus regularis* Moore and Plummer, 1938, p. 235, Pl. 16, figs. 2a-2d; Fig. 5. Bassler and Moodey, 1943, p. 363. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Member. United States, Oklahoma

*Cibolocrinus robustus* Strimple, 1939a, p. 367, Pl. 1, figs. 3-4. Bassler and Moodey, 1943, p. 363. Strimple, 1951c, p. 7, Pl. 2, figs. 6-8. Webster, 1973, p. 80. Strimple and Pareyn, 1982, p. 230, Fig. 1, nos. F-G. Webster, 1988, p. 54.

*Cibolocrinus detectus* Strimple, 1951c, p. 12, Pl. 1, figs. 7-8. Webster, 1973, p. 80. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.

Pennsylvanian, late Missourian, Wann Formation; Ochelata Group, Stanton Limestone; unnamed formation. United States, Oklahoma

*Cibolocrinus seminolensis* Strimple, 1969 = ***Pabianocrinus seminolensis*** = ***Cibolocrinus (Pabianocrinus) seminolensis***

*Cibolocrinus spinosus* Wanner, 1937, p. 194, Pls. 12, figs. 32-34; 13, figs. 1-3.

Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.

Permian, series uncertain. West Timor

*Cibolocrinus spinosus* Moore and Strimple, 1973, (*non* Wanner, 1937) = *Cibolocrinus spinula*

*Cibolocrinus spinula* Pabian and Strimple, 1979, p. 434. Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 95. Webster, 1988, p. 54.

*Cibolocrinus spinosus* Moore and Strimple, 1973, p. 33, Pl. 1, figs. 2a-c. Webster, 1977, p. 55. Pabian and Strimple, 1979, p. 434. Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 95. Webster, 1988, p. 54.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Member. United States, Oklahoma

*Cibolocrinus symmetricus* Weller, 1909 = *Stuartwellerocrinus symmetricus*

*Cibolocrinus texanus* Weller, 1909 = *Stuartwellerocrinus texanus*

*Cibolocrinus timidus* Szabo, 1953 = *Metacromyocrinus szaboi*

*Cibolocrinus timorensis* Wanner, 1937, p. 191, Pl. 12, figs. 14-27. Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.  
Permian, series uncertain. West Timor

*Cibolocrinus transitorius* Wanner, 1916 = *\*Paraplasocrinus transitorius*

*Cibolocrinus treuteri* Yakovlev, 1927b, p. 183, Pl. 6, figs. 12-12b, 14-15a. Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 54.  
Permian, Artinskian. Russia, Ural Mountains

*Cibolocrinus tumidus* Moore and Plummer, 1938, p. 232, Pl. 12, figs. 4a-4e; Fig. 4. Bassler and Moodey, 1943, p. 363. Moore and Laudon, 1944, p. 183, Pl. 56, fig. 15. Webster, 1973, p. 81. Moore and Strimple, 1973, p. 33, Pl. 1, figs. 1a-d. Webster, 1977, p. 55. Strimple and Pareyn, 1982, p. 230, Fig. 1, no. E. Webster, 1988, p. 54.  
Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Member. United States, Oklahoma, Arkansas

*Cibolocrinus tumidus* Moore and Plummer, Szabo, 1953 = *Metacromyocrinus szaboi*

*Cibolocrinus turbinatus* Weller, 1909 = *\*Stuartwellerocrinus turbinatus*

*\*Cibolocrinus typus* Weller, S., 1909b, p. 631, Pl. 1, figs. 20-22. Bassler, 1938, p. 65. Moore and Plummer, 1940, p. 85, Pl. 1, fig. 1. Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Simpson, 1976, p. 83, Fig. 1. Moore *in* Moore and Teichert, 1978, p. T782, Fig. 522, nos. 1a-1c. Webster, 1986, p. 95.  
Permian, Wolfcampian, Cibolo Limestone; Alacran Mountain Limestone. United States, Texas

*Cibolocrinus* cf. *\*C. typus* Weller, 1909. Moore and Laudon, 1944, p. 181, Pl. 56, fig. 16. Branisa, 1965, Pl. 55, figs. 12-13. Lane and Webster, 1966, p. 22, Pl. 1, figs. 5-6, 8-9. Webster, 1973, p. 81. Webster, 1977, p. 55.  
Permian, Wolfcampian, Cibolo Formation; Bird Spring Formation; Copacabana Group. United States, Texas, Nevada; Bolivia

*Cibolocrinus* spp.

Strimple, 1951c, p. 8, Pl. 2, figs. 4-5. Webster, 1973, p. 81.

Pennsylvanian, Missourian, Birch Creek Limestone. United States, Oklahoma  
Branisa, 1965, Pl. 55, figs. 14-15. Webster, 1977, p. 55.

Early Permian, Copacabana Group. Bolivia

Priest, 1974, p. 74, Fig. 13. Webster, 1977, p. 55.

Pennsylvanian. United States, Nebraska

Holterhoff, 1996, p. 184, Fig. 3, no. G. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

**CIBOLOCRINUS (PABINOCRINUS)** Strimple and Pareyn, 1982. \**Cibolocrinus seminolensis* Strimple, 1969.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae

Mirantsev and Grishin, 2011, p. 37.

**PABIANOCRINUS** Strimple and Pareyn, 1982. Strimple and Pareyn, 1982, p. 231. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Desmoinesian, 2 Missourian

Pennsylvanian, Desmoinesian – Missourian; united States

Pennsylvanian, Gshelian: Russia

*Cibolocrinus (Pabinocrinus) abyssus* Strimple, 1951. Mirantsev and Grishin, 2011, p. 37.

*Pabianocrinus abyssus* (Strimple, 1951). Strimple and Pareyn, 1982, p. 232, Fig. 1, no. B. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

*Cibolocrinus abyssus* Strimple, 1951c, p. 11, Pl. 1, figs. 5-6. Webster, 1973, p. 80.

Strimple and Pareyn, 1982, p. 229. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

Pennsylvanian, late Missourian, Wann Formation. United States, Oklahoma

*Cibolocrinus (Pabinocrinus) detrusus* Strimple, 1951. Mirantsev and Grishin, 2011, p. 37.

*Pabianocrinus detrusus* Strimple, 1951. Strimple and Pareyn, 1982, p. 232, Fig. 1, no. A. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

*Cibolocrinus detrusus* Strimple, 1951c, p. 12, Pl. 1, figs. 1-4. Strimple, 1962e, p. 49. Webster, 1973, p. 80. Strimple and Pareyn, 1982, p. 229. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

Pennsylvanian, late Desmoinesian, Altamont Limestone, Oologah Formation. United States, Oklahoma

*Cibolocrinus (\*Pabinocrinus) seminolensis* Strimple, 1969. Mirantsev and Grishin, 2011, p. 37.

\**Pabianocrinus seminolensis* (Strimple, 1969). Strimple and Pareyn, 1982, p. 232, Fig. 1, no. c. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

*Cibolocrinus seminolensis* Strimple, 1969b, p. 3, Fig. 1, nos. 1-12. Moore, 1969, p. 7, Fig. 2, nos. 1-10. Webster, 1977, p. 55. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 119. Mirantsev and Grishin, 2011, p. 37.

Pennsylvanian, early Missourian, Seminole Formation. United States, Oklahoma

*Cibolocrinus (Pabinocrinus) sp.*, Mirantsev and Grishin, 2011, p. 37. P. 37, Fig. 1. Pennsylvanian, Gshelian: Russia, Moscow Basin

**CICEROCRINUS** Sollas, 1900. \**C. elegans* Sollas, 1900.

Sbc. Disparida, Spf. Pisocrinitoidea, F. Pisocrinidae

Sollas, 1900, p. 267. Jaekel, 1902, p. 1101, Fig. 28, no. I. Bassler, 1938, p. 66.  
 Bassler and Moodey, 1943, p. 363. Moore and Laudon, 1943b, p. 30. Ubaghs,  
 1953, p. 746. Moore, 1962b, p. 14, Fig. 6. Webster, 1973, p. 81. Moore and  
 Lane *in* Moore and Teichert, 1978, p. T536. Rozhnov, 1981, p. 111. Webster,  
 1986, p. 95. Webster, 1988, p. 55. Donovan et al., 2009, p. 29.

*LAGAROCRINUS* Jaekel, 1900b, p. 480. \**L. osiliensis* Jaekel, 1900. Bassler, 1938,  
 p. 120. Bassler and Moodey, 1943, p. 363.

Named, currently recognized species based on cups or crowns: 4 Silurian, Ludlovian  
 species

Silurian, Ludlovian. Estonia; United Kingdom; Sweden

*Cicerocrinus anglicus* (Jaekel, 1900). Bassler and Moodey, 1943, p. 363. Ramsbottom,  
 1958, p. 112. Webster, 1973, p. 81. Donovan et al., 2009, p. 30, unfig.

*Lagarocrinus anglicus* Jaekel, 1900b, p. 486. Bassler and Moodey, 1943, p. 363.  
 Silurian, Ludlovian, lower part of Ludlow Beds. United Kingdom

\**Cicerocrinus elegans* Sollas, 1900, p. 167, Pl. 16; Fig. 3. Bassler, 1938, p. 66.

Bassler and Moodey, 1943, p. 364. Ramsbottom, 1958, p. 111, Pl. 21, figs. 2-5.  
 Webster, 1973, p. 81. Moore and Lane *in* Moore and Teichert, 1978, p. T536,  
 Fig. 332, no. 3. Webster, 1986, p. 95. Donovan et al., 2007, p. 51, Fig. 3, no. J.  
 Donovan et al., 2008b, p. 337, Fig. 15.2, no. 4. Donovan and Lewis, 2008b, p.  
 14, Fig. 5, nos. A, D, F. Donovan et al., 2009, p. 29, pls. 4, figs. 6-8; 5, fig. 15;  
 Fig. 10.

*Lagarocrinus tenuis* Jaekel, 1900b, p. 487. Bassler and Moodey, 1943, p. 364.  
 Ramsbottom, 1958, p. 111, Pl. 21, fig. 3.

*Lagarocrinus tenuis* (Jaekel, 1900). Webster, 1973, p. 81.  
 Silurian, Ludlovian, Ludlow Beds. United Kingdom

*Cicerocrinus osiliensis* (Jaekel, 1900). Bassler and Moodey, 1943, p. 364. Rozhnov,  
 1981, p. 111, Pl. 24, fig. 6; Fig. 21, no. z. Webster, 1988, p. 55.

*Lagarocrinus osiliensis* Jaekel, 1900b, p. 486, Figs. 1-2. Bassler, 1938, p. 120.  
 Bassler and Moodey, 1943, p. 364.

Silurian, Ludlovian, Okhesaares Horizon. Estonia

*Cicerocrinus scanicus* (Jaekel, 1900). Rozhnov, 1981, p. 111, Fig. 21, no. i .

*Lagarocrinus scanicus* Jaekel, 1900b, p. 486, Figs. 3-4, 6-7. Bassler and Moodey,  
 1943, p. 364.

*Cicerocrinus skanicus* (Jaekel, 1900). Webster, 1988, p. 55.

Silurian, Ludlovian *Beyrichia* Limestone; Okhesaares Horizon. Sweden; Estonia

*Cicerocrinus skanicus* (Jaekel, 1900) = *Cicerocrinus scanicus*

Cincinnaticrinidae indeterminate Ausich and Copper, 2010, p. 65, Pl. 15, fig. 1.

Silurian, Llandoveryan, Jupiter Formation, Pavillon Member. Canada, Quebec,  
 Anticosti Island

Cincinnaticrinitoidean? Donovan, 1898 = *Aithriocrinus strahani*

**CINCINNATICRINUS** Warn and Strimple, 1977. \**C. varibrachialus* Warn and Strimple, 1977.

Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae

Warn and Strimple, 1977, p. 35. Frest, Strimple, and McGinnis, 1979, p. 407, Fig. 2, no. B. Webster, 1986, p. 96. Sevastopulo and Lane, 1988, p. 246. Webster, 1993, p. 37. Simms, 1994b, p. 304, Figs. 1, no. B; 2, no. B. Simms, 1994c, p. 258, Figs. 1, no. B; 3, no. B. Ausich, 1998b, p. 36. Ausich *in* Hess et al., 1999 p. 78, Fig. 89 (reconstruction). Brett, Deline and McLaughlin, 2008, p. 27, Fig. 2.3, no. 3 (reconstruction).

**HETEROCRINUS** Hall, 1866, p. 4 (*non* Hall, 1847). Hall, 1872a, p. 6. Hall, 1872b, p. 210. Warn and Strimple, 1977, p. 35. Webster, 1986, p. 96.

**STENOOCRINUS** Wachsmuth and Springer, 1886, p. 111 (p. 187). Miller, S. A., 1889, p. 283. Zittel, 1895, p. 134. Bather *in* Lankester, 1900, p. 146. Zittel, 1910, p. 151. Bassler, 1915, p. 610. Bassler, 1938, p. 174. Warn and Strimple, 1977, p. 35. Webster, 1986, p. 96.

Named, currently recognized species based on cups or crowns: 4 Ordovician species, 2 Sandbian – Katian, 2 Katian

Ordovician, Sandbian - Katian (Edenian – Richmondian). North America

*Cincinnaticrinus heterodactylus* (Hall, 1866). Brett *in* Hess et al., 1999 p. 66, Fig. 75.

Note. *Heterocrinus heterodactylus* Hall, 1866 transferred to *Cincinnaticrinus varibrachialis* Warn and Strimple, 1977.

Ordovician, Sandbian – Katian, Trenton Group, Rust Limestone. United States, New York

*Cincinnaticrinus juvenis* (Hall, 1866).

*Heterocrinus juvenis* Hall, 1866, p. 4, Pl. 5, figs. 9-10. Hall, 1872a, p. 8, figs. 9-10. Hall, 1872b, p. 212, Pl. 5, figs. 9-10. Meek, 1873a, p. 10, Pl. 1, figs. 3b-3c only. Miller, S. A., 1889, p. 252, Fig. 329. Lesley, 1889, p. 283, Unnum. Fig. Cumings, 1908, p. 725, Pl. 3, figs. 3-3b. Bassler, 1915, p. 611. Bassler and Moodey, 1943, p. 506. Warn and Strimple, 1977, p. 39, Pl. 2, fig. 5. Webster, 1986, p. 96.

*Stenocrinus juvenis* (Hall, 1866). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 611.

Ordovician, Katian, Maysvillian - Richmondian, Fairview, Grant Lake and Bull Fork Formations; Corryville Shale. United States, Ohio

*Cincinnaticrinus pentagonus* (Ulrich, 1882). Warn and Strimple, 1977, p. 55, Pl. 6.

Ausich, 1996b, p. 244, Fig. 17-3, nos. 3-4. Ausich *in* Hess et al., 1999 p. 76, Fig. 86. Meyer and Davis, 2009, p. 178, Fig. 12.6, no. C.

*Heterocrinus pentagonus* Ulrich, E. O., 1882, p. 176, Pl. 5, figs. 10-10a. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 612. Ockerman, 1926, p. 114, Pl. 1, fig. 6. Bassler and Moodey, 1943, p. 506. Warn and Strimple, 1977, p. 55. Webster, 1986, p. 96.

*Stenocrinus pentagonus* (Ulrich, 1882). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 612.

*Cincinnaticrinus pentagonus* (Ulrich, 1882). Webster, 1986, p. 96 (sic).



Ordovician, Katian, Maysvillian - Richmondian, Fairview, Grant Lake and Bull Fork Formations; Corryville Shale. United States, Ohio

*Cincinnaticrinus pentgonus* (Ulrich, 1882) = *Cincinnaticrinus pentagonus*

\**Cincinnaticrinus varibrachialus* Warn and Strimple, 1977, p. 41, Pls. 3-5; Figs. 8; 9, no. 2; 11, 13. Webster, 1986, p. 96. Kallmeyer and Donovan, 1998, p. 31, Fig. 6, no. A. Brower, 2005, p. 1, Figs. 1-6. Brower, 2006, p. 431, Fig. 1, nos. 16-18, 23-24. Brower, 2007b, p. 1285, Fig. 2, nos. 16-18. Meyer and Davis, 2009, p. 178, Figs. 12.5, nos. A, H; 12.6, nos. A-B. Brower, 2011, p. 270, Fig. 1, nos. 1c-4c.

*Heterocrinus heterodactylus* Hall, 1866. Warn and Strimple, 1977, p. 41. Webster, 1986, p. 96.

*Heterocrinus difficilis* (Ulrich, Ms). Ruedemann, 1925, p. 70 (*nomen nudum*). Bassler and Moodey, 1943, p. 505. Warn and Strimple, 1977, p. 42. Webster, 1986, p. 96.

*Heterocrinus tenuis* Billings, E., 1857a, p. 273. Billings, E., 1859a, p. 50, Pl. 4, figs. 6a-6b. Bassler and Moodey, 1943, p. 506. Wilson, A. E., 1946, p. 32. Warn, 1973, p. 11, Pl. 1, fig. 1. Webster, 1973, p. 148. Warn and Strimple, 1977, p. 43. Webster, 1977, p. 96. Webster, 1986, p. 96.

*Stenocrinus heterodactylus* (Hall, 1847). Wachsmuth and Springer, 1886, p. 130 (p. 208). Bassler, 1915, p. 611.

*Ottawacrinus tenuis* Jaekel, 1918, p. 85, Fig. 79. Bassler and Moodey, 1943, p. 506.

Ordovician, Sandbian – Katian, Edenian - Maysvillian, Kope, Fairview, Martinsburg, and Whetstone Gulf Formations; Cobourg Formation; Sherman Fall Formation, Hull Limestone; Rust Formation, Spillway Member. United States, Pennsylvania, Ohio, New York, Maryland, Kentucky; Canada, Ontario, Quebec

*Cincinnaticrinus* spp.

Brett, Deline and McLaughlin, 2008, p. 27, Fig. 2.3, no. 2.

Ordovician, Katian. United States, Ohio

Reizner, 2009, p. 3 unnum. fig.

Ordovician, Katian (Richmondian), Kope Formation. United States, Ohio

Cladid arms indeterminate Webster, Maples, and Yazdi, 2007, p. 1114, Fig. 4, no. 9. Mississippian, late Tournaisian, Mobarak Formation. Northern Iran

Cladid gen et ap. Indet. Donovan et al., 2010, p. 132, Fig. 61.

Silurian, early Llandovery, Mulloch Hill Sandstone Formation. United Kingdom, Scotland, Ayrshire

Cladid indet. Webster et al., 2009a, p. 51, Fig. 3, nos. E-F.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang

Cladid indeterminate 1 Webster et al., 2004, p. 58, Pl. 17, figs. 27-28.

Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria

- Cladid indeterminate 2 Webster et al., 2004, p. 58, Pl. 15, figs. 5-8.  
Pennsylvanian, Bashkirian, Hassi Kerma Formation. Algeria
- Cladid indeterminate 3 Webster et al., 2004, p. 58.  
Mississippian, late Viséan, upper part of Akacha-Mazzer Formations. Algeria
- Cladid indeterminate 4 Webster et al., 2004, p. 58, Pl. 17, figs. 5-8.  
Pennsylvanian, late Bashkirian, Hassi Kerma Formation. Algeria
- Cladid indeterminate 5 Webster et al., 2004, p. 59.  
Pennsylvanian, late Bashkirian, Hassi Kerma Formation. Algeria
- Cladid indeterminate 6 Webster et al., 2004, p. 59, Pl. 17, figs. 15-16.  
Pennsylvanian, late Bashkirian, Hassi Kerma Formation. Algeria
- Cladid indeterminate 7 Webster et al., 2004, p. 59, Pl. 17, figs. 3-4.  
Pennsylvanian, late Bashkirian, Hassi Kerma Formation. Algeria
- Cladid indeterminant 1 partial crown Webster and Lane, 2007, p. 962, Fig. 6, no. 7.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Cladid indeterminant 2, fragmentary crown Webster and Lane, 2007, p. 963, Fig. 6,  
nos. 3-4.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Cladid indeterminant 3, set of arms Webster and Lane, 2007, p. 963, Fig. 6, no. 6.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Cladid indeterminate 1 Webster and Waters, 2009, p. 283, Fig. 5, no. M.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
Autonomous Region
- Cladid indeterminate 2 Webster and Waters, 2009, p. 283, Fig. 5, no. J.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
Autonomous Region
- Cladid? indeterminant Webster and Lane, 2007, p. 964, Fig. 6, no. 5.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Cladid radial Webster and Maples, 2008, p. 201, Fig. 10.1, no. 7.  
Diagramatic
- Cladid sp. nov. Fione et al., 2002, p. 110, Pl. 3, figs. 3-4; Fig. 3, nos. A-B.  
Ordovician, Darriwilian (Llanvirian), Meadowtown Formation. United Kingdom
- Cladida and Flexibilia Rozhnov, 2002, p. S538, Fig. 10. (diagramatic)
- Cladida fam. gen. et sp. indet. 1 Webster et al., 2009, p. 672, Fig. 8, no. b.

- Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island
- Cladida fam. gen. et sp. indet. 2 Webster et al., 2009, p. 673, Fig. 8, no. d.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island
- Cladida fam. gen. et sp. indet. 3 Webster et al., 2009, p. 673, Fig. 8, no. c.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island
- Cladida genera and species indet. Webster et al., 2009, p. 673, unfig.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island
- Cladida incertae sedis A Ausich and Sevastopulo, 2001, p. 121, Pl. 13, figs. 9-11.  
Mississippian, Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland
- Cladida incertae sedis B Ausich and Sevastopulo, 2001, p. 122, Pl. 13, fig. 7; Fig. 14, no. I.  
Mississippian, Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland
- Cladida incertae sedis C Ausich and Sevastopulo, 2001, p. 122, Pl. 13, fig. 6. Fig. 14, nos. L-M.  
Mississippian, Tournaisian, Hook Head Formation. Ireland
- Cladida incertae sedis D Ausich and Sevastopulo, 2001, p. 123, Pl. 13, fig. 8, Fig. 14, no. K.  
Mississippian, Tournaisian, Hook Head Formation, *Chonetes* Beds. Ireland
- Cladida n. sp. Gil Cid *et al.*, 1996, p. 177, Fig. 1c, no. 8. (diagramatic)  
Crinoidea Cladida n. gen. n. sp. Gil Cid, *et al.*, 1998, p. 317, Fig. 4, no. 3. (diagramatic)  
Ordovician, Sandbian (Caradocian), Cantera Shales Formation. Spain
- Cladida gen. et sp. ind. Prokop and Petr, 1990, p. 61.  
Restes indéterminés Waagen et Jahn, 1899, Pl. 78, fig. 3, no. 15 (only). Prokop and Petr, 1990, p. 61. Webster, 1993, p. 37.  
Silurian, late Wenlockian, Liten Formation. Czech Republic
- Cladida species indeterminate 1 Webster and Hafley *in* Webster *et al.*, 1999, p. 474, Fig. 4.6.  
Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

Cladida species indeterminate 2 Webster and Hafley *in Webster et al.*, 1999, p. 475, Fig. 4.3.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

Cladida species indeterminate 3 Webster and Hafley *in Webster et al.*, 1999, p. 474.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

Cladida species indeterminate 4 Webster and Hafley *in Webster et al.*, 1999, p. 474, Fig. 4.1.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

Cladida species indeterminate 5 Webster and Hafley *in Webster et al.*, 1999, p. 474, Fig. 4.2.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

Cladids, Flexibles, Diplobathrid Camerates Ausich, 1996b, p. 960, Fig. 6, no. 2 (diagramatic)

Cladids indeterminate

Webster and Kues, 2006, p. 21.

Pennsylvanian, Morrowan, Osha Canyon Formation. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, Desmoinesian, Flechado Formation. United States, New Mexico  
Webster and Kues, 2006, p. 21.

Pennsylvanian, Missourian, Madera Group, Wild Cow Formation, Sol se Mete Member. United States, New Mexico

Webster and Kues, 2006, p. 21-22.

Pennsylvanian, Missourian or Virgilian, Madera Group. United States, New Mexico

Webster and Kues, 2006, p. 22.

Pennsylvanian, Virgilian, Madera Group, Jemez Springs Member, upper white limestone. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, Virgilian, Madera Group, Wild Cow Formation, La Casa Member. United States, New Mexico

Fearnhead and Donovan, 2007b, p. 81, Figs. 1-2.

Silurian, Llandoveryan, Newlands Formation. United Kingdom, Scotland

*CLADOCRINITES* Austin and Austin, 1843 = **TAXOCRINUS**

*Cladocrinites brevidactylus* Austin and Austin, 1843 = *Pachylocrinus brevidactylus* =  
*Blothrocrinus brevidactylus* = *Blothrocrinus longidactylus*

*Cladocrinites egertoni* (Phillips, 1836) = *Onychocrinus polydactylus*

*Cladocrinites longidactylus* (Austin and Austin, 1843) = *Taxocrinus longidactylus* =  
*Blothrocrinus longidactylus*

*Cladocrinites macrodactylus* (Phillips, 1838) = *Taxocrinus macrodactylus*

*Cladocrinites monodactylus* (Phillips, 1838) = *Taxocrinus macrodactylus*

*Cladocrinites nobilis* (Phillips, 1836) = *Taxocrinus nobilis*

*Cladocrinites pentagonus* Austin and Austin, 1843 = *Phacelocrinus pentagonus* =  
*Gaelicrinus pentagonus*

*Cladocrinites tuberculatus* (Miller, 1821) = *Ichthyocrinus pyriformis*

*Cladocrinites tuberculatus* Austin and Austin, 1843 = *Platycrinites tuberculatus*

Cladocrinoidea Jaekel, 1902, p. 1092, Fig. 25.

**CLADOCRINUS** Morris, 1843 = **TAXOCRINUS**

**CLADOSTOMA** Rafinesque, 1819. Bassler, 1938, p. 66 (unrecognizable).

**CLARKEOCRINUS** Goldring, 1923. \**Cacabocrinus troosti* Hall, 1862.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F.  
Dolatocrinidae

Goldring, 1923, p. 179. Bassler, 1938, p. 66. Bassler and Moodey, 1943, p. 364.

Moore and Laudon, 1943b, p. 99. Moore and Laudon, 1944, p. 201, Pl. 70, fig. 7.

Ubaghs, 1953, p. 742, Fig. 107. Webster, 1973, p. 81. Ubaghs in Moore and

Teichert, 1978, p. T498. Webster, 1986, p. 96. Webster, 1988, p. 55.

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Givetian, 1 Eifelian

Middle Devonian. United States, New York; Germany

*Clarkeocrinus priestersbachi* Schmidt, W. E., 1942, p. 92, Pl. 11, fig. 1; Fig. 26.

Webster, 1973, p. 81. Ubaghs in Moore and Teichert, 1978, p. T498, Fig. 301,  
no. 1b. Webster, 1986, p. 96.

Devonian, Eifelian. Germany

\**Clarkeocrinus troosti* (Hall, 1862). Goldring, 1923, p. 181, Pls. 21-24, figs. 1-4; 25;  
Fig. 41. Bassler and Moodey, 1943, p. 364. Moore and Laudon, 1944, p. 201,  
Pl. 74, fig. 1. Goldring, 1950, p. 34, Pl. 2, fig. 10. Ubaghs, 1953, p. 742, Fig.

107. Webster, 1973, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T498, Figs. 62, no. 1; 301, no. 1a. Brett, 1981b, p. 363, Fig. 8, no. F. Webster, 1986, p. 96. Webster, 1988, p. 55. Brett *in* Hess et al., 1999 p. 123, Figs. 132-133.  
*Cacabocrinus troosti* Hall, 1862a, p. 110. Hall, 1862b, p. 138. Shumard, 1868, p. 367. Bassler, 1938, p. 66. Bassler and Moodey, 1943, p. 364.  
*Dolatocrinus troosti* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240.  
*Dolatocrinus canadensis* Wachsmuth and Springer, 1897 (*non* Whiteaves, 1887), p. 315, Pl. 25, figs. 7a-7b. Bassler and Moodey, 1943, p. 364.  
 Devonian, Givetian, Moscow Formation, Kashong Shale. United States, New York

Class Crinoidea Talent, 1965 = *Nassoviocrinus corcorani*

Class Crinoidea; Subclass, Order, Family, Genus and Species indeterminate Lane and Ausich, 1995, p. 1105, Fig. 7.6.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana

*Clathrocrinus clinatus* Strimple and Moore, 1971 = *Clathrocrinus clinatus*

Clathrocrinid gen. et sp. nov. Webster and Jell, 1993, p. 354, Fig. 2, nos. O-P. Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Muk Island

**CLATHROCRINUS** Strimple and Moore, 1971. \**C. clathratus* Strimple and Moore, 1971.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Clathrocrinidae

Strimple and Moore, 1971a, p. 35. Strimple, 1973g, p. 29. Webster, 1977, p. 55. Moore and Strimple *in* Moore and Teichert, 1978, p. T690. Webster, 1986, p. 96. Webster, 1993, p. 37. Webster and Maples, 2006, p. 192, Fig. 2, no. F. *Thomka et al., 2012, p. 475, Fig. 9.*

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Atokan, 2 Missourian

Pennsylvanian, Atokan - Missourian. United States, Illinois, Oklahoma

\**Clathrocrinus clathratus* Strimple and Moore, 1971a, p. 36, Pls. 20, figs. 4, 8; 21, figs. 1-2, 4-6; Figs. 2, no. A; 12, no. 1a; 13, nos. 1a-1b. Strimple, 1973g, p. 29, Fig. 22, no. 4. Webster, 1977, p. 55. Moore and Strimple *in* Moore and Teichert, 1978, p. T690, Fig. 454, nos. 1a-1d. Webster, 1986, p. 97. Ausich *in* Hess et al., 1999 p. 155, Fig. 165.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Clathrocrinus clinatus* Strimple and Moore, 1971a, p. 36, Pls. 12, fig. 2; 20, figs. 1-3, 5-7, 9; 21, fig. 3; Figs. 12, no. 1b-1c; 14, nos. 1a-d; 15, nos. 1a-1b; 16, nos. 1a-1b. Priest, 1973, p. 76, Fig. 20. Strimple, 1973g, p. 29, Figs. 21, nos. 2-3; 22, nos. 1-3. Webster, 1977, p. 56. Moore and Strimple *in* Moore and Teichert, 1978, p. T690, Fig. 454, no. 1e. Webster, 1986, p. 97. Foster, 1988, p. 207, Fig. 13.

Webster, 1993, p. 38.  
 Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member.  
 United States, Illinois

*Clathrocrinus grileyi* Strimple, 1975e, p. 17, Fig. 11. Webster, 1986, p. 97.  
 Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States,  
 Oklahoma

**CLAVICULACRINUS** Donovan, 1989. \**C. scoticus* Donovan, 1989.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. - F. uncertain  
 Donovan, 1989d, p. 76. Webster, 1993, p. 38.  
 Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
 species  
 Ordovician, Katian, early late Ashgillian. United Kingdom, Scotland

\**Claviculacrinus scoticus* Donovan, 1989d, p. 76, Pls. 7, figs. 3, 9; 13, fig. 6; Figs. 13,  
 no. E; 17, no. G; 28-29. Webster, 1993, p. 38. Donovan, Paul, and Lewis, 1996,  
 p. 209, Pl. 37, fig. 4. Donovan and Lewis, 2008b, p. 12, Fig. 2. Donovan, Sutton,  
 and Sigwart, 2011, p. 459, Fig. 6, no. B.  
 Undetermined Heterocrinid 1 Ramsbottom, 1961, p. 10, Pl. 6, fig. 5 (only).  
 Webster, 1973, p. 148. Donovan, 1989d, p. 76. Webster, 1993, p. 38.  
 Heterocrinids? Donovan, 1986, p. 29, Figs. 13, nos. D-E; 17, no. G. Donovan,  
 1989d, p. 76. Webster, 1993, p. 38.  
 Ordovician, Katian, early late Ashgillian, upper part of Drummuck Group, Lady Burn  
 Formation, Starfish Bed. United Kingdom, Scotland

**CLEIOCRINUS** Billings, 1857. \**C. regius* Billings, 1857.  
 Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Cleiocrinidae  
 Billings, E., 1857a, p. 276. Billings E., 1859a, p. 52. Shumard, 1868, p. 359. Bigsby,  
 1868, p. 18. Zittel, 1879, p. 357. Wachsmuth and Springer, 1880, p. 147 (370).  
 Wachsmuth and Springer, 1886, p. 152 (76). Miller, S. A., 1889, p. 231. Bather  
*in*  
 Lankester, 1900, p. 191. Springer, 1902, p. 94. Springer, 1905, p. 93. Springer,  
 1906, p. 519. Wood, E., 1909, p. 100. Grabau and Shimer, 1910, p. 562.  
 Springer, 1911b, p. 41. Springer *in* Zittel, 1913, p. 186. Bassler, 1915, p. 229.  
 Springer, 1920a, p. 441. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p.  
 364.  
 Moore and Laudon, 1943b, p. 101. Ubaghs, 1953, p. 735, Fig. 139, no. a.  
 Webster, 1973, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T129, T411, Fig.  
 99, no. 3. Kolata, 1982, p. 173. Webster, 1986, p. 97. Webster, 1988, p. 55.  
 Ausich, 1998b, p. 35.  
**CLEISTOCRINUS** Ludwig, 1906, p. 8. Bassler, 1938, p. 67. Bassler and Moodey,  
 1943, p. 364. Ubaghs *in* Moore and Teichert, 1978, p. T411.  
**CLIOCRINUS** Miller, S. A., 1892a, p. 676. Hudson, 1911, p. 211. Bassler, 1915, p.  
 230. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 364. Ubaghs *in* Moore  
 and Teichert, 1978, p. T411.  
**CAMPANULITES** Troost, 1850a, p. 60. Troost, 1850b, p. 419. \**C. tessellatus* Troost,  
 1850. Wood, E., 1909, p. 100. Bassler, 1915, p. 230. Bassler, 1938, p. 59.

- Bassler and Moodey, 1943, p. 364. Ubaghs *in* Moore and Teichert, 1978, p. T411.  
 Named, currently recognized species based on cups or crowns: 8 Ordovician species, 1 Darriwilian, 5 Sandbian, 2 Katian  
 Ordovician, Darriwilian - Katian. North America
- Cleioocrinus bromidensis* Kolata, 1982, p. 174, Pl. 16, figs. 1-10. Webster, 1988, p. 55.  
 Ordovician, Sandbian, Bromide Formation, Pooleville Member. United States, Oklahoma
- Cleioocrinus laevis* Springer, 1911a, p. 44, Pl. 5, fig. 11. Bassler, 1915, p. 231. Bassler and Moodey, 1943, p. 365. Guensburg, 1984, p. 22, Pl. 2, figs. 1-3, 6-7; Fig. 3. Webster, 1988, p. 55.  
 Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Cleioocrinus libanus* Safford, 1869 = *Cleioocrinus tessellatus*
- Cleioocrinus ornatus* Kolata, 1982, p. 175, Pl. 16, figs. 11-12. Webster, 1988, p. 55.  
 Ordovician, Sandbian, Bromide Formation, Pooleville Member. United States, Oklahoma
- Cleioocrinus perforatus* (Hudson, 1911). Bassler, 1915, p. 230. Bassler and Moodey, 1943, p. 365.  
*Cleioocrinus perforatus* Hudson, 1911, p. 211, Figs. 2-3. Bassler, 1915, p. 230. Bassler and Moodey, 1943, p. 365.  
 Ordovician, Darriwilian, Chazyan, Valcour Limestone. United States, New York
- \**Cleioocrinus regius* Billings, E., 1857a, p. 276. Billings, E., 1859a, p. 53, Pl. 5, figs. 1a-1g. Shumard, 1868, p. 359. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 232, Fig. 264. Springer, 1905, p. 110, Pl. 1, figs. 1-10. Grabau and Shimer, 1910, p. 562. Springer, 1911a, p. 41, Pl. 5, figs. 7-9. Bassler, 1915, p. 230. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 365. Wilson, A. E., 1946, p. 23, Pl. 5, fig. 2. Ubaghs, 1950, p. 119, Fig. 7. Ubaghs, 1953, Fig. 33, nos. d-f. Webster, 1973, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T102, T207, T411, Figs. 76, no. 1; 174, nos. 1-3; 221, nos. 1a-1d. Webster, 1986, p. 97. Brower, 1994, p. 570, Fig. 1. Simms *in* Hess et al., 1999 p. 32, Fig. 54, nos. a-b.  
 Ordovician, Katian, Champlainian, Cobourg Limestone, Hull Limestone. Canada, Ontario  
 Ordovician, Katian, Galena Group, Dunleith Formation, Rivoli Member. United States, Iowa
- Cleioocrinus sculptus* Springer, 1911b, p. 44, Pl. 5, fig. 10. Bassler, 1915, p. 230. Bassler and Moodey, 1943, p. 365. Ubaghs, 1953, p. 735, Fig. 33, no. g. Webster, 1973, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T207, T411, Figs. 174, nos. 4-5; 221, no. 1e. Webster, 1986, p. 97.  
 Ordovician, Katian, Trenton. United States, Kentucky
- Cleioocrinus springeri* Guensburg, 1984, p. 22, Pl. 2, figs. 4, 8-9. Webster, 1988, p. 55.



Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

- Cleioocrinus tessellatus* (Troost in Wood, 1909). Wood, E., 1909, p. 100, Pl. 7, fig. 11. Bassler, 1915, p. 230. Bassler and Moodey, 1943, p. 365. Ubaghs *in* Moore and Teichert, 1978, p. T207, Fig. 174, nos. 6-8. Guensburg, 1984, p. 20, Pl. 1, figs. 3, 5-9, 11-17, 19-21. Webster, 1986, p. 97. Webster, 1988, p. 55. Ausich, 2009a, suppl., p. 12.
- Campanulites tessellatus* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 230. Bassler, 1938, p. 59. Bassler and Moodey, 1943, p. 365.
- Cleioocrinus libanus* Safford, 1869, p. 285 (*nomen nudum*). Miller, S. A., 1889, p. 231. Bassler, 1915, p. 231. Bassler and Moodey, 1943, p. 365.
- Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

**CLEISTOCRINUS** Ludwig, 1906 = **CLEIOCRINUS**

**CLEISTOCRINUS** Springer, 1920 (*non* Ludwig, 1906). \**Calpiocrinus humilis* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F. Ichthyocrinidae

Springer, 1920a, p. 292. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 365. Moore and Laudon, 1943b, p. 76. Ubaghs, 1953, p. 756. Brower, 1973, p. 466, Fig. 45. Webster, 1973, p. 81. Webster, 1977, p. 56. Moore *in* Moore and Teichert, 1978, p. T792, Figs. 506, no. 14. Webster, 1986, p. 97.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species

Silurian, Wenlockian. Sweden

\**Cleistocrinus humilis* (Angelin, 1878). Springer, 1920a, p. 293, Pl. 38, figs. 1-2. Bassler and Moodey, 1943, p. 365. Moore *in* Moore and Teichert, 1978, p. T593, Figs. 530, no. 4; 531, no. 1. Webster, 1986, p. 97.

*Calpiocrinus humilis* Angelin, 1878, p. 12, Pls. 23, figs. 28-28c; 26, fig. 17. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 365.

Silurian, Wenlockian. Sweden, Isle of Gotland

**CLEMATOCRINUS** Jaekel, 1898. \**Actinocrinites? retarius* Phillips *in* Murchison, 1839. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

Jaekel, 1898a, p. 47. Jaekel, 1918, p. 91. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 501. Ubaghs, 1953, p. 743. Webster, 1973, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T512. Ausich, 1986e, p. 894. Webster, 1986, p. 97.

Webster, 1988, p. 55. Webster, 1993, p. 38. Jell, 1999a, p. 51. Fearnhead and Donovan, 2007a, p. 906. *Donovan et al., 2012, p. 210.*

Named, currently recognized species based on cups or crowns: 13 species. Silurian, 2 Llandoveryan, 1 Wenlockian, 5 Niagaran, 3 Ludlovian, 1 Silurian – Devonian Ludlovian Lochkovian, 1 Pridoli

Silurian, Wenlockian - Ludlovian. United Kingdom

Silurian, Llandoveryan - Devonian, Lochkovian. United States  
 Silurian, Ludlovian. Australia, Victoria

*Clematocrinus argylensis* Jell, 1999a, p. 53, Fig. 41, nos. A-F.  
 Silurian, late Ludlovian, Mclvor Formation. Australia, Victoria

*Clematocrinus cirrifer* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993, p. 38.  
*Hapalocrinus cirrifer* Springer, 1926a, p. 52, Pl. 12, figs. 1-4. Bassler and Moodey,  
 1943, p. 501. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 21. Webster, 1973,  
 p. 146. Ausich, 1986e, p. 894. Webster, 1993, p. 38.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Clematocrinus? devonicus* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993,  
 p. 38.  
*Hapalocrinus devonicus* Springer, 1926a, p. 53, Pl. 12, fig. 6. Bassler and Moodey,  
 1943, p. 501. Ausich, 1986e, p. 894. Webster, 1993, p. 38.  
 Silurian, Pridoli, Keyser Formation. United States, West Virginia

*Clematocrinus dubius* (Rowley, 1904). Ausich, 1987b, p. 569, Fig. 2, nos. 12-14.  
 Webster, 1993, p. 38.  
*Cordylocrinus? dubius* Rowley, R. R., 1904d, p. 272, Pl. 16, figs. 20-22. Bassler,  
 1915, p. 277. Bassler and Moodey, 1943, p. 372. Ausich, 1987b, p. 569.  
 Webster, 1993, p. 38.  
*Coccocrinus dubius* (Rowley, 1904). Ausich, 1987b, p. 569. Webster, 1993, p. 38.  
 Silurian, early Ludlovian, Bainbridge Group, Moccasin Springs Formation. United  
 States, Missouri

*Clematocrinus gracilis* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993, p. 38.  
*Hapalocrinus gracilis* Springer, 1926a, p. 52, Pl. 11, figs. 30-32. Bassler and  
 Moodey, 1943, p. 502. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 15.  
 Webster, 1973, p. 146. Ausich, 1986e, p. 894. Webster, 1993, p. 38.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Clematocrinus ohioensis* Ausich, 1986e, p. 895, Figs. 2, nos. 9, 12-16; 4; 5. Webster,  
 1993, p. 38.  
 Silurian, late early or middle Llandoveryan, Brassfield Formation. United  
 States, Ohio

*Clematocrinus parvus* (Hall, 1859) = *Cordylocrinus plumosus*

*Clematocrinus perforatus* Jell, 1999a, p. 51, Figs. 38-40.  
 Silurian, late Ludlovian, Humevale Formation, Clonbinane Sandstone Member;  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Clematocrinus pinnulatus* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993, p.  
 38. Donovan et al., 2012, Pl. 58, fig. 1; Fig. 9.  
*Hapalocrinus pinnulatus* Springer, 1926a, p. 52, Pl. 12, fig. 5. Bassler and  
 Moodey, 1943, p. 502. Ausich, 1986e, p. 894. Webster, 1993, p. 38.

Silurian, Niagaran, Beech River Formation. United States, Tennessee  
 Silurian, Late Ludlovian, Leintwardine Formation. United Kingdom, Herefordshire

*Clematocrinus plumosus* (Hall, 1859) = *Cordylocrinus plumosus*

*Clematocrinus quinquepennis* (Salter in Ramsbottom, 1958). Ausich, 1986e, p. 894.  
 Webster, 1993, p. 38.

*Hapalocrinus quinquepennis* Salter in Ramsbottom, 1858, p. 113, Pl. 20, figs. 1-3.

Webster, 1973, p. 146. Ausich, 1986e, p. 894. Webster, 1993, p. 38.

Silurian, Ludlovian. United Kingdom

*Clematocrinus ramsbottomi* Fearnhead in Fearnhead and Donovan, 2007a, p. 906, Fig. 1, nos. A-B. Donovan et al., 2008a, p. 39, Fig. 7, nos. A-B.

*Hapalocrinus dameryensis* Ramsbottom, 1953 (nomen nudum). Fearnhead in Fearnhead and Donovan, 2007a, p. 906.

*Hapalocrinus* sp. nov. Donovan and Harper, 1954. Fearnhead in Fearnhead and Donovan, 2007a, p. 906.

Silurian, late Llandovery, Telychian, Damery Beds. United Kingdom

\**Clematocrinus retarius* (Phillips in Murchison, 1839). Ubaghs in Moore and Teichert, 1978, p. T512, Fig. 314, no. 1. Webster, 1986, p. 98. Kluessendorf, 1983, p. 49, Figs. 3-4. Ausich, 1986e, p. 894. Webster, 1988, p. 55. Webster, 1993, p. 39. Kluessendorf, 1995, p. 14, Fig. 2, no. b. Ray and Thomas, 2007, p. 211, Fig. 10,

nos. A, B. Donovan et al., 2012, p. 214, Pl. 59, fig. 1; Figs. 93-94.

*Actinocrinites? retarius* Phillips in Murchison, 1839, p. 674, Pl. 17, fig. 7. Bassler and Moodey, 1943, p. 502.

*Actinocrinites retarius* Phillips, 1839. Bassler, 1938, p. 67.

*Actinocrinus retarius* (Phillips in Murchison, 1839). Bronn, 1848, p. 14.

*Platycrinus (Actinocrinus) retarius* (Phillips, 1839). Phillips in Murchinson, 1859, p. 247, Pl. 14, fig. 9. Bassler and Moodey, 1943, p. 502.

*Platycrinus retarius* (Phillips, 1839). Murchison, 1872, p. 223, Pl. 14, fig. 9. Salter, 1873, p. 122.

*Hapalocrinus retarius* (Phillips, 1839). Bather in Lankester, 1900, p. 156, Fig. 69.

Bassler and Moodey, 1943, p. 502. Watkins and Hurst, 1977, p. 210, Figs. 6, no. J; 8. Webster, 1986, p. 166.

*Clematocrinus retarius* (Phillips, 1839). Jaekel, 1897, p. 47. Bassler and Moodey, 1943, p. 502.

*Glyptocrinus retarius* (Phillips, 1839). d'Orbigny, 1850, p. 46. Shumard, 1868, p. 373. Bassler and Moodey, 1943, p. 494.

Silurian, Wenlockian (Homeric), ?Much Wenlock Limestone Formation. United Kingdom, Scotland

*Clematocrinus retarius* (Phillips, 1839) = *Clematocrinus retarius*

*Clematocrinus? tennesseeensis* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993, p. 39.

*Hapalocrinus tennesseensis* Springer, 1926a, p. 53, Pl. 12, fig. 7. Bassler and Moodey, 1943, p. 502. Brett, 1981b, p. 366, Fig. 8, no. H. Ausich, 1986e, p. 894. Webster, 1988, p. 92. Webster, 1993, p. 39.

Silurian, Niagaran, Beech River Formation; Brownsport Formation. United States, Tennessee

*Clematocrinus tuberculatus* (Springer, 1926). Ausich, 1986e, p. 894. Webster, 1993, p. 39.

*Hapalocrinus tuberculatus* Springer, 1926a, p. 53, Pl. 12, fig. 6. Bassler and Moodey, 1943, p. 502. Ausich, 1986e, p. 894. Webster, 1993, p. 39.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

**CLIDOCHIRUS** Angelin, 1878. \**C. pyrum* Angelin, 1978.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Icthyocrinoidea, F. Icthyocrinidae

Angelin, 1878, p. 12. Zittel, 1880, p. 343, 355. Bather *in* Lankester, 1900, p. 188.

Springer, 1902, p. 94. Springer, 1906, p. 479. Springer *in* Zittel, 1913, p. 205.

Springer, 1920a, p. 261. Goldring, 1923, p. 305. Springer, 1926a, p. 69. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 365. Moore and Laudon, 1943b, p.

76, Fig. 11. Moore and Laudon, 1944, p. 183, Pl. 66, fig. 9. Ubaghs, 1953, p.

756. Brower, 1973, p. 462, Fig. 45. Webster, 1973, p. 81. Webster, 1977, p. 56.

Moore *in* Moore and Teichert, 1978, p. T793, Figs. 506, no. 7; 507, no. 6.

Ausich,

1984b, p. 1341. Webster, 1988, p. 55. Lane and Sevastopulo, 1990, p. 334.

Webster, 1993, p. 39. Donovan and Lewis, 2005, p. 348. Donovan et al., 2010,

p.

110. LeMenn, 2009, p. 469, Fig. 7.26, no. a.

**CLIDOCHRINUS** Wanner, 1916, p. 251. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 365.

Named, currently recognized species based on cups or crowns: 11 species.

3 Ordovician, 2 Katian, 1 Hirnantian; 4 Silurian, 3 Llandoveryan, 1 Wenlockian; 3

Devonian, 1 Pragian, 1 Frasnian, 1 Frasnian - Famennian boundary; 1

Mississippian, Viséan

Silurian, Wenlockian. Sweden

Ordovician, Katian - Hirnantian; Silurian, Llandoveryan; Devonian, Pragian –

Frasnian; Mississippian, Viséan. United States

*Clidochirus americanus* Springer, 1920a, p. 296, Pl. 37, figs. 7-8. Bassler and Moodey, 1943, p. 365. Moore and Laudon, 1944, p. 183, Pl. 54, fig. 3. Webster, 1973, p. 82. Ausich, 1984b, p. 1342, Figs. 2-3, nos C, E, H. Webster, 1988, p. 56. Brower, 2001, p. 374, Fig. 6, no. 7.

Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

*Clidochirus anebos* Brower, 2001, p. 371, Figs. 2-3.

*Protaxocrinus* sp. Kolata, Brower, and Frest, 1987, p. 180. Brower, 2001, p. 371.

Ordovician, Katian, Maquoketa Formation, Fort Atkinson Member. United States, Iowa

*Clidochirus gratiosus* Strimple, 1963 = *Paraclidochirus gratiosus*

*Clidochirus greenii* (Miller, 1892). Bassler and Moodey, 1943, p. 366.

*Ichthyocrinus greenii* Miller, S. A., 1892a, p. 680. Miller, S. A., 1892c, p. 52, Pl. 8, fig. 3. Miller, S. A., 1894, p. 306, Pl. 8, fig. 3. Weller, S., 1898c, p. 312. Bassler and Moodey, 1943, p. 366.

?*Clidochirus greenii* (Miller, 1892). Springer, 1920a, p. 300, Pl. 37, fig. 14. Bassler and Moodey, 1943, p. 366.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky

?*Clidochirus greenii* (Miller, 1892) = *Clidochirus greenii*

*Clidochirus iowensis* Thomas, A. O., 1924, p. 465, Pls. 42, figs. 19-34; 43, figs. 10-44.

Bassler and Moodey, 1943, p. 366.

Devonian, Frasnian-Famennian boundary, Hackberry Shale. United States, Iowa

*Clidochirus keyserensis* Springer, 1920 = *\*Paraclidochirus keyserensis*

*Clidochirus? maximus* Thomas, A. O., 1924, p. 467, Pl. 42, figs. 35-37. Bassler and Moodey, 1943, p. 366.

Devonian, Frasnian, Independence Shale. United States, Iowa

\**Clidochirus pyrum* Angelin, 1878, p. 12, Pl. 22, fig. 23; 17, fig. 6. Springer, 1906, p. 479, Pl. 6, fig. 7. Springer, 1920a, p. 296, Pl. 37, figs. 1-6. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 366. Ubaghs, 1953, p. 756, Fig. 15, no. a. Webster, 1973, p. 82. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 2. Moore *in* Moore and Teichert, 1978, p. T793, Figs. 530, no. 2; 531, nos. 2c-2e.

Webster, 1986, p. 98.

*Ichthyocrinus pyriformis* Angelin (part), 1878, Pl. 17, fig. 6. Bassler and Moodey, 1943, p. 366.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Clidochirus schucherti* (Talbot, 1905). Springer, 1920a, p. 299, Pl. 37, figs. 12-13.

Goldring, 1923, p. 305, Pl. 38, figs. 1-2. Bassler and Moodey, 1943, p. 366.

*Ichthyocrinus schucherti* Talbot, 1905, p. 30, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 366.

Devonian, Pragian (Gedinnian), New Scotland Limestone. United Kingdom; United States, New York

*Clidochirus serrulatus* Brower, 1973, p. 462, Pl. 79, fig. 2; Fig. 44. Webster, 1977, p.

56. Brower, 2001, p. 374, Fig. 6, no. 6.

Ordovician, Hirnantian, Girardeau Limestone. United States, Illinois

*Clidochirus springeri* Ausich, 1984b, p. 1345, Figs. 3, nos. A, D, F; 5. Webster, 1988, p. 56. Brower, 2001, p. 374, Fig. 6, no. 5.

Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

*Clidochirus ulrichi* Foerste, 1919, p. 17, Pl. 2, figs. 1A-1B; Fig. 1. Bassler and Moodey, 1943, p. 366. Ausich, 1984b, p. 1343, Figs. 3, nos. B, G; 4. Webster, 1988, p. 56.

Silurian, Llandoveryan, Dayton Limestone. United States, Ohio

*Clidochirus vaurealensis* Ausich and Copper, 2010, p. 61, Pl. 12, fig. 3; Fig. 11.2. Ordovician, Katian, Vauréal Formation, Homard Member. Canada, Quebec, Anticosti Island

*Clidochirus?* sp. no. 1 Fraunfelner, 1974, p. 17, Pl. 2, fig. 14. Webster, 1986, p. 98. Middle Devonian, Pennsylvanian, Missourian, Lingle Limestone. United States, Missouri

*Clidochirus* sp. Donovan and Lewis, 2005, p. 348, Fig. 1, nos. D, E. Silurian, late Llandovery. United Kingdom, Shropshire

*Clidocrinus?* spp.

Donovan et al., 2007, p. 48, Fig. 13. Ausich and Copper, 2010, p. 61, unfigured.

Donovan et al., 2010, p. 110, Pl. 29, fig. 1.

Silurian, late Llandovery, Telychian, Hughley Shales. United Kingdom

Ordovician, Katian, Vauréal Formation, Mill Bay Member. Canada, Quebec, Anticosti Island

*CLIDOCRINUS* Wanner, 1916 = **CLIDOCRINUS**

*CLIOCRINUS* Hudson, 1911 = **CLEIOCRINUS**

*Cliocrinus perforatus* Hudson, 1911 = *Cleioocrinus perforatus*

**CLISTOCRINUS** Kirk, 1937. \**C. pyriformis* Kirk, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae

Kirk, 1937a, p. 106. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 366. Lane, N. G., 1967b, p. 13, Figs. 2, 7 (*non* Fig. 8 as given). Webster, 1973, p. 82.

Webster, 1977, p. 56. Lane and Moore *in* Moore and Teichert, 1978, p. T605.

Arendt, 1981, p. 97. Webster, 1986, p. 98. Webster, 1988, p. 56. Hauser, 2004e, p. 40, Fig. 42 (plate diagram).

**CLITHROCRINUS** Kirk, 1937b, p. 373. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 366. Moore and Laudon, 1943b, p. 50. Arendt and Hecker, 1954, p. 85. Arendt, 1970a, p. 166. Webster, 1977, p. 56.

Named, currently recognized species based on cups or crowns: 3 species. 1

Devonian, Givetian; 1 Pennsylvanian, Atokan, 1 Permian, Artinskian

Devonian, Givetian. Germany

Middle Pennsylvanian, Atokan. United States, Alaska

Permian, Artinskian. Russia, Ural Mountains

*Clistocrinus concinnus* (Arendt, 1970). Webster, 1977, p. 56.

*Clithrocrinus concinnus* Arendt, 1970a, p. 167, Pl. 10, fig. 10; Fig. 48. Webster, 1977, p. 56.

Permian, late Artinskian, Kladokhonusoviy Limestone. Russia, Priurals

*Clistocrinus norberthoelleri* Hauser, 2004e, p. 40, Pl. 1, fig. 1; Fig. 43.

Devonian, Givetian, Loogh Formation. Germany.

\**Clistocrinus pyriformis* Kirk, 1937a, p. 107, Figs. 1-8. Bassler, 1938, p. 67. Bassler and Moodey, 1943, p. 366. Webster, 1977, p. 56. Lane and Moore in Moore and Teichert, 1978, p. T605, Fig. 391, no. 2. Arendt, 1981, p. 97, Pl. 30, fig. 2; Fig. 24, nos. a-b (not Pl. 25, as given p. 97). Webster, 1986, p. 98. Webster, 1988, p. 56. Hauser, 2004e, p. 41, Fig. 44, nos. a-d.

*Clithrocrinus pyriformis* (Kirk, 1937). Kirk, 1937b, p. 373. Bassler and Moodey, 1943, p. 366. Arendt, 1970a, p. 166, Fig. 47. Webster, 1977, p. 56.

Pennsylvanian, Atokan. United States, Alaska

**CLITHROECRINUS** Ausich and Kammer, 2008 \**Clitheroecrinus wrighti* Ausich and Kammer, 2008

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

New Genus B Ausich and Kammer, 2006, p. 104. Ausich and Kammer, 2008a, p. 165.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, late Tournaisian, Chadian. United Kingdom

\**Clitheroecrinus wrighti* Ausich and Kammer, 2008a, p. 165, Figs. 8.9, nos 3-4; 8.10, no. 2.

*Megistocrinus globosus*? (Phillips, 1836), Wright, J., 1955 (part) p. 191, Pl. 48, figs. 1-4, 8. Ausich and Kammer, 2008, p. 165.

New Genus B Ausich and Kammer, 2006, p. 101. Ausich and Kammer, 2008a, p. 166.

Mississippian, late Tournaisian, Chadian. United Kingdom, Lancashire

**CLITHROCRINUS** Kirk, 1937 = **CLISTOCRINUS**

*Clithrocrinus concinnus* Arendt, 1970 = *Clistocrinus concinnus*

*Clithrocrinus pyriformis* (Kirk, 1937) = *Clistocrinus pyriformis*

**CLONOCRINUS** Quenstedt, 1876. \**C. gothlandicus* Quenstedt, 1876.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrintoidea, F. Clonocrinidae

Quenstedt, 1876, p. 638. Bather in Lankester, 1900, p. 162. Springer in Zittel, 1913, p. 190. Springer, 1921a, p. 3. Springer, 1926a, p. 34. Bassler, 1938, p. 68.

Bassler and Moodey, 1943, p. 366. Moore and Laudon, 1943b, p. 98, Fig. 17.

Moore and Laudon, 1944, p. 200. Ubags, 1953, p. 742. Webster, 1973, p. 82.

Ubaghs *in* Moore and Teichert, 1978, p. T495. Witzke and Strimple, 1981, p. 126,

Fig. 16, no. B. Webster, 1986, p. 98. Webster, 1988, p. 56.

*CORYMBOCRINUS* Angelin, 1878, p. 18. \**Eucalyptocrinus polydactylus* M'Coy, 1849, p. 249. Zittel, 1880, p. 345, 373. Wachsmuth and Springer, 1885, p. 106 (328). Zittel, 1895, p. 132. Koken, 1896, p. 285. Wachsmuth *in* Zittel, 1900, p. Weller, S., 1900, p. 99. Bassler, 1915, p. 281. Bassler, p. 73. Bassler and Moodey, 1943, p. 367.

*POLYPELTES* Wachsmuth and Springer, 1885, p. 108 (330). Bassler and Moodey, 1943, p. 367.

Named, currently recognized species based on cups or crowns: 13 species. 12

Silurian, 9 Wenlockian, 3 Niagaran; 1 Devonian, Lochkovian

Silurian, Wenlockian. Sweden, United Kingdom

Silurian, Niagaran; Devonian, Helderbergian. United States

*CLONOCRINUS* Oehlert, 1879 (*non* Quenstedt, 1876) = **MELOCRINITES**

*Clonocrinus bigsbyi* Oehlert, 1879 = *Melocrinites bigsbyi*

*Clonocrinus chicagoensis* (Weller, 1900). Bassler and Moodey, 1943, p. 367.

*Corymbocrinus chicagoensis* Weller, S., 1900, p. 100, Pl. 4, figs. 1-3. Bassler, 1915, p. 281. Bassler and Moodey, 1943, p. 367.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Clonocrinus corolliferus* (Hisinger, 1840). Bassler and Moodey, 1943, p. 367.

*Cyathocrinites? corolliferus* Hisinger, 1840, p. 6, Pl. 39, figs. 3a-3e.

*Cyathocrinus? corolliferus* (Hisinger, 1840). Bronn, 1848, p. 366. Bigsby, 1868, p. 196. Bassler and Moodey, 1943, p. 367.

*Cyathocrinus corolliferus* (Hisinger, 1840). Bigsby, 1868, p. 196.

*Cyathocrinus corolliferus* (Hisinger, 1840). Bronn, 1848, p. 366.

*Corymbocrinus corolliferus* (Hisinger, 1840). Angelin, 1878, p. 18, Pl. 23, fig. 19. Bassler and Moodey, 1943, p. 367.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Clonocrinus gothlandicus* Quenstedt, 1876, p. 638, Pl. 112, fig. 62. Bassler and Moodey, 1943, p. 367. Ubaghs *in* Moore and Teichert, 1978, p. T495, Fig. 298, nos. 1a-1b.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Clonocrinus grandis* (Angelin, 1878). Bassler and Moodey, 1943, p. 367.

*Corymbocrinus grandis* Angelin, 1878, p. 18, Pl. 9, figs. 2-2a, 3. Bassler and Moodey, 1943, p. 367.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Clonocrinus grandistellatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 367.

*Corymbocrinus grandistellatus* Angelin, 1878, p. 18, Pls. 9, fig. 4; 23, figs. 18, 21. Bassler and Moodey, 1943, p. 367.

Silurian, Wenlockian. Sweden, Isle of Gotland



- Clonocrinus granulatus* (Angelin, 1878) = *Polypeltes granulatus*
- Clonocrinus klintbergi* Jaekel, 1918, p. 31, Fig. 23. Bassler and Moodey, 1943, p. 367.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Clonocrinus laevis* (Angelin, 1878). Bassler and Moodey, 1943, p. 367.  
*Corymbocrinus laevis* Angelin, 1878, p. 18, Pl. 23, fig. 20. Bassler and Moodey, 1943, p. 367.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- ?*Clonocrinus macropetalus* (Hall, 1859). Goldring, 1923, p. 153, Pl. 20, fig. 10.  
Bassler and Moodey, 1943, p. 367.  
*Mariacrinus macropetalus* Hall, 1859a, p. 11, Pl. 3, figs. 1-2. Shumard, 1868, p. 380. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 260. Bassler and Moodey, 1943, p. 367.  
Devonian, Lochkovian (Helderbergian), Becraft Limestone. United States, New York
- Clonocrinus niagarensis* (Weller, 1900). Bassler and Moodey, 1943, p. 367.  
*Corymbocrinus niagarensis* Weller, S., 1900, p. 101, Pl. 4, figs. 4-5. Bassler, 1915, p. 281. Bassler and Moodey, 1943, p. 367.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Clonocrinus occidentalis* Springer, 1926a, p. 34, Pl. 7, figs. 18-18a. Bassler and Moodey, 1943, p. 367. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 12. Moore and Laudon, 1944, p. 201, Pl. 73, figs. 13, 24. Webster, 1973, p. 82.  
Silurian, Niagaran, Decatur Limestone. United States, Tennessee
- Clonocrinus panderi* (Angelin, 1878). Bassler and Moodey, 1943, p. 367.  
*Corymbocrinus panderi* Angelin, 1878, p. 18, Pls. 9, fig. 5; 23, figs. 17- 17b.  
Bassler and Moodey, 1943, p. 367.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Clonocrinus polydactylus* (M'Coy, 1849). Bather in Lankester, 1900, p. 162, Fig. 76.  
Bassler and Moodey, 1943, p. 368. Ubaghs in Moore and Teichert, 1978, p. T171, Fig. 144, no. 1. Webster, 1986, p. 98. Donovan et al., 2008a, p. 39, Fig. 2, no. D. Donovan et al, 2012, p. 177, Pl. 46, fig. 1.  
*Eucalyptocrinus polydactylus* M'Coy, 1849, p. 249. M'Coy, 1854, p. 110.  
*Eucalyptocrinus polydactylus* M'Coy, 1849. Roemer, C. F. in Bronn and Roemer, 1851, p. 260. M'Coy, 1854, p. 58, Pl. 1-D, fig. 2. Bassler, 1938, p. 68, 73.  
Bassler and Moodey, 1943, p. 368.  
*Corymbocrinus polydactylus* (M'Coy, 1849). Angelin, 1878, p. 18, Pls. 9, figs. 1, 6-12; 21, fig. 17. Weller, S., 1900, p. 31, Figs. 15, 31. Bassler and Moodey, 1943, p. 368.  
*Hypanthocrinus polydactylus* (M'Coy, 1849). Bigsby, 1868, p. 21. Salter, 1873, p. 120.  
Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom, Scotland;  
Sweden, Isle of Gotland

*Clonocrinus secretus* Milicina, 2000a, p.59, Pl. 9, figs. 1-2; Fig. 5. Milicina, 2000b, p. 63, Pl. 8, figs. 1-2; Fig. 5.

Silurian, early Wenlockian, "Fragmental" Limestone; late Wenlockian, Elkino Horizon. Russia, east slope Ural Mountains.

*Clonocrinus* sp. Ubaghs *in* Moore and Teichert, 1978, p. T140, T159, T495, Figs. 112, no. 1; 131, no. 1; 298, nos. 1c-1d. Webster, 1986, p. 99.

Silurian, Wenlockian. Sweden, Isle of Gotland

**CLOSTEROCRINUS** Hall, 1852. \**C. elongatus* Hall, 1852.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae

Hall, 1852a, p. 179. Pictet, 1857, p. 329. Dujardin and Hupé, 1862, p. 149.

Shumard, 1868, p. 359. Bigsby, 1868, p. 18. Zittel, 1880, p. 380. Miller, S. A., 1889, p. 232. Bassler, 1915, p. 248. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 368. Moore and Laudon, 1943b, p. 51. Arendt and Hecker, 1964, p. 85. Webster, 1973, p. 82. Lane and Moore *in* Moore and Teichert, 1978, p. T583.

Webster, 1986, p. 99. McIntosh, 1987b, p. 1217. Webster, 1993, p. 39.

**GLOSTEROCRINUS** Wachsmuth and Springer, 1886, p. 231 (405). Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 368.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Silurian, Niagaran. United States, New York

\**Closterocrinus elongatus* Hall, 1852a, p. 179, Pl. A-41, figs. 2a-2f. Dujardin and Hupé, 1862, p. 150. Shumard, 1868, p. 359. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 232. Bassler, 1915, p. 248. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 368. Lane and Moore *in* Moore and Teichert, 1978, p. T583, Fig. 375, no. 4.

Webster, 1986, p. 99. McIntosh, 1987b, p. 1218, Figs. 1-2. Webster, 1993, p. 39. Silurian, Niagaran, upper part of Irondequoit Limestone. United States, New York

Clusters of imperforate ossicles, judged to be parts of crinoid anal sacs Lane, N. G., 1976b, p. 241, Figs. 4, 8-9. Webster, 1986, p. 322.

Pennsylvanian, Missourian, Lane Shale. United States, Missouri

**CNEMECCRINUS** Guensburg and Sprinkle, 2003. \**Cnemecrinus fillmorensis* Guensburg and Sprinkle, 2003.

Sbc. Camerata, O. ?Diplobathrida, F. Reteocrinidae  
Guensburg and Sprinkle, 2003a, p. 21.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Tremedocian species

Ordovician, late Tremedocian. United States, Utah.

\**Cnemecrinus fillmorensis* Guensburg and Sprinkle, 2003a, p. 21, Pls. 6, figs. 1-4; 9, figs. 1-2; Fig. 9.

Ordovician, late Tremadocian, middle part of Fillmore Formation. United States, Utah

**COCCOCRINUS** Müller, 1855 = **AMBLACRINUS**

*Coccocrinus bacca* Roemer, 1860 = *Lyoniacrinus bacca*

*Coccocrinus conicus* Wood, 1909 = *Coccocrinus? conicus*

*Coccocrinus? conicus* Troost in Wood 1909. Bassler and Moodey, 1943, p. 368.  
Ausich,

2009a, suppl., p. 12.

*Coccocrinus conicus* Troost in Wood (*Cupellacrinites conicus* Troost MS), 1909, p. 29, Pl. 15, fig. 1. Bassler, 1915, p. 248.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Coccocrinus dubius* (Rowley, 1904) = *Clematocrinus dubius*

*Coccocrinus moravicus* Remes, 1929 = *Amblacrinus moravicus*

*Coccocrinus rosaceus* Müller in Zeiler and Wirtgen, 1855 = *Amblacrinus rosaceus*

Codiocrinacean Genus C Sevastopulo, 2008, p. 59, Fig. 3.1, nos. 2-3.

Mississippian, late Viséan. Ireland

Codiocrinid? indeterminate Itano et al., 2003, p. 91, Fig. 5, no. 3.

Pennsylvanian, late Atokan, Minturn Formation. United States, Colorado

Codiocrinidae? Le Maitre, 1958 = *Codiacrinus piriformis* Le Menn, 1997

**CODIACRINUS** Schultze, 1866. \**C. granulatus* Schultze, 1866.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae, Sbf. Codiocrininae

Schultze, 1866, p. 31 (adv. pub.). Schultze, 1867, p. 143. Zittel, 1880, p. 344, 364.

Wachsmuth and Springer, 1886, p. 228 (152). Follmann, 1887, Pl. 3, fig. 1.

Bather, 1890b, p. 324. Zittel, 1895, p. 135. Jaekel, 1895a, p. 63. Bather in

Lankester, 1900, p. 177. Wachsmuth in Zittel, 1900, p. 158. Springer, 1913, p.

221. Schmidt, W. E., 1934, p. 71. Bassler, 1938, p. 69. Bassler and Moodey,

1943, p. 368. Moore and Laudon, 1943b, p. 50, Fig. 4. Ubaghs, 1953, p. 751.

Yakovlev, 1954b, p. 1088, Fig. I, no. v. Yakovlev, 1956a, p. 90, Fig. 36, no. 3.

Yakovlev, 1958, p. 75, Fig. 36, no. 3. Yakovlev, 1964a, p. 83, Fig. 38, no. 3.

Yakovlev, 1964b, p. 57, Fig. 59, no. v. Arendt and Hecker, 1964, p. 85. Lane, N.

G., 1967b, p. 11, Fig. 4. Webster, 1973, p. 82. Lane and Moore in Moore and

Teichert, 1978, p. T596. Haude, 1981, p. 198, Fig. 11. Jell and Holloway, 1983, p.

16. Webster, 1986, p. 99. Webster, 1988, p. 56. Webster, 1993, p. 39. Le Menn,

1997a, p. 133. Hauser, 1997, p. 17, Fig. 4. Jell and Jell, 1999, p. 230. Hauser,

2001, p. 96, Fig. 78 (Misspelled as *Codacrinus*). Hauser, 2003, p. 30, Fig. 43.

Südkamp, 2011, p. 243.

**ELICRINUS** Prokop, 1973. \**E. procerus* Prokop, 1973.

Prokop, 1973, p. 221. Frest and Strimple, 1977c, p. 147, Fig. 2. Webster, 1977, p. 76. Lane and Moore *in* Moore and Teichert, 1978, p. T606. Webster, 1986, p. 137. Prokop and Petr, 1989a, p. 131, Fig. 5, no. B. Webster, 1993, p. 54.

**ELIOCRINUS** Hauser, 2003, p. 31 (sic)

Named, currently recognized species based on cups or crowns: 10 species. 1 Silurian/Devonian Transition, Pridoli - Lochkovian; 9 Devonian, 1 Lochkovian, 1 Pragian, 4 Emsian, 1 Eifelian, 1 Frasnian, 1 Famennian  
Late Silurian, Pridoli - Early Devonian, Lochkovian, Late Devonian, Frasnian.

Australia

Early - Middle Devonian, Emsian, Eifelian. Germany, Spain

Early Devonian, Emsian. Algeria

Devonian, Pragian - Emsian. Czech Republic

Devonian, Emsian, Famennian. Morocco

\**Codiocrinus granulatus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 144, Pl. 3, fig. 9. Oehlert, 1897, p. 827, Pl. 26, fig. 8. Oehlert, 1902, p. 97, Pl. 3, fig. 8. Bassler, 1938, p. 69. Bassler and Moodey, 1943, p. 368. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Figs. 384, no. 4; 385, no. 7. Webster, 1986, p. 99. Hauser, 1998, p. 17, Pl. 5, figs. 1, 3-4. Hauser, 2001, p. 25, 96, Pl. 10, fig. 2; Fig. 79. Hauser, 2003, p. 31, Figs. 45-47. Südkamp, 2011, p. 243, Fig. 6i.  
Devonian, Eifelian, Junkerberg Formation. Germany; Spain

*Codiocrinus* sp. aff. *C. granulatus* Schultze, 1866. Hauser *in* Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 14.

Devonian, boundary beds of Emsian – Eifelian, Moniello Formation. Spain

*Codiocrinus nicolli* Jell and Jell, 1999, p. 230, Fig. 27, nos. A-O. Hauser, 2003, p. 30, Pl.

2, figs. 1-5; Figs. 44, 52. Südkamp, 2011, p. 243, Fig. 6j.

Devonian, late Frasnian, Virgin Hills Formation, *linguiformis* Conodont Biozone.

Australia, Western Australia

*Codiocrinus ornatus* (Prokop, 1973). Südkamp, 2011, p. 243.

*Elicrinus ornatus* Prokop, 1973, p. 222, Pl. 2, figs. 1-5; Fig. 1, no. B. Webster, 1977, p. 76. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 54. Hauser, 2003, (sic) p. 31, Fig. 51. Südkamp, 2011, p. 243.

Devonian, early Emsian, Zlichov Formation. Czech Republic, Bohemia

*Codiocrinus piriformis* Le Menn, 1997a, p. 135, Pl. 4, figs. 10-11.

*Codiocrinidae?* Le Maitre, 1958b, p. 141, Pl. 2, fig. 4; Fig. 3. Webster, 1973, p. 272 (theca). Le Menn, 1997b, p. 135. Südkamp, 2011, p. 243, Fig. 6h.

Devonian, Emsian? (Coblentzian or Couvinian). Morocco

*Codiocrinus procerus* (Prokop, 1973). Südkamp, 2011, p. 243, Fig. 6c.

*Elicrinus procerus* Prokop, 1973, p. 222, Pl. 1, figs. 1-5; Fig. 1 no. A. Webster, 1977, p. 76. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 393, no. 2.

- Webster, 1986, p. 137. Prokop and Petr, 1990, p. 41, Pl. 8, figs. 3-6. Webster, 1993, p. 54. Südkamp, 2011, p. 243.  
*Eliocrinus procerus* Parokop, 1973. Hauser, 2003, (sic) . 31, Fig. 50.  
 Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic, Bohemia
- Codiocrinus rarus* Jell and Holloway, 1983, p. 16, Fig. 9, nos. E-F. Webster, 1988, p. 56. Hauser, 2003, p. 32, Fig. 53. Südkamp, 2011, p. 243, Fig. 6a.  
 Late Silurian - Early Devonian, Pridoli – Lochkovian, Dargile Formation-Humevale Formation transition beds. Australia, Victoria
- Codiocrinus robustus* Le Menn, 1997a, p. 134, Pl. 4, figs. 12-13, 15.  
 Lecanocrinidae? Le Maitre, 1958 b, p. 145, Pl. 1, figs. 11-13 (theca). Webster, 1973, p. 275. Le Menn, 1997b, p. 134. Südkamp, 2011, p. 243, Fig. 6g.  
 Devonian, late Emsian, Chefar El Ahmar Formation. Algeria
- Codiocrinus schultzei* Follmann, 1887, p. 123, Pl. 2, figs. 1-1b. Opitz, 1931, p. 167, Fig. 4. Opitz, 1932, p. 108, Figs. 7, 100. Schmidt, W. E., 1934, p. 71, Pls. 7, figs. 1-2; 27, fig. 1; Fig. 14. Opitz, 1935, Fig. 4. Bassler and Moodey, 1943, p. 368. Fischer and Gayard-Valy, 1978, p. 101, Fig. 101. Turek, 1988, p. 375, Fig. 2. Bartels, 1994, p. 51, Fig. 27. Bartels and Brassel, 1990, p. 163, Figs. 33; 148, no. c. Bartels, Briggs, and Brassel, 1998, p. 106, Fig. 81, p. 193, Fig. 170. Bartels, 1998, p. 43, Unum. Fig. Südkam, 1995a, p. 118, unnumbered fig. p. 118. Südkamp, 1997, p. 237, Figs. 8 unnumbered. Hauser, 2003, p. 32, Fig. 54. (misspelled as *C. schulzei*). Südkamp, 1989a, p. 11, Fig. D-11. Südkamp, 2011, p. 243, Figs. 1-5, 6f, 7, 9-12.  
 Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Codiocrinus secundus* Jell, 1999a, p. 69, Figs. 55-56. Hauser, 2003, p. 33, Fig. 56.  
 Südkamp, 2011, p. 243, Fig. 6b.  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria
- ?*Codiocrinus weyeri* (Webster et al., 2005). Südkamp, 2011, p. 243.  
*Elicrinus? weyeri* Webster, Becker, and Maples, 2005, p. 1061, Fig. 5, nos. 5-7.  
 Südkamp, 2011, p. 243  
 Devonian, Famennian, IV-B. Morocco
- Codiocrinus* sp. A. Le Menn, 1987a, p. 224, Pl. 2, fig. 17. Webster, 1993, p. 39. Hauser, 2003, p. 31, Fig. 48.  
 Devonian, late Lochkovian – early Pragian (late Gedinnian - early Siegenian), Saint-Céneré Formation. France
- Codiocrinus* spp.  
 Breimer, 1962a, p. 159, Pl. 15, fig. 15. Webster, 1973, p. 82. Hauser, 2003, p. 32, Fig. 55. Südkamp, 2011, p. 243, Fig. 6e.  
 Devonian, Emsian. Spain  
 Bartels, Briggs, and Brassel, 1998, p. 41, Fig. 26.  
 Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*CODONOCRINITES* Troost, 1850 = ***PTEROTOCRINUS***

*Codonocrinites gracilis* Troost, 1850 = *Pterotocrinus acutus*

*CODONOCRINUS* Shumard, 1866 = ***PTEROTOCRINUS***

***COELIOCRINUS*** White, 1863. \**Poteriocrinus dilatatus* Hall, 1861.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Cercidocrinidae

White, C. A., 1863, p. 498. Meek and Worthen, 1866a, p. 181. Shumard, 1868, p. 360. Zittel, 1880, p. 344, 371. Wachsmuth and Springer, 1880, p. 63, 161 (286, 354). Wachsmuth and Springer, 1886, p. 191, 244 (115, 168). Miller, S. A., 1889, p. 233. Zittel, 1895, p. 137. Wachsmuth *in* Zittel, 1900, p. 160. Springer *in* Zittel, 1913, p. 223. Wanner, 1924, p. 178. Springer, 1926b, p. 65. Bassler, 1938, p. 70.

Bassler and Moodey, 1943, p. 368. Moore and Laudon, 1943b, p. 56, Fig. 6. Moore and Laudon, 1944, p. 159. Webster, 1973, p. 82. Moore and Strimple *in* Moore and Teichert, 1978, p. T652. Webster, 1986, p. 99. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 39. Webster et al., 2009, p. 35.

Named, currently recognized species based on cups or crowns: 5 species. 4 Mississippian, Viséan; 1 Permian, Sakmarian Mississippian, Viséan (Osagean). United States, New Mexico, Iowa

*Coeliocrinus arenaceus* Webster et al., 2009, p. 35, Pl. 1, figs. 22-24. Permian, Sakmarian, Saiwan Formation. Oman

*Coeliocrinus cariniferous* (Worthen, 1873) = *Linocrinus cariniferous*

*Coeliocrinus cariniferus* (Worthen, 1873) = *Linocrinus cariniferus*

\**Coeliocrinus dilatatus* (Hall, 1861). White, C. A., 1863, p. 501. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 233. Whitfield, 1893b, p. 33, Pl. 3, fig. 18. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 185. Springer, 1926b, p. 86, Pl. 24, figs. 9-13. Bassler and Moodey, 1943, p. 369.

*Poteriocrinus dilatatus* Hall, 1861a, p. 300. Hall, 1861b, p. 6. Hall, 1861c, p. 300. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 185. Bassler, 1938, p. 70. Bassler and Moodey, 1943, p. 369. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 7. Moore and Laudon, 1944, p. 159, Pl. 55, fig. 18. Webster, 1973, p. 82. Moore and Strimple *in* Moore and Teichert, 1978, p. T653, Fig. 427, nos. 1a-1d. Webster, 1986, p. 99.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, New Mexico

*Coeliocrinus lyra* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 233. Weller, S., 1898c, p. 185. Springer, 1926b, p. 88. Bassler and Moodey, 1943, p. 369. Moore and Laudon, 1944, p. 159, Pl. 57, fig. 1. Webster, 1973, p. 82.

- Zeacrinus lyra* Meek and Worthen, 1870a, p. 152. Meek and Worthen, 1873, p. 432, Pl. 1, fig. 11. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 185. Bassler and Moodey, 1943, p. 369.
- Poteriocrinites (Zeacrinus) lyra* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 369.
- Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone; Nada Member, Borden Formation. United States, Iowa, Kentucky
- Coeliocrinus subspinosus* White, C. A., 1863, p. 501. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 233. Weller, S., 1898c, p. 185. Springer, 1926b, p. 86, Pl. 25, figs. 2, 3. Bassler and Moodey, 1943, p. 369. Moore and Laudon, 1944, p. 159, Pl. 59, fig. 1. Webster, 1973, p. 82. Lee, Ausich, and Kammer, 2005, p. 351.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Coeliocrinus ventricosus* (Hall, 1861). White, C. A., 1863, p. 501. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 233. Weller, S., 1898c, p. 185. Springer, 1926b, p. 86, Pls. 24, figs. 1-8; 25, fig. 1. Bassler and Moodey, 1943, p. 369. Moore and Laudon, 1944, p. 159, Pl. 55, fig. 20. Webster, 1973, p. 82. Moore and Strimple *in* Moore and Teichert, 1978, p. T653, Fig. 427, nos. 1e-1f. Webster, 1986, p. 99.
- Poteriocrinus ventricosus* Hall, 1861a, p. 301. Hall, 1861b, p. 6. Hall, 1861c, p. 301. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 185. Bassler and Moodey, 1943, p. 369.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, New Mexico
- Coeliocrinus* n. sp. Whidborne, 1898 = Genus and species indet. Lane, Maples, and Waters, 2001
- Coeliocrinus?* sp. Whidborne; Schmidt, 1930 = Genus and species indet. Lane, Maples, and Waters, 2001
- Coeliocrinus* spp.  
Weller, 1909, p. 280, Pl. 11, fig. 27 (as *Coeliocrinus* cf. *ventricosus* on plate explanation).  
Mississippian, Tournaisian (Kinderhookian), Fern Glen Formation. United States, Missouri  
Howell, 1995, p. 100, Pl. 5, fig. 13.  
No age or locality given
- Coelocrinid? indet. Webster and Jell, 1992, p. 319, Fig. 1.  
Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin
- Coelocrinidae indet. Brower, 1970, p. 511, unfig. Webster, 1977, p. 56.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or Mooney Falls Member. United States, Arizona

**COELOCRINUS** Meek and Worthen, 1865. \**Actinocrinus (Amphoracrinus) concavus* Meek and Worthen, 1861.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Coelocrinidae

Meek and Worthen, 186a, p. 214. Meek and Worthen, 1866b, p. 273. Zittel, 1879, p. 371. Bather *in* Lankester, 1900, p. 167. Springer *in* Zittel, 1913, p. 196. Bassler, 1938, p. 70. Bassler and Moodey, 1943, p. 369. Ubaghs, 1953, p. 740. Webster, 1973, p. 83. Lane *in* Moore and Teichert, 1978, p. T471. Webster, 1986, p. 99. Lane and Sevastopulo, 1987, p. 204. Webster, 1993, p. 39.

**SPHAEROCRINUS** Meek and Worthen, 1865b (*non* Roemer, 1858), p. 154. Shumard, 1868, p. 396. Miller, S. A., 1889, p. 282. Zittel, 1895, p. 135. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 369.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (middle Osagean). United States, Iowa

**COELOCRINUS** Salter, 1866 (*non* Meek and Worthen, 1865) = **RHAPHANOCRINUS**

\**Coelocrinus concavus* (Meek and Worthen, 1861). Meek and Worthen, 1866a, p. 215, Pl. 15, figs. 10, 10a-c; Fig. 16. Miller, S. A., 1889, p. 233. Weller, S., 1898c, p. 89. Bassler and Moodey, 1943, p. 369. Lane *in* Moore and Teichert, 1978, p. T471, Fig. 277, no. 2. Webster, 1986, p. 99.

*Actinocrinus (Amphoracrinus) concavus* Meek and Worthen, 1861, p. 132. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 89. Bassler and Moodey, 1943, p. 369.

*Actinocrinus concavus* Meek and Worthen, 1861. Bassler, 1938, p. 70, 172.

*Actinocrinus (Sphaerocrinus) concavus* Meek and Worthen, 1861. Meek and Worthen, 1865b, p. 154. Weller, S., 1898c, p. 89.

*Aorocrinus concavus* (Meek and Worthen, 1861). Wachsmuth and Springer, 1897, p. 482, Pl. 42, figs. 13a-c. Weller, S., 1898c, p. 89. Bassler and Moodey, 1943, p. 369.

*Dorycrinus concavus* (Meek and Worthen, 1861). Miller, S. A., 1889, p. 240.

Mississippian, Viséan (middle Osagean), Burlington Limestone. United States, Iowa

*Coelocrinus immaturus* Bather, 1900 = *Aorocrinus immaturus*

**COENARTHROPTERUM** Moore, 1939. *Nomen vetitum* \**Eratocrinus elegante* Hall, 1858.

Moore, 1939b, p. 247. Jeffords *in* Moore and Teichert, 1978, p. T936. (brachial plates)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Iowa, Kansas

\**Coenarthropterum elegante* (Hall, 1858) = *Eratocrinus elegans*

*Coenarthropterum corrugatum* Moore, 1939b, p. 247, Pl. 4, figs. 2a-2c (brachial).



Pennsylvanian, Missourian, Checkerboard? Limestone. United States, Kansas

**COENOCRINUS** Valette, 1934. \**C. elegans* Valette, 1934.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Stachyocrinidae

Valette, 1934, p. 94. Bassler, 1938, p. 70. Bassler and Moodey, 1943, p. 369. Moore and Laudon, 1943b, p. 104. Webster, 1973, p. 281. Jeffords *in* Moore and Teichert, 1978, p. 935.

**Note.** Bassler and Moodey, 1943, reported the genus and both species to be based on columnals. The species *C. elegans* Valette, 1934, is based on a columnal, which I consider a distal columnal of the cup that *C. solignaci* is based upon. I consider the two species synonyms and accept Bassler and Moodey's assignment of the type species to *C. elegans*, the practice at the time.

**TEBAGACRINUS** Termier, H. and Termier, G., 1958, p. 51. \**Coenocrinus solignaci* Valette, 1934. Webster, 1973, p. 255. Jeffords *in* Moore and Teichert, 1978, p. 935.

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. Tunisia

\**Coenocrinus elegans* Valette, 1934, p. 94, Pl. 1, figs. 2a-2b. Bassler, 1938, p. 70. Bassler and Moodey, 1943, p. 369. Branson, 1948, p. 187. Termier, H. and Termier, G., 1958, p. 53. Webster, 1973, p. 255.

*Coenocrinus solignaci* Valette, 1934, p. 95, Pl. 1, figs. 3a-3d. Bassler and Moodey, 1943, p. 370. Branson, 1948, p. 188. Termier, H. and Termier, G., 1958, p. 52. Webster, 1973, p. 255.

*Tebagacrinus solignaci* (Valette, 1934). Termier, H. and Termier, G., 1958, p. 52, Pl. 1, figs. a-c, h-i, (figs. h-i columnals). Webster, 1973, p. 255.

Permian, Wordian. Tunisia

*Coenocrinus solignaci* Valette, 1934 = \**Coenocrinus elegans*

**COENOCYSTIS** Peck, 1936 = **COENOCYSTIS**

*Coencystis moreyi* Peck, 1936 = *Desmacriocrinus moreyi*

**COENOCYSTIS** Girty, 1908. \**C. richardsoni* Girty, 1908.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Codiocrinoidea, F. Streblocrinidae

Girty, 1908, p. 108. Bather, 1913a, p. 897. Wanner, 1924, p. 141. Wanner, 1929, p. 40. Moore and Plummer, 1940, p. 391. Bassler and Moodey, 1943, p. 370.

Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 188. Cuénot, 1948, p. 64. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Figs. 3, 7 (fig. 7 given as fig. 8). Arendt, 1970a, p. 178. Strimple, Allison, and Kline, 1971, p. 13.

Webster, 1973, p. 83. Webster, 1977, p. 56. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 100. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 39.

**COENCYSTIS** Peck, 1936, p. 289. Bassler and Moodey, 1943, p. 370.  
 Named, currently recognized species based on cups or crowns: 5 species, 1  
 Pennsylvanian, Atokan; 4 Permian, 1 Guadalupian, 3 series uncertain  
 Pennsylvanian, Atokan. United States, Alaska  
 Permian, Guadalupian. United States, Texas  
 Permian, series uncertain. West Timor

*Coenocystis angulosa* Wanner, 1929, p. 79, Pl. 6, figs. 11-14; Fig. 15, nos. a-b.  
 Bassler and Moodey, 1943, p. 370. Branson, C. C., 1948, p. 188. Webster,  
 1977, p. 56.

*Coenocystis angulosus* Wanner, 1929. Arendt, 1970a, p. 179, Fig. 55.  
 Permian, series uncertain. West Timor, Basleo

*Coenocystis angulosus* Wanner, 1929 = *Coenocystis angulosa*

*Coenocystis moreyi* Peck, 1936 = *Desmacriocrinus moreyi*

*Coenocystis perforata* Wanner, 1929, p. 80, Pl. 6, fig. 15; 7, figs. 1-12. Bassler and  
 Moodey, 1943, p. 370. Branson, C. C., 1948, p. 188. Arendt, 1970a, p. 179.  
 Webster, 1977, p. 56.

Permian, series uncertain. West Timor, Basleo

\**Coenocystis richardsoni* Girty, 1908, p. 108, Pl. 27, figs. 19-22. Wanner, 1920, p. 23,  
 Figs. 7, 13. Moore and Plummer, 1940, p. 391, Fig. 79. Bassler and Moodey,  
 1943, p. 370. Branson, C. C., 1948, p. 188. Arendt, 1970a, p. 178, Fig. 54.  
 Webster, 1977, p. 57. Lane and Moore *in* Moore and Teichert, 1978, p. T603,  
 Figs. 388, no. 4; 390, no. 2. Webster, 1986, p. 100.

*Coenocystites richardsoni* (Girty, 1908). Strimple, Allison, and Kline, 1971, p. 13.  
 Permian, Guadalupian. United States, Texas

*Coenocystis somoholensis* Wanner, 1924, p. 161, Pl. 8, figs. 18-19; Fig. 13. Bassler  
 and Moodey, 1943, p. 370. Branson, C. C., 1948, p. 188. Arendt, 1970a, p.  
 178. Webster, 1977, p. 57.

Permian, series uncertain. West Timor

*Coenocystis timmeri* Strimple, Allison, and Kline, 1971, p. 14, Figs. 4, nos. 14-15; 5,  
 no. 1. Webster, 1977, p. 57.

Pennsylvanian, Atokan?. United States, Alaska

*Coenocystites richardsoni* (Girty, 1908) = *Coenocystis richardsoni*

**COLLICRINUS** Ausich and Kammer, 2009. \**Collicrinus shumardi* Ausich and Kammer,  
 2009.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
 Platycrininitidae

Ausich and Kammer, 2009, p. 712.

Named, currently recognized species based on cups or crowns: 5 Mississippian  
 species, 2 Tournaisian, 3 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian, early-middle Osagean). United States

*Collicrinus altidorsatus* (Rowley and Hare, 1891). Ausich and Kammer, 2009, p. 712.

*Platycrinus alti-dorsatus* Rowley and Hare, 1891a, p. 97, Pl. 2, fig. 2. Weller, S., 1898c, p. 433.

*Platycrinites altidorsatus* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 615.

*Platycrinus altidorsatus* Rowley and Hare, 1891. Miller, S. A., 1892a, p. 681.

Weller, S., 1898c, p. 433. Bassler and Moodey, 1943, p. 615.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri (**Note**. Originally cited as from the upper part of the Burlington Limestone, Ausich and Kammer cite it as from the lower part of the Burlington Limestone, GDW)

*Collicrinus formosus* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 713.

*Platycrinus formosus* Miller and Gurley, 1895b, p. 72, Pl. 4, figs. 20-21. Miller, S.

A., 1897, p. 750, Fig. 1376. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 620. Ausich and Kammer, 2009, p. 713.

*Platycrinites formosus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 620. Ausich and Kammer, 2009, p. 713.

*Platycrinus formosus* var. *approximatus* Miller and Gurley, 1896b, p. 60, Pl. 4, figs.

8-11. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 620. Ausich and Kammer, 2009, p. 713.

*Platycrinites formosus approximatus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 620. Ausich and Kammer, 2009, p. 713.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri (**Note**. Ausich and Kammer, 2009, p. 713 consider the material to be from the early Osagean [Viséan], lower part of the Burlington Limestone at Chouteau, Missouri.)

\**Collicrinus shumardi* Ausich and Kammer, 2009, p. 712, Figs. 3.4-3.6

*Platycrinites yandelli* (Owen and Shumard, 1850). Wachsmuth and Springer, 1897, (in part) p. 706-707, Pls. 66, fig. 6a; 68, figs. 3a-3c, only.

Mississippian, Viséan (early Osagean), lower part of Burlington Limestone. United States, Iowa

*Collicrinus subscitulus* (Miller and Gurley, 1896). Ausich and Kammer, 2009, p. 712.

*Platycrinus subscitulus* Miller and Gurley, 1896b, p. 62, Pl. 4, figs. 12-15. Miller and Gurley, 1897, p. 750. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 627.

*Platycrinites subscitulus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 627.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Collicrinus? turgurium* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 712.

*Platycrinus turgurium* Miller and Gurley, 1895b, p. 70, Pl. 4, figs. 17-19. Miller, S. A., 1897, p. 750, Fig. 1377. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 628.

*Platycrinites turgurium* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 628. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

**COLPODECRINUS** Sprinkle and Kolata, 1982. \**C. quadrifidus* Sprinkle and Kolata, 1982.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Dendrocrinoidea, F. Colpodecrinidae

Sprinkle and Kolata, 1982, p. 207. Webster, 1988, p. 56. Ausich, 1998b, p. 34. Rozhnov, 2002, p. S538, Fig. 10 (diagramatic).

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian (Champlainian). United States, Oklahoma

\**Colpodecrinus quadrifidus* Sprinkle and Kolata, 1982, p. 207, Pl. 22, figs. 1-16; Fig. 57, nos. A-H. Webster, 1988, p. 56.

Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Colpodecrinus* spp.

Sprinkle and Kolata, 1982, p. 211, Pl. 22, figs. 17-20. Webster, 1988, p. 56. Middle Ordovician, "Ottosee Group". United States, Tennessee

Sprinkle and Guensburg, 1997, p. 214. Fig. 7. Middle Ordovician. United States

**COLUMBIACRINUS** Ulrich, 1925 = **COLUMBICRINUS**

*Columbiacrinus crassus* Ulrich in Foerste, 1925 = *Columbicrinus crassus*

**COLUMBICRINUS** Ulrich, 1925. \**C. crassus* Ulrich, 1925.

Sbc. Disparida, O. Homocrinida, F. Columbicrinidae

Ulrich in Foerste, 1925, p. 91 (1924). Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 370. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Moore, 1962b, p. 14, Fig. 5, no. 5. Philip, 1965a, p. 148, Fig. 1, no. C. Webster, 1973, p. 83. Moore and Lane in Moore and Teichert, 1978, p. T549. Kelly, 1982, p. 289, Fig. 9, nos. 2, 8. Guensburg, 1984, p. 43. Webster, 1986, p. 100. Webster, 1988, p. 56. Ausich, 1998b, p. 27.

**PRAECURSORICRINUS** Frest, Strimple, and McGinnis, 1979, p. 408, Fig. 2, no. D.

\**P. sulphurensis* Frest, Strimple, and McGinnis, 1979. Warn, 1982, p. 84.

Guensburg, 1984, p. 44. Webster, 1986, p. 262. Ausich, 1998b, p. 27 (recognizes genus).

**COLUMBIACRINUS** Ulrich, 1925. Webster, 1993, p. 39.

Named, currently recognized species based on cups or crowns: 2 Ordovician species, 1 Sandbian, 1 Sandbian – Katian

Ordovician, Sandbian – Katian. United States, Tennessee, Oklahoma

\**Columbicrinus crassus* Ulrich in Foerste, 1925, p. 91, Fig. 8 (1924). Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 370. Warn and Strimple, 1977, p. 31, Pl. 2, figs. 6-7. Ubaghs in Moore and Teichert, 1978, p. T115, Fig. 88, no. 4. Moore and Lane in Moore and Teichert, 1978, p. T549, Fig. 342, no. 4. Guensburg, 1984, p. 44, Pls. 7, figs. 3-5, 10-13, 16; 8, figs. 1-2, 4, 6-10, 17; Fig. 7. Rozhnov, 1985b, p. 6, Fig. 2, no. d. Rozhnov, 1986, p. 3, Fig. 2, no. d. Webster, 1986, p. 100. Webster, 1988, p. 57. Guensburg, 1992, p. 131, Figs. 1, nos. 1-2, 4, 8; 2 (diagramatic); 8, no. 1; 16, no. f. Simms in Hess et al., 1999 p. 35, Fig. 57, nos. a-b. Rozhnov, 2002, p. S557, Fig. 25, no. d (diagramatic).

*Columbiacrinus crassus* Ulrich in Foerste, 1925. Webster, 1993, p. 40.

Ordovician, Sandbian – Katian, Lebanon Limestone. United States, Tennessee

*Columbicrinus sulphurensis* (Frest, Strimple, and McGinnis, 1979). Guensburg, 1984, p. 44. Webster, 1988, p. 57.

*Praecursoricrinus sulphurensis* Frest, Strimple, and McGinnis, 1979, p. 410, Pl. 1, figs. 6-10, 12. Warn, 1982, p. 84, Pl. 5, figs. 21-22; Fig. 22. Guensburg, 1984, p. 44. Webster, 1986, p. 262. Webster, 1988, p. 57.

Ordovician, Sandbian (Black Riverian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Columbicrinus* sp. Guensburg et al, 2010, p. 435, Fig. 5, no. f.

Age not given

**COMANTHOCRINUS** Springer, 1921. \**Stereocrinus indianensis* Miller and Gurley, 1897.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Dolatocrinidae

Springer, 1921a, p. 3, Figs. 1-2. Goldring, 1923, p. 190. Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 370. Moore and Laudon, 1943b, p. 99. Moore and Laudon, 1944, p. 201. Ubaghs, 1953, p. 742. Webster, 1973, p. 83. Ubaghs in Moore and Teichert, 1978, p. T498. Webster, 1986, p. 100.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Emsian, 1 Givetian

Middle Devonian. United States, New York, Kentucky

\**Comanthocrinus indianensis* (Miller and Gurley, 1897). Springer, 1921a, p. 6, Pl. 1, figs. 1-6. Goldring, 1923, p. 192, Pl. 24, figs. 5-8. Bassler and Moodey, 1943, p. 370. Moore and Laudon, 1944, p. 201, Pl. 75, fig. 21. Webster, 1973, p. 83.

*Stereocrinus indianensis* Miller and Gurley, 1897, p. 38, Pl. 3, figs. 13-15. Miller, S. A., 1897, p. 753. Rowley S. S., 1904b, p. 182, Pl. 54, figs. 7-8. Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 370. Ubaghs in Moore and Teichert, 1978, p. T498, Fig. 302, no. 1. Webster, 1986, p. 100.

Devonian, Givetian (Hamilton), Sellersburg Limestone, Moscow Shale. United States, Indiana, New York

*Comanthocrinus priscus* Springer, 1921a, p. 7, Pl. 1, figs. 7-10. Goldring, 1923, p. 197, Pl. 24, fig. 9. Bassler and Moodey, 1943, p. 370.

Devonian, Emsian – Eifelian undesignated (Onondagan), Jeffersonville Limestone.  
United States, Kentucky, New York

**COMPAGICRINUS** Jobson and Paul, 1979. \**C. fenestratus* Jobson and Paul, 1979.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf.  
Dendrocrinoidea, F. Dendrocrinidae  
Jobson and Paul, 1979, p. 73. Kelly, 1982, p. 288, Figs. 6, no. 2; 8, nos. 1-2.  
Webster, 1986, p. 100. Rozhnov, 1988, p. 67, Fig. 2, nos. g-d. Webster, 1988,  
p. 56. Rozhnov, 1989, p. 62, Fig. 2, nos. d-e. Webster, 1993, p. 40. Ausich,  
1998b, p. 34. Webster and Maples, 2006, p. 191, Fig. 1, no. B.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian  
species  
Ordovician, Floian (Arenigian). North Greenland

\**Compagicrinus fenestratus* Jobson and Paul, 1979, p. 73, Fig. 206, no. 7b. Webster,  
1986, p. 100. Donovan, 1988c, p. 238. Webster, 1993, p. 40.  
Ordovician, Floian (Arenigian), Nunatami Formation. North Greenland

Complete crinoid Wright, D. K., 1983, p. 587, Pl. 65, fig. 2. Webster, 1988, p. 57.  
Ordovician, Floian, Gorllwyn Slate. United Kingdom

Complete crinoids Terry, 1992, p. 13, Fig. 19, no. E.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

**COMPSOCRINUS** Miller, S. A., 1883. \**Glyptocrinus harrisi* Miller, S. A., 1881.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F.  
Tanaocrinidae  
Miller, S. A., 1883b, p. 219. Miller, S. A., 1889, p. 234. Wachsmuth and Springer,  
1897, p. 516. Bather *in* Lankester, 1900, p. 165. Springer *in* Zittel, 1913, p. 194.  
Bassler, 1915, p. 262. Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 371.  
Moore and Laudon, 1943b, p. 90, Fig. 13. Moore and Laudon, 1944, p. 189, Pl.  
71, fig. 5. Ubaghs, 1953, p. 738. Spreng and Parks, 1953, p. 588, Figs. 7, no. c;  
8, no. f. Brower, 1973, p. 443. Webster, 1973, p. 83. Webster, 1977, p. 57.  
Ubaghs *in* Moore and Teichert, 1978, p. T440. Webster, 1986, p. 100. Eckert  
and  
Brett, 2001, p. 25.  
Named, currently recognized species based on cups or crowns: 4 species. 1  
Ordovician, Hirnantian; 2 Ordovician – Silurian, Katian – Llandoveryan, 1 Silurian,  
Llandoveryan  
Late Ordovician - Early Silurian, Katian – Llandoveryan (Cincinnati – Albion).  
United States, Ohio, Illinois

\**Compsocrinus harrisi* (Miller, 1881). Miller, S. A., 1883, p. 234. Miller, S. A., 1889, p.  
234, Figs. 271-272. Wachsmuth and Springer, 1897, p. 269, Pl. 21, figs. 8a-8b.  
Delage and Herouard, 1903, p. 384, Fig. 470. Bassler, 1915, p. 262. Foerste,  
1924, p. 103, Pl. 6, figs. 1a-1c. Bassler and Moodey, 1943, p. 371. Spreng and  
Parks, 1953, p. 590, Fig. 6. Brower, 1974a, p. 20, unfig. Webster, 1977, p. 57.  
Ubaghs *in* Moore and Teichert, 1978, p. T126, T440, Figs. 98, no. 3; 250, no. 2.

- Webster, 1986, p. 100.
- Glyptocrinus harrisi* Miller, S. A., 1881a, p. 74, Pl. 1, figs. 4-4a. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 262. Bassler, 1938, p. 71. Bassler and Moodey, 1943, p. 371. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 2. Moore and Laudon, 1944, p. 189, Pl. 75, fig. 20. Ubaghs, 1953, p. 738, Fig. 20, no. c. Webster, 1973, p. 83. *Mariacrinus harrisi* (Miller, 1881). Wachsmuth and Springer, 1885, p. 311, 326 (104). James, 1897, p. 118. Bassler, 1915, p. 262.  
Ordovician, Katian, - Silurian, Llandoveryan (Richmondian), Waynesville Limestone. United States, Ohio
- Compsocrinus miamiensis* (Miller, 1883). Wachsmuth and Springer, 1897, p. 518, Pl. 21, figs. 7-7b. ?James, 1897, p. 113. Bassler, 1915, p. 263. Bassler and Moodey, 1943, p. 371. Moore and Laudon, 1944, p. 189, Pl. 75, fig. 19. Webster, 1973, p. 83. Brower, 1974a, p. 20. Webster, 1986, p. 101.  
*Glyptocrinus miamiensis* Miller, S. A., 1883a, p. 324, Pl. 1, fig. 1. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 263. Bassler and Moodey, 1943, p. 371.  
Ordovician, Katian - Silurian, Llandoveryan, Waynesville Limestone. United States, Ohio
- Compsocrinus nodosus* Brower, 1973, p. 443, Pl. 79, fig. 3; Fig. 41. Webster, 1977, p. 57.  
Ordovician, Hirnantian, Cincinnati, Girardeau Limestone. United States, Missouri, Illinois
- Compsocrinus nuntius* Perner in Zelizko, 1911b, p. 6. (*nomem nudum*). Bassler and Moodey, 1943, p. 371. (An eocrinoid, GDW)
- Compsocrinus relictus* Eckert and Brett, 2001, p. 26, Pl. 3, figs. 1-4, 8, 10-13; Fig. 7. Silurian, middle Llandoveryan, Bear Creek Shale. United States, New York
- CONDYLOCRINUS** Eichwald, 1860. \**C. verrucosus* Eichwald, 1860.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Eichwald, 1860, p. 612. Bigsby, 1868, p. 18. Zittel, 1880, p. 380. Wachsmuth and Springer, 1881, p. 220 (394). Tschernyschew, 1893, p. 93. Miller, S. A., 1889, p. 234. Bather in Lankester, 1900, p. 201. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 371. Moore and Laudon, 1943b, p. 83. Ubaghs, 1953, p. 737. Arendt, 1971b, p. 42, Unnum. Pl. diagram p. 42. Webster, 1973, p. 83. Webster, 1977, p. 57. Ubaghs in Moore and Teichert, 1978, p. T424. Webster, 1986, p. 101.  
Named, currently recognized species based on cups or crowns: 1 Early Devonian, series undesignated  
Early Devonian. Russia, Ural Mountains
- \**Condylocrinus verrucosus* Eichwald, 1860, p. 612, Pl. 31, figs. 51a-51b. Bigsby, 1868, p. 18. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 371. Arendt, 1971b, p. 43, Unnum. Plate with 4 figs. Webster, 1977, p. 57. Ubaghs in Moore and Teichert, 1978, p. T424, Fig. 233, no. 1. Webster, 1986, p. 101.

Early Devonian, series not given, *Orthoceras* Limestone. Russia, northern Urals

**CONICOCYATHOCRINITES** Frest, 1977. \**Cyathocrinus wilsoni* Springer, 1926.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.  
 Cyathocrinitoidea, F. Cyathocrinitidae  
 Webster and Maples, 2006, p. 205. Webster and Maples, 2008, p. 412. Ausich and  
 Copper, 2010, p. 48.  
*Cyathocrinites (Conicocyathocrinites)* Frest, 1977, p. 120. Webster, 1986, p. 112.  
 Named, currently recognized species based on cups or crowns: 4 Silurian species, 2  
 Wenlockian, 2 Niagaran  
 Silurian, Niagaran, Wenlockian. United States; Sweden

*Conicocyathocrinites decatur* (Springer, 1926).

*Cyathocrinus decatur* Springer, 1926a, p. 134, Pl. 31, fig. 3. Bassler and Moodey,  
 1943, p. 389. Frest, 1977, p. 121. Webster, 1986, p. 112.

*Cyathocrinites decatur* (Springer, 1926). Bassler and Moodey, 1943, p. 389.

*Cyathocrinites (Conicocyathocrinites) decatur* (Springer, 1926). Frest, 1977, p. 121.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Conicocyathocrinites longimanus* (Angelin, 1878).

*Cyathocrinus longimanus* Angelin, 1878, p. 22, Pl. 20, figs. 4, 6?-7 (*non* Pl. 26, figs.  
 4-5). Zittel, 1880, p. 351, Fig. 238, nos. a-c. Steinmann and Döderlein, 1890, p.  
 165, Fig. 164, no. B. Bather, 1893a, p. 142, Pl. 7, figs. 234-242. Lahusen, 1895,  
 p. 147, Fig. 196. Bather *in* Lankester, 1900, p. 120, Figs. 26, no. 5. Wachsmuth  
*in* Zittel, 1900, p. 156, Fig. 260, no. a. Steinmann, 1903, p. 181, Fig. 252, no. B.  
 Steinmann, 1907, p. 202, Fig. 287, no. B. Gurich, 1908, p. 44, Pl. 13, fig. 2.  
 Bassler and Moodey, 1943, p. 892. Frest, 1977, p. 121. Webster, 1977, p. 112.

*Cyathocrinites longimanus* (Angelin, 1878). Bassler and Moodey, 1943, p. 892.

Ubaghs, 1953, p. 750, Fig. 14, no. f. Webster, 1973, p. 95.

*Cyathocrinus ramosus* Angelin, 1878, Pl. 20, figs. 2-3 (*non* fig. 1). Bassler and  
 Moodey, 1943, p. 892.

*Cyathocrinites (Conicocyathocrinites) longimanus* (Angelin, 1878). Frest, 1977, p.  
 121. Webster, 1986, p. 112.

Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom

*Conicocyathocrinites ramosus* (Angelin, 1878).

*Cyathocrinus ramosus* Angelin, 1878, p. 22, Pl. 20, fig. 1 (*non* figs. 2-3). Zittel,  
 1880, p. 338, Fig. 232, nos. a-b. Steinmann and Döderlein, 1890, p. 165, Fig.  
 164, no. A. Bather, 1893a, p. 146, Pl. 8, figs. 248-260; Fig. 20. Zittel, 1895, p.  
 121, Fig. 234, nos. a-b. Weller, S., 1900, p. 31, Figs. 14, 30. Bather *in*  
 Lankester, 1900, p. 128, Fig. 43. Wachsmuth *in* Zittel, 1900, p. 130, 156, Figs.  
 234, nos. a-b; 260, nos. b-c. Steinmann, 1903, p. 181, Fig. 252, no. A. Delage  
 and Herouard, 1903, p. 379, Fig. 452. Steinmann, 1907, p. 202, Fig. 287, no. A.  
 Bassler and Moodey, 1943, p. 395. Sieverts-Doreck, 1952, p. 422, Fig. 4.  
 Webster, 1973, p. 96. Frest, 1977, p. 121. Webster, 1986, p. 112.

*Cyathocrinites ramosus* (Angelin, 1878). Bassler and Moodey, 1943, p. 395.

Ubaghs, 1953, p. 750, Fig. 21, no. g. Webster, 1973, p. 96.



*Cyathocrinus alutaceus* Angelin, 1878, Pl. 23, figs. 10-11 (*non* Pl. 4, fig. 6a).

Bassler and Moodey, 1943, p. 395.

*Cyathocrinus laevis* Angelin, 1878, Pl. 26, figs. 2-2a (*non* figs. 3a-3b). Bassler and Moodey, 1943, p. 395.

*Cyathocrinus longimanus* Angelin, 1878, Pl. 20, figs. 4-5 (*non* Pl. 26, figs. 4-5).

Neumayr, 1889, p. 472, Figs. 142, no. b; 143. Zittel, 1895, p. 135, Fig. 260, nos. a-e. Bassler and Moodey, 1943, p. 395.

*Cyathocrinus zonatus* Angelin, 1878, p. 22, Pl. 6, fig. 5. Bassler and Moodey, 1943, p. 395.

*Cyathocrinites (Conicocyathocrinites) ramosus* (Angelin, 1878). Frest, 1977, p. 121. Webster, 1986, p. 112.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Conicocyathocrinites wilsoni* (Springer, 1926). Webster and Maples, 2008, p. 412.

*Cyathocrinus wilsoni* Springer, 1926a, p. 134, Pl. 31, figs. 3-3a. Bassler and Moodey, 1943, p. 396. Frest, 1977, p. 121. Webster, 1986, p. 113.

*Cyathocrinites wilsoni* (Springer, 1926). Bassler and Moodey, 1943, p. 396. Moore and Laudon, 1944, p. 154, Pl. 54, fig. 21. Webster, 1973, p. 96.

*Cyathocrinites (\*Conicocyathocrinites) wilsoni* (Springer, 1926). Frest, 1977, p. 121. Webster, 1986, p. 113.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

**CONOCRINITES** Troost, 1850 = **ALLOPROSALLOCRINUS**

*Conocrinites leae* Troost, 1850 = *Alloprosallocrinus leae* = *A. conicus*

*Conocrinites tuberculatus* Troost, 1850 = *Alloprosallocrinus tuberculatus* = *A. conicus*

**CONOCRINUS** Shumard, 1866 = **ALLOPROSALLOCRINUS**

*Conocrinus leae* Troost, 1849 = *Alloprosallocrinus conicus*

**CONTIGNATINDOCRINUS** Arendt, 1981. \**Indocrinus contignatus* Wanner, 1931.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Arendt, 1981, p. 72. Webster, 1988, p. 57.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Contignatindocrinus contignatus* (Wanner, 1931). Arendt, 1981, p. 72, Figs. 19, nos. v-d; 25, no. e. Webster, 1988, p. 57.

*Indocrinus contignatus* Wanner, 1931, p. 7, Pl. 2, figs. 1-3. Bassler and Moodey, 1943, p. 523. Branson, C. C., 1948, p. 197. Webster, 1988, p. 57.

Permian, series uncertain. West Timor, Basleo

**CONTOCRINUS** Knapp, 1969. \**Graphiocrinus stantonensis* Strimple, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Graphiocrinidae

Knapp, 1969, p. 355. Strimple and Moore, 1971a, p. 12. Webster, 1977, p. 57. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707. Pabian and Strimple, 1980a, p. 178. Webster, 1986, p. 101. Webster, 1993, p. 40. Pabian and Strimple, 1993, p. 26. Pabian and Rushlau, 2002, p. 36.

Named, currently recognized species based on cups or crowns: 10 species. 8 Pennsylvanian, 1 Desmoinesian, 1 Desmoinesian – Missourian, 3 Missourian, 1 Missourian – Virgilian, 2 Virgilian; 2 Permian, 1 Artinskian, 1 Wolfcampian Pennsylvanian, Desmoinesian - Permian, Wolfcampian. United States Permian, Artinskian. Thailand

*Contocrinus andamanensis* Webster and Jell, 1993, p. 355, Fig. 2, nos. E-H. Pabian and Rushlau, 2002, p. 36.  
Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Muk Island

*Contocrinus? bridgeportensis* (Strimple, 1951). Knapp, 1969, p. 355. Webster, 1977, p. 57. Pabian and Rushlau, 2002, p. 36.  
*Graphiocrinus bridgeportensis* Strimple, 1951a, p. 201, Pl. 37, figs. 9-12. Strimple, 1962f, p. 137. Knapp, 1969, p. 355. Webster, 1973, p. 141. Webster, 1977, p. 57.  
Pennsylvanian, Missourian, Lake Bridgeport Shale, Brownwood Shale. United States, Texas

*Contocrinus coupi* Strimple and Moore, 1971a, p. 13, Pls. 3, fig. 6; 7, figs. 3a-c; Fig. 6, no. 3. Webster, 1977, p. 57. Pabian and Rushlau, 2002, p. 36.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Contocrinus deflectus* (Strimple, 1962). Knapp, 1969, p. 355. Webster, 1977, p. 57.  
*Graphiocrinus deflectus* Strimple, 1962e, p. 11, Pl. 7, figs. 8-10. Knapp, 1969, p. 355. Webster, 1973, p. 141. Webster, 1977, p. 57. Pabian and Rushlau, 2002, p. 36.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Contocrinus delicatulus* (Moore, 1939). Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, nos. 1i-1k. Webster, 1986, p. 101.  
*Graphiocrinus delicatulus* Moore, 1939c, p. 248, Pl. 9, figs. 6a-6c; Fig. 22, no. a. Bassler and Moodey, 1943, p. 496. Strimple, 1962f, p. 137. Knapp, 1969, p. 363. Webster, 1973, p. 141. Webster, 1977, p. 121.  
*Palmatocrinus? delicatulus* (Moore, 1939). Knapp, 1969, p. 363. Webster, 1977, p. 121.  
Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

*Contocrinus invaginatus* Pabian and Strimple, 1980b, p. 13, Pl. 4, figs. 4-6. Webster, 1986, p. 101. Pabian and Rushlau, 2002, p. 36.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member, Doniphan Shale Member; Oread Formation, Plattsmouth Limestone Member. United States, Iowa, Nebraska

*Contocrinus kingi* (Moore and Plummer, 1940). Knapp, 1969, p. 355. Webster, 1977, p. 58. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, nos. 1g-1h. Pabian and Strimple, 1980a, p. 178, Fig. 9, nos. D-F, J. Webster, 1986, p. 101. Pabian and Rushlau, 2002, p. 36.

*Graphiocrinus kingi* Moore and Plummer, 1940, p. 315, Pl. 3, fig. 8. Bassler and Moodey, 1943, p. 496. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 18. Strimple, 1962f, p. 137. Knapp, 1969, p. 355. Webster, 1973, p. 142. Webster, 1977, p. 58.

Pennsylvanian, Desmoinesian - Missourian, Argentine Limestone; Mineral Wells Formation. United States, Iowa, Nebraska, Texas

*Contocrinus lineatus* (Strimple, 1963). Knapp, 1969, p. 355. Webster, 1977, p. 58. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, nos. 1a-1c. Webster, 1986, p. 101. Pabian and Rushlau, 2002, p. 36.

*Graphiocrinus lineatus* Strimple, 1963c, p. 191, Figs. 1-3. Knapp, 1969, p. 355. Webster, 1973, p. 142. Webster, 1977, p. 58.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Contocrinus scopulus* (Lane and Webster, 1966). Pabian and Strimple, 1974a, p. 312. Webster, 1986, p. 101. Pabian and Rushlau, 2002, p. 36.

*Graphiocrinus scopulus* Lane and Webster, 1966, p. 46, Pl. 10, figs. 4, 8. Webster and Lane, 1967, p. 26, Pl. 4, figs. 1-3. Webster, 1973, p. 142. Pabian and Strimple, 1974a, p. 312. Webster, 1986, p. 101.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Contocrinus* sp. cf. *scopulus* (Lane and Webster, 1966). Pabian and Strimple, 1974a, p. 312, Pl. 40, figs. 1-3. Webster, 1986, p. 102.

Permian, Wolfcampian. United States, Nebraska

\**Contocrinus stantonensis* (Strimple, 1939). Knapp, 1969, p. 355. Webster, 1977, p. 58. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, nos. 1d-1f. Webster, 1986, p. 102. Pabian and Strimple, 1993, p. 26, Fig. 11, nos. d-f, h-j. Pabian and Rushlau, 2002, p. 36.

*Graphiocrinus stantonensis* Strimple, 1939, p. 12 (372), Pl. 2, figs. 11-12. Bassler and Moodey, 1943, p. 497. Strimple, 1962f, p. 137, Figs. 1-3. Knapp, 1969, p. 355. Webster, 1973, p. 143. Webster, 1977, p. 58.

Pennsylvanian, Missourian - Virgilian, Wann Formation; Stanton Limestone; South Bend Limestone. United States, Oklahoma, Kansas

*Contocrinus* sp. cf. *stantonensis* (Strimple, 1939). Pabian and Rushlau, 2002, p. 37, Fig. 12, nos. 7-8.

Pennsylvanian, Deer Creek Formation, Ervine Creek Limestone Member. United States, Nebraska

*Contocrinus?* sp. indet. Hashimoto, 1984, p. 16, Pl. 8, figs. 1a-1c; Fig. 5, nos. 9a-9b.  
Webster, 1993, p. 40.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

**COQUINACRINUS** Webster and Becker, 2009. \**Coquinacrinus revimentus* Webster and Becker, 2009.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinoida, Spf. Glossocrinoidea, F. Amabilicrinidae

Webster and Becker, 2009, p. 141.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, late Frasnian. Morocco

\**Coquinacrinus revimentus* Webster and Becker, 2009, p. 141, Fig. 5, nos. A-N.

Devonian, late Frasnian, *Carinoceras* beds, Anou Smaira Formation. Morocco

**CORALCRINUS** Gil Cid, Alonso, and Pobes, 1998. \**Coralcrinus sarachagorum* Gil Cid, Alonso, and Pobes, 1998.

Sbc. Disparida, F. Eustenocrinidae

Gil Cid, Alonso, and Pobes, 1998, p. 118. Ausich, Gil Cid, and Domínguez Alonso, 2002, p. 987.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian, early Llandeilian. Spain

*Coralcrinus sarachagae* Gil Cid, Domínguez Alonso, and Silván, 1998 = *Coralcrinus sarachagorum*

\**Coralcrinus sarachagorum* Gil Cid, Domínguez Alonso, and Silván, 1998. Ausich, Gil Cid, and Domínguez Alonso, 2002, p. 988, Figs. 5.6-5.7, 8.5.

*Coralcrinus sarachagae* Gil Cid, Domínguez Alonso, and Silván, 1998, p. 119, Pl. 1, figs. 1-5; Fig. 2. Ausich, Gil Cid, and Domínguez Alonso, 2002, p. 988.

Ordovician, Darriwilian, late early Llandeillian, Pizarras Guindo Formation. Spain

**CORDYLOCRINUS** Angelin, 1878. \**C. comtus* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

Angelin, 1878, p. 3. Zittel, 1880, p. 344, 365. Wachsmuth and Springer, 1881, p. 60 (234). Wachsmuth and Springer, 1886, p. 15 (337). Zittel, 1895, p. 127.

Wachsmuth and Springer, 1897, p. 775. Bather *in* Lankester, 1900, p. 156.

Wachsmuth *in* Zittel, 1900, p. 139. Springer *in* Zittel, 1913, p. 199. Bassler, 1915,

p. 276. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 371. Moore and Laudon, 1943b, p. 101. Moore and Laudon, 1944, p. 203. Ubaghs, 1953, p. 743.

Webster, 1973, p. 83. Ubaghs *in* Moore and Teichert, 1978, p. T512. Webster, 1986, p. 102. Webster, 1988, p. 57. Donovan et al., 2012, p. 217.

Named, currently recognized species based on cups or crowns: 3 species. 1 Silurian,

Wenlockian; 2 Devonian, Helderbergian  
 Silurian, Wenlockian. Sweden  
 Devonian, Lochkovian (Helderbergian). United States, New York

\**Cordylocrinus comtus* Angelin, 1878, p. 3, Pl. 23, fig. 6. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 372. Ubaghs *in* Moore and Teichert, 1978, p. T512, Fig. 313, no. 3. Webster, 1986, p. 102.  
 Silurian, Wenlockian. Sweden, Isle of Gotland

*Cordylocrinus? dubius* Rowley, 1904 = *Coccocrinus dubius* = *Clematocrinus dubius*

*Cordylocrinus parvus* (Hall, 1859) = *Cordylocrinus plumosus*

*Cordylocrinus pectin* (Salter, 1873). Donovan et al., 2012, p. 217, Fig. 95.  
 Silurian, Wenlockian (Homerian), ?Much Wenlock Limestone Formation. United Kingdom, Scotland,

*Cordylocrinus plumosus* (Hall, 1859). Miller, S. A., 1889, p. 234. Wachsmuth and Springer, 1897, p. 737, Pl. 75, fig. 20. Talbot, 1905, p. 28, Pl. 3, figs. 2, 4; Fig. 3. Bassler, 1915, p. 277. Goldring, 1923, p. 273, Pl. 36, figs. 6-13. Bassler and Moodey, 1943, p. 372. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 3. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 27. Webster, 1973, p. 83. Ubaghs *in* Moore and Teichert, 1978, p. T86, Fig. 62, no. 2. Brett, 1981b, p. 363, Fig. 8, no. G. Webster, 1986, p. 102. Webster, 1988, p. 57. Brett *in* Hess et al., 1999 p. 107, Fig. 120.

*Platycrinus plumosus* Hall, 1859b, p. 113, Pl. 4, figs. 1-5. Shumard, 1868, p. 389. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 271. Bassler, 1915, p. 277. Bassler and Moodey, 1943, p. 372.

*Clematocrinus plumosus* (Hall, 1859). Jaekel, 1897, p. 47. Bassler, 1915, p. 277.  
*Platycrinus parvus* Hall, 1859b, p. 114, Pl. 4, figs. 6-9. Shumard, 1868, p. 389. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 271. Bassler, 1915, p. 277. Bassler and Moodey, 1943, p. 372.

*Cordylocrinus parvus* (Hall, 1859). Wachsmuth and Springer, 1881, p. 60. Wachsmuth and Springer, 1882, p. 234. Miller, S. A., 1889, p. 234. Wachsmuth and Springer, 1897, p. 737. Bassler, 1915, p. 277.

*Clematocrinus parvus* (Hall, 1859). Jaekel, 1897, p. 47. Bassler, 1915, p. 277.  
 Devonian, Lochkovian (Helderbergian), Coeymans Limestone. United States, New York

*Cordylocrinus ramulosus* (Hall, 1859). Miller, S. A., 1889, p. 234. Wachsmuth and Springer, 1897, p. 737. Bassler and Moodey, 1943, p. 372.

*Platycrinus ramulosus* Hall, 1859b, p. 115, Pl. 4, figs. 10-13. Shumard, 1868, p. 389. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 271. Bassler and Moodey, 1943, p. 372.

*Cordylocrinus? ramulosus* (Hall, 1859). Goldring, 1923, p. 276, Pl. 36, figs. 14-17. Bassler and Moodey, 1943, p. 372.  
 Devonian, Lochkovian (Helderbergian), Coeymans Limestone. United States, New

York

*Cordylocrinus? ramulosus* (Hall, 1859) = *Cordylocrinus ramulosus*

*Cordylocrinus* sp. nov. 1, Donovan et al., 2008a, p. 41, Fig. 3, no. F.  
Silurian, Wenlockian, Coalbrookdale Formation. United Kingdom

*Cordylocrinus rugobrachialis* Ramsbotton in Donovan et al., 2012, p. 218, Pl. 57, figs. 2-

3.

Silurian, Wenlockian (Homerian), ?Much Wenlock Limestone Formation. United Kingdom, Scotland

**COREMATOCRINUS** Goldring, 1923. \**C. plumosus* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Glossocrinidae

Goldring, 1923, p. 202. Bassler, 1938, p. 72. Bassler and Moodey, 1943, p. 372.

Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 167. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 83.

Webster, 1977, p. 58. Moore and Strimple *in* Moore and Teichert, 1978, p. T640.

Webster, 1986, p. 102. Webster et al., 2003, p. 15.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, Frasnian (Senecan). United States, New York

\**Corematocrinus plumosus* Goldring, 1923, p. 435, Pl. 56, figs. 6-9; Fig. 60. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 372. Moore and Laudon, 1944, p. 169, Pl. 58, fig. 7. Webster, 1973, p. 83. Moore and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 418, no. 6. Webster, 1986, p. 102.

Devonian, Frasnian (Senecan), lower part of Chemung Beds, Portage Sandstone, Gardeau Sandstone. United States, New York

**CORNUCRINUS** Regnéll, 1948. \**C. mirus* Regnéll, 1948.

Sbc. Hybocrinida, F. Cornuocrinidae

Ubaghs, 1953, p. 749. Moore, 1962b, p. 14, Fig. 8, no. 4. Webster, 1973, p. 83.

Strimple, 1975m, p. 53. Webster, 1977, p. 58. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 109, no. 7. Sprinkle and Moore *in* Moore and Teichert, 1978,

p. T574. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 102. Webster, 1988, p.

57. Webster, 1993, p. 40. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Katian species

Ordovician, Katian; - Silurian, Llandoveryan. Sweden

*Cornuocrinus longicornis* Regnéll, 1948, p. 21, Pl. 1, figs. 4-5. Regnéll, 1972, p. 30, Figs. 3-5. Webster, 1973, p. 83. Webster, 1977, p. 58. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T574, Fig. 366, nos. 1h-1i. Arendt, 1981, p. 164, Fig. 29, no. I. Rozhnov, 1985b, p. 5, Fig. 1, no. z. Rozhnov, 1986, p. 3, Fig. 1, no. H. Webster, 1986, p. 102. Webster, 1988, p. 57; . Webster, 1993, p. 40. Rozhnov,

2002, p. 585, Fig. 44, no. h.  
Ordovician, Katian; - Silurian, Llandoveryan, *Dalmanitina* Beds. Sweden

\**Cornucrinus mirus* Regnell, 1948, p. 14, Pls. 1, fig. 3; 2-4; Figs. 3, no. C; 4. Ubaghs, 1953, p. 749, Figs. 80, no. d; 145-147. Webster, 1973, p. 84. Sprinkle and Moore  
*in* Moore and Teichert, 1978, p. T574, Fig. 366, nos. 1a-1g. Arendt, 1981, p. 164, Fig. 29, nos. a, k. Webster, 1986, p. 102. Webster, 1988, p. 57.  
Ordovician, Katian. Sweden

**COROCRINUS** Goldring, 1923. \**C. ornatus* Goldring, 1923.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Goldring, 1923, p. 202. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 372.  
Moore and Laudon, 1943b, p. 92. Moore and Laudon, 1944, p. 191. Ubaghs, 1953, p. 739. Webster, 1973, p. 84. Macurda, 1974, p. 823, Figs. 1-2. Ubaghs *in* Moore and Teichert, 1978, p. T444. Webster, 1986, p. 103. Franke, C., 2012, p. 29.

Named, currently recognized species based on cups or crowns: 6 Devonian species, 2 Emsian, 4 Givetian,  
Early - Middle Devonian. North America  
Early Devonian. Spain, Germany

*Corocrinus calypso* (Hall, 1862). Baumiller and Gahn, 2002, p. 202, Fig. 2, nos. 2, 6.  
Gahn and Baumiller, 2003, p. 74, Fig. 3.

*Corocrinus? calypso* (Hall, 1862). Goldring, 1923, p. 205, Pl. 26, fig. 5. Goldring, p. 186, Pl. 1, figs. 8-10. Bassler and Moodey, 1943, p. 372.

*Actinocrinus calypso* Hall, 1862a, p. 105. Hall, 1862b, p. 133. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Wachsmuth and Springer, 1897, p. 483. Bassler and Moodey, 1943, p. 372.

*Gennaeocrinus calypso* (Hall, 1862). Miller, S. A., 1889, p. 247.

Devonian, Givetian (Hamiltonian), Moscow Shale; Arkona Beds. United States, New York; Canada, Ontario

*Corocrinus? calypso* (Hall, 1862) = *Corocrinus calypso*

*Corocrinus? grandosensis* Breimer, 1962a, p. 67, Pl. 7, figs. 8-12. Webster, 1973, p. 84.

Devonian, Emsian, Santa Lucia Limestone. Spain

*Corocrinus imbecillus* Schmidt, W. E., 1942, p. 97, Pl. 14, figs. 3-4. Webster, 1973, p. 84. Jell and Theron, 1999, p. 128, Fig. 12, nos. A-D

Devonian, Emsian, Gydo Formation. Germany; South Africa

*Corocrinus nodosus* Kier, 1952, p. 67, Pl. 4, figs. 2-3. Webster, 1973, p. 84. Kesling and Chilman, 1975, p. 166, Pl. 121, Figs. 19-25. Webster, 1986, p. 103. Brett *in* Hess et al., 1999 p. 134, Fig. 141.

Devonian, Givetian (Erian), Silica Formation. United States, Ohio

- \**Corocrinus ornatus* Goldring, 1923, p. 203, Pl. 26, figs. 2-4: Fig. 47. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 372. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 7. Moore and Laudon, 1944, p. 191, Pl. 74, fig. 3. Webster, 1973, p. 84. Ubaghs in Moore and Teichert, 1978, p. T516. Webster, 1986, p. 103.  
Devonian, Givetian (Hamiltonian), Ludlowville Shale. United States, New York
- Corocrinus pettyesi* Kesling, 1964c, p. 150, Pl. 2, figs. 1-7; Fig. 2. Webster, 1973, p. 84.  
Devonian, Givetian (Erian), Thunder Bay Limestone. United States, Michigan
- Corocrinus sampsoni* (Miller and Gurley, 1896) = *Aryballocrinus sampsoni*
- Corocrinus* sp. no. 1. Fraunfelner, 1974, p. 14, Pl. 1, figs. 26-27. Webster, 1986, p. 103.  
Devonian, Givetian, Lingle Limestone. United States, Missouri
- Corocrinus* sp. Franke, C., 2012, p.31, Pl. 12.  
Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge
- Corona antiqua* Waagen and Jahn, 1899, Pl. 79, figs. 23, nos. 1-3. Prokop and Petr, 1990, p. 13 (tabulate coral). Webster, 1993, p. 40.  
Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic
- CORONOCRINUS** Hall, 1859 = **HIMEROCRINUS?**
- Coronocrinus polydactylus* (Hall, 1859) = *Himerocrinus polydactylus*
- CORVUCRINUS** Ausich and Copper, 2010. \**Corvucrinus schucherti* Ausich and Copper, 2010.  
Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae  
Ausich and Copper, 2010, p. 68.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species  
Silurian, Llandoveryian. Canada, Quebec
- \**Corvucrinus schucherti* Ausich and Copper, 2010, p. 69. Pl. 12. figs. 11, 12; Figs. 11.4-11.5  
Silurian, Llandoveryian, Chicotte Formation. Canada, Quebec, Anticosti Island
- CORYMBOCRINUS** Angelin, 1878 = **CLONOCRINUS**
- Corymbocrinus chicagoensis* Weller, 1900 = *Clonocrinus chicagoensis*
- Corymbocrinus corolliferus* Hisinger, 1840 = *Clonocrinus corolliferus*
- Corymbocrinus grandis* Angelin, 1878 = *Clonocrinus grandis*



*Corymbocrinus grandistellatus* Angelin, 1878 = *Clonocrinus grandistellatus*

*Corymbocrinus laevis* Angelin, 1878 = *Clonocrinus laevis*

*Corymbocrinus niagarensis* Weller, 1900 = *Clonocrinus niagarensis*

*Corymbocrinus panderi* Angelin, 1878 = *Clonocrinus panderi*

*Corymbocrinus polydactylus* (M'Coy, 1849) = *Clonocrinus polydactylus*

**CORYNECRINUS** Kirk, 1934. \**C. romingeri* Kirk, 1934.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Gasterocomoidea, undesuF. Gasterocomidae

Kirk, 1934, p. 1. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 373. Moore and Laudon, 1943b, p. 51, Fig. 4. Ubaghs, 1953, p. 750. Moore, 1962b, p. 15, Fig. 10, no. 4. Webster, 1973, p. 84. Lane and Moore *in* Moore and Teichert, 1978, p. T585. Webster, 1986, p. 103.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian - Eifelian undesignated species

Devonian, Emsian - . United States, Indiana

\**Coryneocrinus romingeri* Kirk, 1934, p. 2, Pl. 1, figs. 1-4. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 373. Lane and Moore *in* Moore and Teichert, 1978, p. T585, Figs. 372, no. 6; 375, no. 8. Webster, 1986, p. 103.

Devonian, Emsian – Eifelian undesignated, Jeffersonville Limestone. United States, Indiana

**CORYTHOCRINUS** Kirk, 1946. \**C. insculptus* Kirk, 1946.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Corythocrinidae

Kirk, 1946c, p. 269, Pl. 40, fig. 1. Strimple and Watkins, 1969, p. 195. Webster, 1973, p. 84. Webster, 1977, p. 58. Moore and Strimple *in* Moore and Teichert, 1978, p. T655. Webster, 1986, p. 103. Lane and Sevastopulo, 1990, p. 336. Kammer and Ausich, 1992, p. 477. Webster, 1993, p. 40.

Named, currently recognized species based on cups or crowns: 4 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States, Indiana, Iowa

**CORYTHOCRINUS** Strimple, 1961 (*non* Kirk) = **ENDELOCRINUS**

*Corythocrinus bifidus* (Moore and Plummer, 1940) = *Tholiacrinus bifidus* = *Graffhamicrinus bifidus*

*Corythocrinus fragilis* Kirk, 1946c, p. 270, Pl. 40, figs. 5-7. Van Sant *in* Van Sant and Lane, 1964, p. 99. Webster, 1973, p. 84. Moore and Strimple *in* Moore and Teichert, 1978, p. T655, Fig. 428, nos. 3c-3d. Webster, 1986, p. 103. Kammer and Ausich, 1992, p. 477, Fig. 6.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States,

## Indiana

*Corythocrinus gracilis* Kirk, 1946c, p. 271, Pl. 40, fig. 4. Van Sant *in* Van Sant and Lane, 1964, p. 99. Webster, 1973, p. 84. Kammer and Ausich, 1992, p. 477. Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

\**Corythocrinus insculptus* Kirk, 1946c, p. 272, Pl. 40, figs. 2-3. Webster, 1973, p. 84. Moore and Strimple *in* Moore and Teichert, 1978, p. T655, Fig. 428, nos. 3a-3b. Webster, 1986, p. 103. Kammer and Ausich, 1992, p. 477. Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Corythocrinus parinodosarius* (Strimple, 1940) = *Tholiacrinus parinodosarius* = *Endelocrinus parinodosarius* = *Graffhamicrinus parinodosarius*

*Corythocrinus rectus* (Moore and Plummer), Strimple, 1961g = *Tholiacrinus rectus* = *Graffhamicrinus rectus*

*Corythocrinus tenuis* Kirk, 1946c, p. 273, Pl. 40, fig. 8. Webster, 1973, p. 84. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Corythocrinus undulatus* Strimple, 1961 = *Endelocrinus undulatus* = *Tholiacrinus undulatus* = *Graffhamicrinus undulatus*

**COSMETOCRINUS** Kirk, 1941. \**C. gracilus* Kirk, 1941.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Aphelecrinidae

Kirk, 1941b, p. 86. Bassler and Moodey, 1943, p. 373. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 159. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 84. Moore and Strimple *in* Moore and Teichert, 1978, p. T655. Webster, 1986, p. 104. Webster, 1988, p. 57. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 40. Kammer and Ausich, 1992, p. 476.

Named, currently recognized species based on cups or crowns: 5 species. 1

Devonian, Famennian; 3 Mississippian, 2 Viséan, 1 Serpukhovian; 1 Permian, Sakmarian or Artinskian

Devonian, Famennian. China,

Mississippian, Viséan – Serpukhovian (Osagean – Chesterian). United States

Mississippian, Tournaisian. United Kingdom

*Cosmetocrinus crawfordsvillensis* (Miller and Gurley, 1890) = *Paracosmetocrinus crawfordsvillensis* = *Hypselocrinus indianensis* = *Hypselocrinus hoveyi*

*Cosmetocrinus crineus* (Hall, 1863) = *Aphelecrinus crineus*

*Cosmetocrinus delicatus* (Meek and Worthen, 1870) = *Aphelecrinus delicatus*

*Cosmetocrinus dunlopi* (Wright, 1936). Ausich and Kammer, 2006, p. 104. Kammer and Ausich, 2007c, p. 140, unfig.

*Aphelecrinus dunlopi* (Wright, 1936). Kirk, 1944c, p. 193. Wright, J., 1951a, p. 43, Pls. 11, figs. 1, 5, 9; 13, figs. 2-4; Figs. 13-14. Webster, 1973, p. 55. Ausich and Kammer, 2006, p. 104.

*Pachylocrinus dunlopi* Wright, J., 1936, p. 401, Pl. 8, fig. 2; Figs. 25-26. Wright, J., 1939, p. 20, Pl. 7, figs. 1-9; Fig. 12. Bassler and Moodey, 1943, p. 580. Kirk, 1944c, p. 193. Webster, 1973, p. 55.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Cosmetocrinus elegantulus* (Wachsmuth and Springer, 1889) = *Aphelecrinus elegantulus*

*Cosmetocrinus eventus* (Strimple, 1953). Strimple, 1967, p. 81. Webster, 1973, p. 85. Burdick and Strimple, 1983b, p. 94, Figs. 1-2. Webster, 1988, p. 58.

*Carinocrinus eventus* Strimple, 1953b, p. 201, Figs. 1-2 (sic). Webster, 1973, p. 85.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma

*Cosmetocrinus extensus* Wright, 1951 = *Aphelecrinus extensus*

\**Cosmetocrinus gracilis* Kirk, 1941b, p. 87, Pl. 17, figs. 1-2. Bassler and Moodey, 1943, p. 373. Moore and Laudon, 1944, p. 159, Pl. 58, fig. 16. Webster, 1973, p. 85. Moore and Strimple *in* Moore and Teichert, 1978, p. T655, Fig. 428, no. 1. Webster, 1986, p. 104. Kammer and Ausich, 1992, p. 476. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 10.

Mississippian, Viséan (late Osagean), Edwardsville Limestone; Muldraugh Member, Borden Formation. United States, Indiana, Kentucky

*Cosmetocrinus indianensis* (Meek and Worthen, 1865) (part) = *Hypelocrinus indianensis*

*Cosmetocrinus indianensis* (Meek and Worthen, 1865) (part) = *Hypelocrinus hoveyi*

*Cosmetocrinus meeki* Kirk, 1941 (part) = *Aphelecrinus meeki*

*Cosmetocrinus meeki* Kirk, 1941 (part) = *Cosmetocrinus nanus*

*Cosmetocrinus? middalyaensis* Webster and Jell, 1992, p. 338, Fig. 14, no. A. Inadunate radial #7. Webster, 1987, p. 131, Fig. 16, no. N. Webster and Jell, 1992, p. 339. Webster, 1993, p. 72.

Permian, late Sakmarian or early Artinskian, Callytharra Limestone. Australia, Western Australia, Carnarvon Basin

*Cosmetocrinus nanus* (Meek and Worthen, 1870) = *Aphelecrinus meeki*

*Cosmetocrinus parvus* Lane, Waters, and Maples, 1997, p. 29, Figs. 9.11-9.13a, 10.2, 12.5-12.6.

Devonian, Famennian, Hongguleleng Formation, lower member, red limestones.  
China, Xinjiang-Uygur Autonomous Region

*Cosmetocrinus richfieldensis* (Worthen, 1882) = *Aphelecrinus richfieldensis*

*Cosmetocrinus* sp. Wright, 1951 = *Maevecrinus sladensis*

*Cosmetocrinus* spp.

Easton, 1942, p. 84, Pl. 3, fig. 6.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Arkansas

Laudon, Parks, and Spreng, 1952, p. 553, Pl. 65, fig. 28. Webster, 1973, p. 85.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Cosmetocrinus?* sp. Webster et al, 2004, p. 48, Pl. 11, figs. 8-12.

Mississippian, Serpukhovian, E1, El Guelmouna Formation, El Guelmouna  
Member. Algeria

**COSMOCRINUS** Jaekel, 1898. \**C. holzapfeli* Jaekel, 1898.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf.  
Dendrocrinoidea, F. Dendrocrinidae

Jaekel, 1898b, p. 28. Bather *in* Lankester, 1900, p. 179. Springer *in* Zittel, 1913,  
p. 221. Haarmann, 1921, p. 31. Bassler, 1938, p. 73. Bassler and Moodey,  
1943, p. 374. Moore and Teichert, 1978, p. T928.

Named, currently recognized species based on cups or crowns: 1 Late Devonian  
species, series not designated

Devonian, Frasnian. Germany

*Cosmocrinus dilatatus* Jaekel, 1898 = *Costalocrinus dilatatus*

\**Cosmocrinus holzapfeli* Jaekel, 1898b, p. 32. Bassler, 1938, p. 73. Bassler and  
Moodey, 1943, p. 374.

Devonian, Frasnian, Nehden Beds. Germany

*Cosmocrinus ornatissimus* (Hall, 1843) = *Hallocrinus ornatissimus*

**COSTALOCRINUS** Jaekel, 1918. \**Poteriocrinus dilatatus* Schultze, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf.  
Dendrocrinoidea, F. Botryocrinidae

Jaekel, 1918, p. 61. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 374. Moore  
and Laudon, 1943b, p. 54. Webster, 1973, p. 85. Moore and Lane *in* Moore and  
Teichert, 1978, p. T614. McIntosh, 1984, p. 1263. Webster, 1986, p. 104.  
Webster, 1988, p. 58. Kammer and Ausich, 1996, p. 852. Hauser, 1997, p. 60,  
Fig. 19. Hauser, 2001, p. 141, Fig. 121. Gahn and Kammer, 2002, p. 127.

Named, currently recognized species based on cups or crowns: 9 species. 8  
Devonian, 1 Pragian, 3 Emsian, 2 Eifelian, 2 Givetian; 1 Mississippian,

## Viséan

Devonian, Pragian - Givetian. Spain, Germany

Devonian, Emsian; Mississippian, Osagean. North America

*Costalocrinus conkini* McIntosh, 1984, p. 1264, Fig. 4, nos. H-I. Webster, 1988, p. 58.  
Devonian, Eifelian (Couvianian), Jeffersonville Limestone?. United States, Kentucky

*Costalocrinus consolidatus* (Schmidt, 1942). McIntosh, 1984, p. 1265. Webster, 1988,  
p.

58.

*Botryocrinus consolidatus* Schmidt, W. E., 1942, p. 125, Pl. 19, fig. 5; 25, fig. 8; Fig.  
35. Webster, 1973, p. 68. McIntosh, 1984, p. 1265. Webster, 1988, p. 58.

*Cyathocrinites* sp. Breimer, 1962. McIntosh, 1984, p. 1265. Webster, 1988, p. 58.  
Devonian, Emsian, Stadtfeld Beds; La Vid Shale. Germany; Spain

*Costalocrinus cornutus* (Owen and Shumard, 1850). McIntosh, 1984, p. 1275.

Webster, 1988, p. 58. Kammer and Ausich, 1996, p. 852, Figs. 6.14-6.16. Gahn  
and Kammer, 2002, p. 127. Lee, Ausich, and Kammer, 2005, p. 348.

*Cyathocrinus cornutus* Owen and Shumard, 1850, p. 63, Pl. 7, figs. 8a-8b. Owen  
and Shumard, 1852, p. 591, Pl. 5, figs. 8a-8b. Owen and Shumard, 1868, p. 362.  
Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 119. Bassler and Moodey, 1943,  
p. 317. McIntosh, 1984, p. 1275. Webster, 1988, p. 58. Kammer and Ausich,  
1996, p. 852.

*Baryocrinus cornutus* (Owen and Shumard, 1850). Meek and Worthen, 1868b, p.  
340. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 119. Bassler and Moodey,  
1943, p. 317. Kammer, 1984, p. 125, Fig. 3, nos. P-W. McIntosh, 1984, p. 1275.  
Webster, 1988, p. 42, 58. Kammer and Ausich, 1996, p. 852.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley  
Formation; Borden Formation, New Providence Shale Member, Nada Member;  
Fort Payne Formation. United States, Iowa, New Mexico, Kentucky, Indiana,  
Tennessee

\**Costalocrinus dilatatus* (Schultze, 1866). Jaekel, 1918, p. 61. Bassler and Moodey,  
1943, p. 374. Moore and Lane *in* Moore and Teichert, 1978, p. T614, Fig. 396,  
nos. 5a-5d. McIntosh, 1984, p. 1263. Webster, 1986, p. 104. Webster, 1988, p.  
58. Hauser, 1997, p. 60, Pl. 1, figs. 1-2. Hauser, 2001, p. 26, 141, Pl. 14, figs. 1-  
2a; Fig. 122.

*Poteriocrinus dilatatus* Schultze, 1866 (*non* Hall, 1861), p. 49 (adv. pub. ). Schultze,  
1867, p. 161, Pl. 5, fig. 5. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p.  
374.

*Cosmocrinus dilatatus* (Schultze, 1866). Jaekel, 1898b, p. 31. Bassler and  
Moodey, 1943, p. 374.

Devonian, Eifelian, Eifel Limestone; Givetian, ?Loogh Formation. Germany

*Costalocrinus dilatatus* (Schultze, 1866) (part) = *Vasocrinus weinbergensis*

*Costalocrinus helenae* (Schmidt, 1942). McIntosh, 1984, p. 1265. Webster, 1988, p.  
58.

*Botryocrinus helenae* Schmidt, W. E., 1942, p. 128, Pl. 25, fig. 7. Webster, 1973, p. 69. McIntosh, 1984, p. 1265. Webster, 1988, p. 58.  
Devonian, Pragian (Siegenian), Raufaser Beds. Germany

*Costalocrinus ibericus* Kammer, 2001, p. 383, Figs. 1.6-1.10.  
*Cyathocrinites* sp. Breimer, 1962a, p. 158, Pl. 15, figs. 9-10. Webster, 1973, p. 96.  
Kammer, 2001, p. 383.  
Devonian, Emsian, upper part of La Vid Formation. Spain

*Costalocrinus rex* McIntosh, 1984, p. 1271, Figs. 4, nos. G-J, L-M; 5, nos. A-G, J, O.  
Webster, 1988, p. 58.  
Devonian, Givetian, Ludlowville Formation, Centerfield Limestone Member, Wanakah Shale Member; Moscow Formation, Kashong Shale Member, Windom Shale Member; Hungry Hollow Formation; Beechwood Formation.  
United States, New York, Indiana, Kentucky; Canada, Ontario

*Costalocrinus sentosus* (Goldring, 1923). McIntosh, 1984, p. 1265, Figs. 1-2; 3, nos. A-Q; 4, nos. C-F, K, N. Webster, 1988, p. 58.  
*Botryocrinus sentosus* Goldring, 1923, p. 339, 372, Pl. ?41, fig. 10. McIntosh, 1984, p. 1265. Webster, 1988, p. 58.  
Devonian, Givetian, Ludlowville and Moscow Formations. United States, New York

*Costalocrinus thymos* Kammer, 2001, p. 386, Figs. 1.1-1.3.  
Devonian, Emsian, upper part of La Vid Formation. Spain

**COTHOCRINITES** Phillipi, 1876. \**C. verrucosus* Phillipi, 1876.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinitidae  
Phillipi, 1876, p. 68. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 374. Moore and Teichert, 1978, p. T928, (unrecognizable genus).  
**COTHOCRINUS** Zittel, 1879, p. 346. Bassler, 1938, p. 74. Moore and Teichert, 1978, p. T928.  
Named, currently recognized species based on cups or crowns: 1 Devonian? or Mississippian? species, series uncertain  
Devonian? or Mississippian?: Chile

\**Cothocrinites verrucosus* Phillipi, 1876, p. 68, Pl. II-A. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 374 (figures represent a platycrinid).  
Devonian? or Mississippian?, formation unknown. Chile

**COTHOCRINUS** Zittel, 1879 = **COTHOCRINITES**

**COTYLACRINNA** Brower, 1994. \**Cotylacrinna sandra* Brower, 1994, OD.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Brower, 1994, p. 571. Ausich, 1998b, p. 35.  
Named, currently recognized species based on cups or crowns: 2 Ordovician, Katian species  
Ordovician, Katian (Trentonian). North America

*Cotylacrinna desideratus* (Billings, 1885). Brower, 1994, p. 571.  
*Archaeocrinus desideratus* Billings, W. R., 1885, p. 98 (320). Miller, S. A., 1889, p. 225. Wachsmuth and Springer, 1897, p. 257, Pl. 10, figs. 4a-4b. Bather in Lankester, 1900, p. 200, Fig. 125. Delage and Herouard, 1903, p. 385, Fig. 474. Bassler, 1915, p. 59. Bassler and Moodey, 1943, p. 308. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 2. Moore and Laudon, 1944, p. 183, Pl. 73, fig. 14. Wilson, A. E., 1946, p. 25. Strimple, 1963d, p. 70, Fig. 19, no. c. Brower, 1994, p. 571. Pellerin and Séguin, 1995, p. 9, Figs. 1-3.  
 Ordovician, Katian (Trentonian), Deschambault Formation. Canada, Quebec; United States, Ohio

\**Cotylacrinna sandra* Brower, 1994, p. 572, Figs. 2-5. Sloan, 2005, p. 153, Fig. 4-61, nos. 10a-10b (misspelled as *Cotylocrinus sandra*).  
 Ordovician, Katian, Galena Group, Dunleith Formation, Sherwood Member.  
 United States, Iowa

**COTYLEDONOCRINUS** Casseday and Lyon, 1862 = **DICHOOCRINUS**

*Cotyledonocrinus pentalobus* Casseday and Lyon, 1862 = *Dichocrinus pentalobus* =  
 \**Hyrtanecrinus pentalobus*

**CRADEOOCRINUS** Goldring, 1923. \**C. elongatus* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Goldring, 1923, p. 347. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 374. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 158. Ubaghs, 1953, p. 752. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 85. Moore and Lane in Moore and Teichert, 1978, p. T622. Webster, 1986, p. 104. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 40.

Named, currently recognized species based on cups or crowns: 4 species. 3 Devonian, 1 Givetian, 2 Frasnian; 1 Mississippian, Tournaisian  
 Late Devonian - Early Mississippian, Frasnian - Tournaisian. North America  
 Early Devonian. South Africa

*Cradeocrinus dendratus* Laudon and Severson, 1953, p. 514, Pls. 51, figs. 9-12; 55, figs. 3-4. Webster, 1973, p. 85.  
 Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

\**Cradeocrinus elongatus* Goldring, 1923, p. 348, Pl. 41, figs. 11-13. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 375. Moore and Laudon, 1944, p. 158, Pl. 53, fig. 18. Webster, 1973, p. 85. Moore and Lane in Moore and Teichert, 1978, p. T622, Fig. 406, no. 2.  
*Cradoocrinus elongatus* (Goldring, 1923). Webster, 1986, p. 104.  
 Devonian, Frasnian, lower part of Chemung Formation. United States, New York

*Cradeocrinus pergracilis* Goldring, 1923, p. 350, Pl. 42, fig. 1. Bassler and Moodey, 1943, p. 375.

Devonian, Frasnian, Ithaca Formation. United States, New York

*Cradeocrinus plenarius* Jell and Theron, 1999, p. 146, Fig. 27, nos. A-C.

Devonian, Givetian, Waboomberg Formation. South Africa

*Cradeocrinus warreni* Laudon, Parks, and Spreng, 1952 = *Logocrinus warreni*

*Cradeocrinus* sp. Laudon, Parks, and Spreng, 1952, p. 551, Pl. 65, fig. 25. Webster, 1973, p. 85.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Cradocrinus elongatus* (Goldring, 1923) = *Cradeocrinus elongatus*

**CRANOCRINUS** Wanner, 1929. \**C. West Timoricus* Wanner, 1929.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae

Wanner, 1929, p. 41. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 375.

Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 188. Arendt and

Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1968a, p. 101,

Fig. 6. Arendt, 1970a, p. 140. Webster, 1973, p. 85. Webster, 1977, p. 58.

Strimple, 1978b, p. 22. Lane and Moore *in* Moore and Teichert, 1978, p. T596.

Webster, 1986, p. 104. Sevastopulo and Lane, 1988, p. 249. Webster, 1988, p.

58. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 40. Simms, 1994b,

p.

310, Fig. 6, nos. A-C.

Named, currently recognized species based on cups or crowns: 3 species. 1

Pennsylvanian, Morrowan; 2 Permian, 1 Artinskian, 1 series uncertain

Pennsylvanian, Morrowan. United States, Oklahoma

Permian, Artinskian. Russia, Ural Mountains

Permian, series uncertain. West Timor

*Cranocrinus eximius* Strimple, 1978b, p. 23, Fig. 1. Webster, 1986, p. 104.

Pennsylvanian, Morrowan, "Brentwood Interval". United States, Oklahoma

*Cranocrinus praestans* Arendt, 1970a, p. 141, Pls. 6, figs. 1-11; 7, figs. 1-2; Figs. 5, 34.

Webster, 1977, p. 58. Lane *in* Moore and Teichert, 1978, p. T263, T596, Figs.

204, no. 2; 386, no. 3. Kelly, 1982, p. 287, Fig. 4, nos. 7-9. Rozhnov, 1985b, p.

9, Fig. 4, no. g. Webster, 1986, p. 104. Webster, 1988, p. 59. Ausich, 1996a, p.

957, Fig. 3, nos. 1-3. Ausich, 1997a, p. 293, Fig. 3, nos. 14-16. Roux, 1997, p.

373, Fig. 2. Rozhnov, 2002, p. S538, Figs. 9, nos. a-l; 59, no. e.

Permian, late Artinskian. Russia, Priurals

\**Cranocrinus timoricus* Wanner, 1929, p. 41, Pls. 1, figs. 4-16; 2, figs. 1-3; Figs. 1-2.

Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 375. Branson, C. C., 1948,

p. 188. Arendt, 1970a, p. 140. Webster, 1977, p. 58. Ubaghs *in* Moore and



Teichert, 1978, p. T178, Fig. 148, nos. 2-3. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Fig. 385, no. 5. Webster, 1986, p. 104.  
Permian, series uncertain. West Timor, Basleo

*Cranocrinus turbinatus* Wanner, 1929 = *Cydonocrinus turbinatus*

*Cranocrinus turbinatus* var. *minor* Wanner, 1929 = *Cydonocrinus turbinatus minor*

*Cranocrinus* n. sp. Sevastopulo, 2002, p. 9, Fig. 4, no. d. Sevastopulo *in* Ausich and Webster, 2008, p. 62, Fig. 3.5, nos. 1-2.  
Mississippian, late Viséan. Ireland, County Sligo

**CRASPEDOCRINUS** Dahmer, 1921. \**C. schmidti* Dahmer, 1921.

Sbc. Camerata, classification uncertain

Dahmer, 1922, p. 292. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 375.

Ubaghs *in* Moore and Teichert, 1978, p. T517. Webster, 1986, p. 105.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Praagian or Emsian, series undesignated

Devonian, Pragian or Emsian. Germany

\**Craspedocrinus schmidti* Dahmer, 1922, p. 292, Pl. 16, figs. 4-8. Bassler, 1938, p. 74.

Bassler and Moodey, 1943, p. 375. Ubaghs *in* Moore and Teichert, 1978, p.

T517, Fig. 318, no. 3. Webster, 1986, p. 105.

Devonian, Pragian or Emsian, Kahleberg Sandstone. Germany

**CRATEROCRINUS** Goldring, 1923. \**C. ruedemanni* Goldring, 1923.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Dolatocrinidae

Goldring, 1923, p. 185. Bassler, 1938, p. 75. Bassler and Moodey, 1943, p. 375.

Moore and Laudon, 1943b, p. 99. Ubaghs, 1953, p. 742. Webster, 1973, p. 85.

Ubaghs *in* Moore and Teichert, 1978, p. T499. Webster, 1986, p. 105.

Named, currently recognized species based on cups or crowns: 3 Devonian,  
Emsian species

Devonian, Emsian. United States, New York

\**Craterocrinus ruedemanni* Goldring, 1923, p. 186, Pl. 20, figs. 7-8; Fig. 42. Clarke,

1921b, p. 69, Fig. 56. Bassler, 1938, p. 75. Bassler and Moodey, 1943, p. 375.

Goldring, 1951, p. 5, Pl. 1, figs. 4-5. Webster, 1973, p. 85. Ubaghs *in* Moore

and Teichert, 1978, p. T499, Fig. 302, no. 2. Webster, 1986, p. 105.

Devonian, Emsian, Onondaga Limestone. United States, New York

*Craterocrinus schoharie* Goldring, 1923, p. 189, Pl. 20, fig. 9; Fig. 43. Goldring, 1939c,  
p. 77, Figs. 23-24. Bassler and Moodey, 1943, p. 375. Goldring, 1951, p. 5, Pl. 1,  
fig. 3. Webster, 1973, p. 86.

Devonian, Emsian, Onondaga Limestone, ?New United Kingdom, Scotland  
Limestone. United States, New York

*Craterocrinus skinneri* Goldring, 1951, p. 3, Pl. 1, figs. 1-2. Webster, 1973, p. 86.

Devonian, Emsian, Onondaga Limestone. United States, New York

Cremacrinids Brower, 1988, p. 922, Fig. 5 (diagramatic). Webster, 1993, p. 40.

**CREMACRINUS** Ulrich, 1886. \**C. punctatus* Ulrich, 1886.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Ulrich, E. O., 1886, p. 107. Wachsmuth and Springer, 1886, p. 277 (201).

Ringueberg, 1889, p. 396. Miller, S. A., 1889, p. 234. Springer *in* Zittel, 1913, p. 213. Bassler, 1915, p. 288. Springer, 1926a, p. 105. Bassler, 1938, p. 75.

Bassler and Moodey, 1943, p. 375. Moore and Laudon, 1943b, p. 29, Fig. 3.

Moore and Laudon, 1944, p. 145. Ubaghs, 1953, p. 746, Fig. 140l. Moore,

1962a, p. 20, Figs. 3, no. 1; 5, no. 1; 6. Moore, 1962b, p. 12, Fig. 4, no. 1.

Strimple, 1963d, p. 50, Fig. 13 (part). Arendt and Hecker, 1964, p. 81. Kesling

and Sigler, 1969, p. 347, Figs. 4-10; Table 1. Webster, 1973, p. 86. Kolata,

1975,

p. 20. Webster, 1977, p. 58. Moore and Lane *in* Moore and Teichert, 1978, p.

T530, Fig. 324, no. 2. Brower, 1982, p. 90, Fig. 30, no. B. Ausich, 1984a, p.

1182. Webster, 1986, p. 105. Brower, 1987, p. 1001, Fig. 3, no. 1. Brower,

1988a, p. 918, Fig. 1. Webster, 1988, p. 59. Brower, 1990, p. 302, Fig. 4.

Webster, 1993, p. 41. Donovan, Paul, and Lewis, 1996, p. 207. Harvey and

Ausich, 1997, p. 301, Fig. 3.2. Ausich, 1998b, p. 36.

**CASTOCRINUS** Ringueberg, 1889, p. 392. Miller, S. A., 1897, p. 740. Bather,

1890b, p. 332. Bather, 1893a, p. 21. Bather *in* Lankester, 1900, p. 148.

Wachsmuth *in* Zittel, 1900, p. 154. Zittel, 1910, p. 152. Bassler, 1915, p. 288.

Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 375.

**CASTROCRINUS** Wachsmuth and Springer, 1891, p. 387. Jaekel, 1902, p. 1101,

Fig. 28, no. L. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 375.

Named, currently recognized species based on cups or crowns: 19 species. 16

Ordovician, 4 Sandbian, 4 Sandbian – Katian, 8 Katian; 3 Silurian, Niagaran

Ordovician, Sandbian – Katian (Champlainian); - Middle Silurian, Niagaran.

North America

Ordovician, Katian (Ashgillian). United Kingdom, Scotland

*Cremacrinus arctus* Sardeson, 1928, p. 36, Figs. 1-5. Bassler and Moodey, 1943, p.

375. Moore, 1962a, p. 21. Strimple, 1963d, Fig. 12, no. d. Webster, 1973, p.

86. Westphal, 1974a, p. 81, Pl. 1, figs. 3-7; Fig. 4. Kolata, 1975, p. 20, Pl. 3, figs.

3-9, 11-13. Brower and Veinus, 1978, p. 457, Pls. 16, fig. 1; 17, fig. 8. Brower,

1982, p. 92, Figs. 33-38. Webster, 1986, p. 105. Brower, 1988a, p. 919, Fig. 6,

nos. 4-6. Webster, 1988, p. 59. Brower, 1990, p. 301, Fig. 7, nos. 3-4. Webster,

1993, p. 41. Sloan, 2005, p. 153, Fig. 4, no. 3.

Ordovician, Sandbian, (Black Riveran, Caradocian), Platteville Limestone;

Mifflin Formation, Briton Member; Grand Detour Formation; Hidden Falls

Limestone; Platteville Limestone. United States, Minnesota, Illinois, Wisconsin

*Cremacrinus* sp. aff. *C. arctus* Sardeson, 1928. Brower and Strimple, 1983, p. 1279,

Figs. 12-13. Webster, 1988, p. 59.

Ordovician, Katian, Galena Group, Dunleith Formation, Sherwoo Member. United

States, Iowa

*Cremaerinus articulatus* (Billings, 1859). Bassler, 1915, p. 288. Springer, 1926a, p. 100, Pl. 28, figs. 9-13. Bassler and Moodey, 1943, p. 375. Moore and Laudon, 1944, p. 145, Pl. 55, fig. 8. Wilson, A. E., 1946, p. 35, Pl. 6, fig. 5. Moore, 1962a, p. 21. Webster, 1973, p. 86. Brower, 1982, p. 92, Figs. 32, no. C; 33-38. Brower, 1988a, p. 919, Figs. 2, no. 6; 6, nos. 17-19; 9, nos. 15-18. Webster, 1988, p. 59. Brower, 1990, p. 301, Fig. 7, nos. 9-10. Webster, 1993, p. 41. Stinchcomb, 2008, p. 67, Fig. 04-23.

*Heterocrinus articulatus* Billings, E., 1859a, p. 51, Pl. 4, fig. 6. Shumard, 1868, p. 376. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 288. Bassler and Moodey, 1943, p. 375.

*Castocrinus articulatus* (Billings, 1859). Ringueberg, 1889, p. 395, Pl. 10, fig. 4. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.

*Calceocrinus articulatus* (Billings, 1859). Miller, S. A., 1889, p. 230.

Ordovician, Katian (Trentonian), Hull Limestone; Curdsville Limestone, Guttenberg Formation. Canada, Ontario; United States, Illinois, Kentucky

*Cremaerinus billingsiana* (Ringueberg, 1889) = *Cremaerinus billingsianus*

*Cremaerinus billingsianus* (Ringueberg, 1889). Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376. Moore, 1962a, p. 21. Webster, 1973, p. 86. Brower, 1982, p. 93. Webster, 1988, p. 59.

*Castocrinus billingsianus* Ringueberg, 1889, p. 394, Pl. 10, fig. 3. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.

*Cremaerinus billingsiana* (Ringueberg, 1889). Wilson, A. E., 1946, p. 35 (sic). Ordovician, Katian (Trentonian), Trenton Formation. Canada, Ottawa

*Cremaerinus chrysalis* (Hall, 1860) = *Calceocrinus chrysalis*

*Cremaerinus crossmani* Brower and Strimple, 1983, p. 1274, Figs. 8-9, nos. A-G. Webster, 1988, p. 59.

Ordovician, Sandbian – Katian, Platteville Limestone. United States, Minnesota

*Cremaerinus decatur* Springer, 1926a, p. 107, Pl. 28, fig. 7. Bassler and Moodey, 1943, p. 376. Moore, 1962a, p. 21. Webster, 1973, p. 86. Ubaghs in Moore and Teichert, 1978, p. T113, Fig. 87, no. 4. Brower, 1982, p. 92, Figs. 33-38. Webster, 1986, p. 105. Brower, 1988a, p. 919. Webster, 1993, p. 41.

Silurian, Niagaran, Decatur Limestone. United States, Tennessee

*Cremaerinus drummuckensis* (Ramsbottom, 1961). Brower, 1982, p. 90, Figs. 32, no. A; 33-38. Brower, 1988a, p. 919, Fig. 9, no. 7. Webster, 1988, p. 59. Webster, 1993, p. 41. Donovan, Paul, and Lewis, 1996, p. 209, Pl. 39, fig. 1.

*Anulocrinus drummuckensis* Ramsbottom, 1961, p. 9, Pl. 2, figs. 9-10. Moore, 1962a, p. 22, Pl. 1, fig. 5; Fig. 14, nos. 1-2. Webster, 1973, p. 53. Brower, 1982, p. 90. Webster, 1988, p. 59.

Ordovician, Sandbian – Katian (late Ashgillian), upper part of Drummuck Group. United Kingdom, Scotland

- Cremacrinus forrestonensis* (Kolata, 1975). Brower, 1982, p. 90. Webster, 1988, p. 59.  
*Anulocrinus forrestonensis* Kolata, 1975, p. 25, Pl. 3, fig. 1; Fig. 7. Brower, 1982, p. 90. Webster, 1986, p. 61. Webster, 1988, p. 59.  
 Ordovician, Sandbian (Champlainian), Platteville Limestone; Grand Detour Formation, lower part of Forreton Member. United States, Illinois
- Cremacrinus furcillatus* (Billings, 1887). Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376. Wilson, A. E., 1946, p. 35. Moore, 1962a, p. 21. Webster, 1973, p. 86. Brower, 1982, p. 92. Brower, 1988a, p. 919. Webster, 1988, p. 59. Webster, 1993, p. 41.  
*Calceocrinus furcillatus* Billings, W. R., 1887, p. 51, Unnum. Fig. Miller, S. A., 1889, p. 230. Bassler, 1915, p. 289. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 376.  
*Castocrinus furcillatus* (Billings, 1887). Ringuenberg, 1889, p. 393, Pl. 10, fig. 1. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.  
 Ordovician, Katian (Trentonian), Hull Limestone. Canada, Ontario
- Cremacrinus gerki* Brower and Strimple, 1983, p. 1271, Figs. 6-7. Brower, 1988a, p. 919. Webster, 1988, p. 59. Webster, 1993, p. 41. . Adrian, 2009, p. 28, Fig. 4.  
 Ordovician, Katian (Trentonian), Galena Group, Dunleith Formation, Sherwood Member. United States, Iowa, Minnesota
- Cremacrinus guttenbergensis* Kolata, 1975, p. 23, Pl. 3, figs. 10, 14; Fig. 6. Brower, 1982, p. 92. Brower and Strimple, 1983, p. 1277, Figs. 10, nos. A-C; 11, nos. A-C. Webster, 1986, p. 105. Brower, 1988a, p. 919. Webster, 1988, p. 60.  
 Webster,  
 1993, p. 41.  
 Ordovician, Sandbian – Katian (Trentonian), Guttenberg Formation; Trenton Limestone; Galena Group, Dunleith Formation, Sherwood and Mortimer Members. Canada; United States, Illinois, Iowa, Minnesota
- Cremacrinus inaequalis* (Billings, 1859). Ulrich, E. O., 1886, p. 113. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376. Wilson, A. E., 1946, p. 35, Pl. 5, fig. 4. Moore, 1962a, p. 21. Webster, 1973, p. 86. Brower, 1982, p. 93. Webster, 1988, p. 60.  
*Heterocrinus inaequalis* Billings, E., 1859a, p. 51, Pl. 4, fig. 7a. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.  
*Castocrinus inaequalis* (Billings, 1859). Ringuenberg, 1889, p. 395, Pl. 10, fig. 5. Bassler, 1915, p. 289.  
*Calceocrinus inaequalis* (Billings, 1859). Miller, S. A., 1889, p. 230.  
 Ordovician, Katian (Trentonian), Trenton Limestone; Hull Limestone; Proser Limestone. Canada, Ontario; United States, Wisconsin

- Cremacrinus kentuckiensis* (Miller and Gurley, 1894). Springer, 1926a, p. 109, Pl. 28, figs. 14-14a, 15. Bassler and Moodey, 1943, p. 376. Moore, 1962a, p. 21, Fig. 7, no. A. Webster, 1973, p. 86. Brower, 1982, p. 92. Webster, 1988, p. 60.
- Calceocrinus kentuckiensis* Miller and Gurley, 1894b, p. 29, Pl. 2, figs. 24-25. Miller, S. A., 1897, p. 740, Fig. 1322. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.
- Castocrinus kentuckiensis* (Miller and Gurley, 1894). Miller and Gurley, 1894b, p. 30. Bassler, 1915, p. 289.
- Ordovician, Katian (Trentonian), Trenton Limestone; Curdsville Limestone. United States, Kentucky
- ?*Cremacrinus latus* (Brower and Veinus, 1974). Brower, 1982, p. 90. Webster, 1988, p. 60.
- Anulocrinus latus* Brower and Veinus, 1974, p. 25, Pl. 3, fig. 1. Brower, 1982, p. 90. Webster, 1986, p. 61. Webster, 1988, p. 60.
- Ordovician, Sandbian (Champlainian), Benbolt Formation. United States, Virginia
- Cremacrinus lucifer* Bolton, T. E., 1970, p. 62, Pl. 13, figs. 2-3. Webster, 1977, p. 58. Brower, 1982, p. 93. Webster, 1988, p. 60.
- Ordovician, Katian (Trentonian), Liskeard Group, Farr Formation. Canada, Ontario
- \**Cremacrinus punctatus* Ulrich, E. O., 1886, p. 106, Fig. 1. Miller, S. A., 1889, p. 234. Bassler, 1915, p. 289. Springer, 1926a, p. 110, Pl. 28, figs. 16-20a. Sardeson, 1928, p. 35, Figs. 6-8. Bassler, 1938, p. 75. Bassler and Moodey, 1943, p. 376. Moore, 1962a, p. 21, Pl. 1, fig. 3 (*non* fig. 4 as given on p. 21). Webster, 1973, p. 86. Brower and Veinus, 1978, p. 467, Pl. 18. Moore and Lane *in* Moore and Teichert, 1978, p. T30, Fig. 327, nos. 1a-1b. Brower, 1982, p. 93. Brower and Strimple, 1983, p. 1279, Figs. 10, no. D; 11, nos. D-E. Webster, 1986, p. 105. Brower, 1988a, p. 919, Figs. 6, nos. 7-9; 9, nos. 4-6. Webster, 1988, p. 60. Brower, 1990, p. 301, Fig. 7, nos. 7-8. Webster, 1993, p. 41.
- Calceocrinus punctatus* (Ulrich, 1886). Miller, S. A., 1889, p. 234.
- Ordovician, Sandbian – Katian (Trentonian), Decorah Formation, Spechts Ferry Member. United States, Minnesota
- Cremacrinus* species cf. \**C. punctatus* Ulrich, 1886. Guensburg, 1984, p. 41, Pl. 7, figs. 1-2, 7. Webster, 1988, p. 60.
- Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Cremacrinus ramifer* (Brower, 1977). Brower, 1982, p. 90, Figs. 31, nos. A-D, 33-38. Brower and Strimple, 1983, p. 1273, Fig. 9, nos. H-I. Brower, 1985, p. 14, Fig. 3. Brower, 1987, p. 1001, Figs. 1; 3, nos. 4, 7; 4, nos. 1-3, 13-15. Brower, 1988a, p. 919, Figs. 3, nos. 3, 5; 6, nos. 14-16; 9, nos. 12, 14. Brower, 1988b, p. 74, Figs. 2-6. Webster, 1988, p. 60. Brower, 1990, p. 301, Figs. 1, 7, nos. 5-6. Webster, 1993, p. 41. Brower, 2006, p. 431, Fig. 1, nos. 2-3, 10-11. Brower, 2007, p. 1286, Fig. 2, nos. 13-15.
- Anulocrinus ramifer* Brower, 1977, p. 9, Pls. 3, figs. 1, 4-9; 4, figs. 9-11; Fig. 2, nos. f-h. Brower, 1982, p. 90. Webster, 1986, p. 61. Webster, 1988, p. 60.

*Anulocrinus* sp. aff. *A. drummuckensis* Ramsbottom, 1961. Brower, 1966, p. 619, Pl. 75, figs. 10-12, 25; Figs. 1, nos. A-G. Webster, 1973, p. 54. Brower, 1977, p. 9. Webster, 1986, p. 61.

Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

*Cremacrinus rugosus* (Billings, 1887). Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376. Brower, 1982, p. 93. Webster, 1988, p. 60.

*Calceocrinus rugosus* Billings, W. R., 1887, p. 53, Unnum. Figs. Bassler and Moodey, 1943, p. 376.

*Calceocrinus rugosus* Billings, 1887. Miller, S. A., 1889, p. 230, Fig. 259.

*Castocrinus rugosus* (Billings, 1887). Ringueberg, 1889, p. 393, Pl. 10, fig. 2. Bassler, 1915, p. 289. Bassler and Moodey, 1943, p. 376.

Ordovician, Katian (Trentonian), Trenton Limestone; Hull Limestone. Canada, Ottawa, Ontario

*Cremacrinus simplex* Springer, 1926 = *Anulocrinus simplex*

*Cremacrinus tubuliferus* Springer, 1926a, p. 106, Pl. 28, figs. 3-6. Bassler and Moodey, 1943, p. 376. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 2. Moore and

Laudonl, 1944, p. 145, Pl. 55, fig. 7. Moore, 1962a, p. 21, Pl. 1, fig. 1; Fig. 10. Brower, 1966, p. 617, Fig. 1, no. H. Webster, 1973, p. 86. Moore and Lane *in* Moore and Teichert, 1978, p. T530, Fig. 327, nos. 1c-1e. Brower, 1982, p. 92, Figs. 32, no. D; 33-38. Brett, 1984, p. 110, Fig. 14, no. A. Webster, 1986, p. 105. Webster, 1988, p. 60.

Silurian, Niagaran, Beech River Formation; Brownsport Formation. United States, Tennessee

*Cremacrinus ulrichi* Springer, 1926a, p. 105, Pl. 28, figs. 1-2. Bassler and Moodey, 1943, p. 377. Moore, 1962a, p. 21. Webster, 1973, p. 86. Brower, 1982, p. 92. Brower, 1988a, p. 919, Figs. 6, nos. 11-13; 9, nos. 9-11. Webster, 1988, p. 60. Brower, 1990, p. 301, Fig. 7, nos. 11-12. Webster, 1993, p. 41.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Cremacrinus* spp.

Sinclair, Copeland, and Bolton, 1969, p. 24, Fig. 7, no. 10. Webster, 1977, p. 59.

Ordovician, Katian (Trentonian), Sherman Fall Limestone. Canada, Ontario  
Kolata, 1975, p. 24, Pl. 3, fig. 2. Webster, 1986, p. 106.

Ordovician, Sandbian (Champlainian), Grand Detour Formation, Walgreen Member. United States, Illinois

Brett and Liddell, 1978, p. 338, Fig. 5, no. c. Webster, 1986, p. 106.

Ordovician, Katian (Trentonian), Bobcaygeon Formation. Canada, Ontario

Ubaghs *in* Moore and Teichert, 1978, p. T113, Fig. 87, no. 5. Webster, 1986, p. 106.

Late Ordovician - Late Silurian. North America

**CRIBANOCRINUS** Kirk, 1944. \**Rhodocrinus wortheni* Hall, 1858.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Kirk, 1944a, p. 13. Ubaghs, 1953, p. 737. Webster, 1973, p. 86. Webster, 1977, p.  
 59. Ubaghs *in* Moore and Teichert, 1978, p. T425. Ausich, Kammer, and Lane,  
 1979, p. 1189, Fig. 6B, no. d. Kammer, Ausich, and Lane, 1983, p. 55, Fig. 14,  
 no. B, item D. Webster, 1986, p. 106. Lane and Sevastopulo, 1987, p. 199.  
 Webster, 1988, p. 60. Webster, 1993, p. 41. Chen and Yao, 1993, p. 20.  
 Webster, 1997, p. 9.

Named, currently recognized species based on cups or crowns: 14 Mississippian  
 species, 5 Tournaisian, 3 Tournaisian – Viséan, 6 Viséan  
 Mississippian, late Kinderhookian - Meramecian. United States  
 Mississippian, Tournaisian. Australia, China

*Cribanocrinus baccatus* (Wright, 1937). Ausich and Kammer, 2006, p. 100. Kammer  
 and Ausich, 2007c, p. 140, unfig.

*Rhodocrinus baccatus* Wright, J., 1937, p. 386, Pl. 13, figs. 1-9; Figs. 1-2. Wright, J.,  
 1939, p. 5, Pl. 12, figs. 1-2, 4-6, 8-9; Figs. 1-2. Bassler and Moodey, 1943, p.  
 662. Ausich and Kammer, 2006, p. 100.

*Rhodocrinites baccatus* (Wright, 1937). Bassler and Moodey, 1943, p. 662. Wright,  
 J., 1958, p. 313, Pl. 76, figs. 1-6; Fig. 131. Webster, 1973, p. 231.

Mississippian, Viséan, Brigantian, shales above White Limestone, lower part of  
 Limestone Group; Calciferous Sandstone; Ardross Limestone. United Kingdom,  
 Scotland

*Cribanocrinus baoshanensis* Chen and Yao, 1993 = *Rhodocrinites baoshanensis*

*Cribanocrinus benedicti* (Miller, 1892). Kirk, 1944a, p. 15. Webster, 1973, p. 86.

*Rhodocrinus benedicti* Miller, S. A., 1892a, p. 681. Miller, S. A., 1892c, p. 15, Pl. 2,  
 figs. 18-19. Miller, S. A., 1894, p. 269, Pl. 2, figs. 18-20. Weller, S., 1898c, p.  
 526.

Bassler and Moodey, 1943, p. 663. Kirk, 1944a, p. 15. Webster, 1973, p. 86.  
*Rhodocrinites benedicti* (Miller, 1892). Bassler and Moodey, 1943, p. 663.  
 Mississippian, Viséan (Osagean), Borden Group. United States, Indiana

*Cribanocrinus biseriatus* Campbell and Bein, 1971, p. 425, Pl. 49, figs. 22-24.  
 Webster, 1977, p. 59.

Mississippian, Tournaisian (Cull), Namoi Formation. Australia, New South Wales

*Cribanocrinus bridgerensis* (Miller and Gurley, 1897). Kirk, 1944a, p. 15. Webster,  
 1973, p. 87.

*Rhodocrinus bridgerensis* Miller and Gurley, 1897, p. 41, Pl. 3, fig. 3. Weller, S.,  
 1898c, p. 526. Bassler and Moodey, 1943, p. 663. Kirk, 1944a, p. 15. Webster,  
 1973, p. 87.

*Rhodocrinites bridgerensis* (Miller and Gurley, 1897). Bassler and Moodey, 1943,  
 p. 663.

Mississippian, Tournaisian (Kinderhookian), Madison Limestone, Lodgepole  
 Formation. United States, Montana

*Cribanocrinus coxanus* (Worthen, 1882). Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinus coxanus* Worthen, 1882, p. 20. Worthen, 1883, p. 305, Pl. 28, fig. 7. Miller, S. A., 1889, p. 277. Keyes, 1894a, p. 163, Pl. 22, fig. 3. Wachsmuth and Springer, 1897, p. 222, Pl. 13, figs. 6-7. Weller, S., 1898c, p. 527. Bassler and Moodey, 1943, p. 663. Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinites coxanus* (Worthen, 1882). Bassler and Moodey, 1943, p. 663.

*Rhodocrinus polydactylus* Worthen, 1882, p. 30. Weller, S., 1898c, p. 527. Bassler and Moodey, 1943, p. 663.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa

*Cribanocrinus excavatus* Chen and Yao, 1993 = *Rhodocrinites excavatus*

*Cribanocrinus honeyvillensis* Webster, 1997, p. 10, Pl. 1, fig. 10.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Cribanocrinus intermedius* Chen and Yao, 1993 = *Rhodocrinites intermedius*

*Cribanocrinus parvus* (Miller, 1891). Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinus parvus* Miller, S. A., 1891b, p. 39, Pl. 5, figs. 8-9. Miller, S. A., 1892a, p.

681. Miller, S. A., 1897, p. 752, Fig. 1392. Weller, S., 1898c, p. 527. Bassler and Moodey, 1943, p. 665. Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinites parvus* (Miller, 1891). Bassler and Moodey, 1943, p. 665.

Mississippian, Viséan (Meramecian), Warsaw Formation. United States, Missouri

*Cribanocrinus punctatus* (Weller, 1909). Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinus punctatus* Weller, 1909a, p. 282, Pl. 11, figs. 15-16. Bassler and Moodey, 1943, p. 665. Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinites punctatus* (Weller, 1909). Bassler and Moodey, 1943, p. 665.

Mississippian, Tournaisian (Osagean), Fern Glen Formation. United States, Missouri

*Cribanocrinus urceolatus* (Wachsmuth and Springer, 1897). Kirk, 1944a, p. 15.

Brower, 1970, p. 488, Pl. 67, figs. 3-4; Figs. 79C-79D. Webster, 1973, p. 87.

Webster, 1977, p. 59. Ubaghs *in* Moore and Teichert, 1978, p. T425, Fig. 233, nos. 3c-3d. Webster, 1986, p. 106.

*Rhodocrinus wortheni* var. *urceolatus* Wachsmuth and Springer, 1897, p. 221, Pl. 12, figs. 8a-8b. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 529. Bassler and Moodey, 1943, p. 666. Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinites wortheni urceolatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 666.

Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member; Lake Valley Limestone, Nunn Shale Member. United States, New Mexico, Arizona

*Cribanocrinus wachsmuthi* (Hall, 1861). New combination

*Rhodocrinus wachsmuthi* Hall, 1861b, p. 18. Miller, S. A., 1889, p. 278.

Wachsmuth and Springer, 1897, p. 222, Pls. 13, figs. 5a-5d; 15, fig. 7. Weller, S., 1898c, p. 528. Bassler and Moodey, 1943, p. 666.

*Rhodocrinites wachsmuthi* (Hall, 1861). Bassler and Moodey, 1943, p. 666.



Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cribanocrinus watersianus* (Wachsmuth and Springer in Miller, 1889). Kirk, 1944a, p. 15. Laudon and Severson, 1953, p. 526, Pl. 52, figs. 20-22. Jacobson, 1970, p. 230, Pl. 1, fig. 4. Webster, 1973, p. 87. Webster, 1977, p. 59. Gahn, 1995, p. 112, Fig. 2, no. 2. Ausich in Hess et al., 2000, p. 135, Fig. 142, no. H.

Baumiller

and Gahn, 2003, p. 271, Fig. 1, no. A. Gahn and Baumiller, 2005, p. 155, Fig. 1, nos. Cw. O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, nos. 6, 19.

*Rhodocrinus watersianus* Wachsmuth and Springer in Miller, S. A., 1889, p. 278, Fig. 421. Wachsmuth and Springer, 1890a, p. 184, Pl. 17, fig. 16. Wachsmuth and Springer, 1897, p. 221, Pl. 12, fig. 9. Weller, S., 1898c, p. 528. Ehrenberg, 1922c, p. 277, Fig. 7. Laudon, 1933, p. 36, Pl. 1, fig. 1. Laudon and Beane, 1937,

p. 241, Pl. 15, fig. 1. Bassler and Moodey, 1943, p. 666.

*Rhodocrinites watersianus* (Wachsmuth and Springer, 1889). Bassler and Moodey, 1943, p. 666. Moore and Laudon, 1944, p. 185, Pl. 73, fig. 8. Kirk, 1944a, p. 15. Strimple and Beane, 1966, p. 35, Fig. 1. Webster, 1973, p. 87. Ubaghs in Moore and Teichert, 1978, p. T143, Fig. 114, no. 1. Williams, M. E., p. 20, Pl. 1. Webster, 1986, p. 277. Webster, 1988, p. 146. Hauser, 2004b, p.

10,

Fig. 3.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Hampton Formation, Le Grande Beds; Gilmore City Formation, Lodgepole Limestone; lower part of Burlington Limestone. United States, Iowa, Montana, Idaho

*Cribanocrinus whitei* (Hall, 1861). Kirk, 1944a, p. 15. Haugh, 1973a, p. 82, Pl. 1, fig. 5. Webster, 1973, p. 87. Webster, 1977, p. 59.

*Rhodocrinus whitei* Hall, 1861a, p. 324. Hall, 1861b, p. 9. Hall, 1861c, p. 324. Shumard, 1868, p. 395. Hall, 1872a, Pl. 6, figs. 19-21. Miller, S. A., 1889, p. 278. Wachsmuth and Springer, 1889a, p. 354, Pl. 18, fig. 11. Wachsmuth and Springer, 1897, p. 223, Pls. 13, figs. 1a-1c; 15, figs. 6a-6b. Weller, S., 1898c, p. 528. Grabau and Shimer, 1910, p. 550. Peck and Keyte, 1938, p. 73, Pl. 27, figs. 10-11. Bassler and Moodey, 1943, p. 666. Branson, E. B., 1944, p. 212, Pl. 38, figs. 10, 22. Kirk, 1944a, p. 15. Webster, 1973, p. 87.

*Rhodocrinites whitei* (Hall, 1861). Bassler and Moodey, 1943, p. 666.

*Rhodocrinus whitei* var. *burlingtonensis* Hall, 1861a, p. 325. Hall, 1861b, p. 9. Hall, 1861c, p. 325. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 278. Weller, S.,

1898c, p. 528. Bassler and Moodey, 1943, p. 666.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Missouri, Iowa

*Cribanocrinus wilsoni* Laudon, Parks, and Spreng, 1952, p. 563, Pls. 67, figs. 10-11; 69, fig. 15. Webster, 1973, p. 87.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

\**Cribanocrinus wortheni* (Hall, 1858). Kirk, 1944a, p. 15. Jacobson, 1970, p. 230, Pl. 3, fig. 7. Webster, 1973, p. 87. Webster, 1977, p. 59. Ubaghs *in* Moore and Teichert, 1978, p. T425, Fig. 233, nos. 3a-3b. Webster, 1986, p. 106.

*Rhodocrinus wortheni* Hall, 1858c, p. 556, Pl. 9, figs. 8a-8c. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 278. Wachsmuth and Springer, 1897, p. 220, Pls. 11, fig. 6; 12, figs. 7a-7c. Weller, S., 1898c, p. 528. Laudon, 1933, p. 38, Pl. 1, figs. 2-3. Laudon and Beane, 1937, p. 243, Pl. 15, figs. 2-3. Bassler and Moodey, 1943, p. 666. Kirk, 1944a, p. 15. Webster, 1973, p. 87. Wolf, 1983, p. 170, Pl. 23, fig. 4.

*Rhodocrinites wortheni* (Hall, 1858). Bassler and Moodey, 1943, p. 666. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 7. Moore and Laudon, 1944, p. 185, Pl. 73, fig. 11. Rose, 1967, p. 140, Pl. 17, fig. 3. Webster, 1973, p. 87. Webster, 1977, p. 59.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Gilmore City Formation; Hampton Formation; lower part of Burlington Limestone. United States, Iowa, Missouri

**CRICOCRINUS** Strimple and Watkins, 1969 = **NEOPROTEOCRINUS**

*Cricocrinus disculus* (Strimple, 1949), Strimple and Watkins, 1969 = *Neoprotencrinus disculus*

*Cricocrinus johnstonensis* (Strimple, 1961) = *Neoprotencrinus johnstonensis*

*Cricocrinus planus* (White, 1879) = *Paradelocrinus planus* = *Sublobalocrinus planus*

\**Cricocrinus regulatus* (Strimple, 1949) = *Paradelocrinus regulatus* = *Neoprotencrinus regulatus*

*Cricocrinus subplanus* (Moore and Plummer, 1940) = *Paradelocrinus subplanus* = *Neoprotencrinus subplanus*

*Cricocrinus toddanus* (Butts, 1898), Strimple and Watkins, 1969 = *Neoprotencrinus toddanus*

*Cricocrinus wapanucka* (Strimple, 1961) = *Pontotocrinus wapanucka* = *Erisocrinus wapanucka*

**CRINEROCRINUS** Kolata, 1982. \**C. parvicostatus* Kolata, 1982.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Kolata, 1982, p. 189. Webster, 1988, p. 61. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian species

Ordovician, Sandbian, (Champlainian). United States, Oklahoma

\**Crineroocrinus parvicostatus* Kolata, 1982, p. 190, Pl. 21, figs. 7-8; Fig. 52. Webster, 1988, p. 61.

Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member.  
United States, Oklahoma

**CRINOBRACHIATUS** Moore, 1962. \**Myelodactylus brachiatus* Hall, 1852.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Myelodactylidae  
Moore, 1962b, p. 43. Webster, 1973, p. 87. Moore and Lane *in* Moore and  
Teichert, 1978, p. T552. Eckert and Brett, 1985, p. 4. Webster, 1986, p. 106.  
Webster, 1988, p. 61. Webster, 1993, p. 42.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran  
species

Silurian, Niagaran. North America, New York, Ontario

\**Crinobrachiatus brachiatus* (Hall, 1852). Moore, 1962b, p. 43, Pl. 3, fig. 2. Webster, 1973, p. 87. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no. 3. Moore and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 344, no. 3. Brett, 1981, p. 362, Fig. 8, no. D. Eckert and Brett, 1985, p. 5, Pls. 1, 2, Fig. 1-3. Webster, 1986, p. 106. Webster, 1988, p. 61. Donovan and Sevastopulo, 1989, p. 690, Fig.

3. Webster, 1993, p. 42.

*Myelodactylus brachiatus* Hall, 1852a, p. 232, Pl. 45, figs. 7a-7e. Shumard, 1868, p. 381. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 262. Bassler, 1915, p. 844. Springer, 1926a, p. 16, Pl. 4, figs. 1-10. Springer, 1926b, p. 87, Pl. 27, fig. 19. Bassler and Moodey, 1943, p. 568. Cuénot, 1948, p. 60, Fig. 76. Ubaghs, 1953, p. 744, Fig. 123. Moore, 1962b, p. 43. Yakovlev, 1964b, p. 69, Fig. 104.

Webster, 1973, p. 87.

*Herpetocrinus (Myelodactylus) brachiatus* (Hall, 1852). Ehrenberg, 1930a, p. 322, Pl. 15, figs. 1-4. Ehrenberg, 1930b, p. 172. Bassler and Moodey, 1943, p. 568.

*Herpetocrinus brachiatus* (Hall, 1852). Wolburg, 1938, p. 257, Fig. 1, no. 2.  
Silurian, Niagaran, Rochester Formation. United States, New York; Canada,  
Ontario

*Crinobrachiatus* sp. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation. United States, Tennessee

**CRINOCYSTIS** Haeckel, 1896 = **EUCALYPTOCRINITES**

**CRINOCYSTITES** Hall, 1864 = **EUCALYPTOCRINITES**

*Crinocystites chrysalis* (Hall, 1860) = *Calceocrinus chrysalis*

*Crinocystites chrysalis* (Hall, 1864) = *Eucalyptocrinites chrysalis*

*Crinocystites? rectus* Hall, 1864 = *Rhodocrinus? rectus* = *Eucalyptocrinites rectus*

Crinoid Bassler, 1909 = *Actinocrinites magnificus*

## Crinoid

- Carpenter, P. H., 1889, p. 25, Unnum. fig. p. 27 (diagramatic).  
 Bassler, 1909, p. 141, Pl. 24, fig. 5. (Type of Troost's *Asterias tennessea*)  
 Mississippian, Viséan? (Osagean?), Tullahoma Formation. United States,  
 Tennessee
- Moodie, 1917, p. 12, Fig. 5, no. f. (a glyptocrinid, GDW)  
 Ordovician, Katian (Cincinnatian). United States, Kentucky
- Moodie, 1917, p. 14, Fig. 6, no. b.  
 Ordovician, Katian (Trentonian). United States
- Shikama, 1964, p. 217, Fig. 12 (diagramatic).  
 No age given
- Shikama, 1964, p. 218, Fig. 13 (diagramatic).  
 No age given
- Hill, Playford, and Woods, 1967, p. 28, Pl. 14, figs. 9-10. (Rhodocrinitid calyx,  
 GDW)  
 Devonian, Emsian, Broken River Formation, Martin's Well Limestone Member:  
 Australia, Queensland
- Conkin and Conkin, 1976, p. 212, Fig. 14, no. 39. Webster, 1988, p. 61.  
 Silurian. no locality data
- Hoskins, Inners, and Harper, 1983, p. 37, Fig. p. 4. (diagramatic)  
 Devonian, no locality given
- Hoskins, Inners, and Harper, 1983, p. 37, Fig. p. 35. (diagramatic)  
 No age given
- Paul and Smith, 1984, p. 466, Figs. 16, 18-19. Webster, 1988, p. 61.  
 No stratigraphic data, phylogeny discussion.
- Beus, 1984, p. 662, Figs. 10-11. Webster, 1988, p. 61.  
 Mississippian, Serpukhovian (Arundian), High Tor Limestone. United Kingdom
- Segars and Liddell, 1988, p. 399, Fig. 4 (diagramatic). Webster, 1988, p. 61.  
 Webster, 1993, p. 42.  
 Silurian, Ludlovian, Hamra Beds. Sweden, Isle of Gotland
- Brett, 1991, p. 324, Fig. 14, nos. A, B.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Gil Cid, Arroyo, Lara, and Torices, 2003, p. 77, Fig. 3, no. 2.  
 Ordovician (diagramatic)
- Gil Cid, Arroyo, Lara, and Torices, 2003, p. 77, Pl. 1, fig. e.  
 Ordovician. Spain
- Stinchcomb, 2008, p. 102, Fig. 06-33.  
 Early Devonian. Morocco
- Reizner, 2009, p. 5, unnum fig. (diagramatic)  
 Ordovician, Katian (Richmondian), Kope Formation. United States, Ohio
- Reizner, 2009, p. 5, unnum fig. (diagramatic)  
 Ordovician, Katian (Richmondian), Fairview Formation. United States, Ohio

Crinoid allied to *Stemmatocrinus* Etheridge in Jack and Etheridge, 1892 =  
 Poteriocrininid cup indet.

Crinoid arm Conway Morris, 1981, p. 496, Pl. 2, fig. E. Webster, 1988, p. 61.  
 Pennsylvanian, Missourian, Seminole Formation. United States, Oklahoma

- Crinoid arm Ausich and Simms *in* Hess et al., 1999 p. 58, Fig. 67.  
Pennsylvanian, Missourian, Seminole Formation. United States, Oklahoma
- Crinoid arm plates Hotchkiss, Prokop, and Petr, 1999, p. 330, Fig. 2, nos. 12-15  
Devonian, Eifelian, Trebotov Limestone. Czech Republic
- Crinoid brachial ossicle Donovan and Wright, 1995, p. 231, Fig. 5.  
Ordovician, Ashgillian, beds above Keisley Limestone. United Kingdom
- Crinoid calyx Etheridge *in* Jack and Etheridge, 1892 = Camerate indet.
- Crinoid calyx  
Bassler, 1909, p. 140, Pl. 19, fig. 9. (An actinocrinid, GDW)  
Mississippian, Viséan (Osagean), New Providence Shale. United States,  
Kentucky  
Bassler, 1909, p. 140, Pl. 24, figs. 9-10. (An actinocrinid, GDW)  
Mississippian, Serpukhovian (Tull), Knobstone Group. United States, Kentucky  
Hashimoto, 1984, p. 5, Fig. 3, no. 1, diagramatic (cladid). Webster, 1993, p. 42.  
Hashimoto, 1984, p. 5, Fig. 3, no. 2, diagramatic (camerate). Webster, 1993, p.  
42.  
Hashimoto, 1984, p. 5, Fig. 3, no. 3, diagramatic cladid). Webster, 1993, p. 42.  
Brett, 1991, p. 321, Fig. 12, no. H.  
Silurian, Wenlockian, Waldron Shale. United States, Tennessee  
Bodenbener, 1997, p. 199, fig. 5 (diagramatic).  
Stinchcomb, 2008, p. 86, Fig. 05-18.  
Middle Silurian. United States, Illinois  
Stinchcomb, 2008, p. 129, Fig. 07-067.  
Mississippian, Viséan (Osagean), Burlington Formation. United States, Missouri,  
Fulton
- Crinoid calyx and column Kuang, *et al.*, 1989, Pl. 48, fig. 1. Webster, 1993, p. 42.  
Early Devonian, Yujian Formation, middle part of Zayilin Member. China, Guangxi
- Crinoid calyx folded plates Pisera, 1994, p. 285, Pl. 59, figs. 1-6; (on plate explanation  
figures 1-3 given as undetermined calyx plate and 4-6 given as radials).  
Ordovician, Katian (Ashgillian), Mojcza Limestone. Poland, Holy Cross Mountains
- Crinoid community Smosna and Maxwell, 1989, p. 354, Fig. 5, nos. A-C  
(diagramatic). Webster, 1993, p. 42.  
Silurian. United States, West Virginia
- Crinoid crown  
de Witry, 1780, Fig. 4.  
Mississippian, Tournaisian. Belgium  
Markovskiy, 1966, p. 146, Fig. 245.  
Carboniferous. Russia  
Ruhmann, 1971b, p. 237, Fig. 7, no. a. Webster, 1977, p. 178 (camerate).

Devonian, Emsian, La Vid Shale. Spain  
 Speyer and Brett, 1991, p. 517, Fig. 8, no. A (diagramatic).  
 Early - middle Paleozoic  
 Sugiyama, 1991, p. 352, Fig. 4, on. B (diagramatic).  
 Mississippian, Viséan - Namurian, Akiyoskhi Limestone. Japan  
 Galle, Hladil, and Isaacson, 1995, p. 231, Fig. 6 (diagramatic).  
 Middle Devonian. Czech Republic  
 Ferretti and Kriz, 1995, p. 251, Fig. 12 (diagramatic).  
 Silurian. Czech Republic

#### Crinoid cup

Lane, B. O., 1962, p. 909, Pl. 128, fig. 24. Webster, 1973, p. 272.  
 Pennsylvanian, Atokan?, Ely Group. United States, Nevada  
 Markovskiy, 1966, Pl. 12.  
 Carboniferous. Russia

Crinoid fragment, group apicals Pitakpaivan, Ingavat, and Pariwatvorn, 1969, p. 59,  
 Pl. 14, figs. 3-5. Webster, 1993, p. 42 (cladid cup).  
 Carboniferous. Thailand

Crinoid fragment, group facetals Pitakpaivan, Ingavat, and Pariwatvorn, 1969, p. 59,  
 Pl. 14, figs. 6-8. Webster, 1993, p. 42 (radials).  
 Carboniferous. Thailand

#### Crinoid fragments

Kutscher, 1971, p. 114, Pl. 1. Webster, 1977, p. 178.  
 Devonian, Hunsrückschiefer. Germany  
 Ferretti and Kriz, 1995, p. 249, Fig. 9, no. A (brachial).  
 Silurian, early - middle Ludlow. Czech Republic

Crinoid gen. et spec. indet. Drevermann, 1904 = *Gastrocrinus drevermanni*

Crinoid gen. et sp. nov. Hill, Playford, and Woods, 1967, p. 28, Pl. 14, figs. 9-10.  
 Webster, 1977, p. 178 (camerate calyx).  
 Devonian, Emsian, Martin's Well Limestone Member. Australia, Queensland

Crinoid gen. et sp. undet. Branson, E. B., 1944, p. 165, Pl. 30, fig. 14. Webster, 1973,  
 p. 272 (theca).  
 Mississippian, Tournaisian (Kinderhookian), Northview Formation. United States,  
 Missouri

Crinoid gen. et sp. undet. Branson, E. B., 1944, p. 165, Pl. 30, figs. 16-17. Webster,  
 1973, p. 272 (theca).  
 Mississippian, Tournaisian (Kinderhookian), Northview Formation. United States,  
 Missouri

#### Crinoid head

Lesley, 1889, p. 161, Fig. 3.

- Calciferos Sandstone. New York  
 Moodie, 1917, Fig. 8, nos. b-d. (a flexible, GDW)  
 Paleozoic, period not given. United States  
 Bennett, 1984, p. 125, Fig. 68. Webster, 1988, p. 61.  
 No stratigraphic data  
 Bucher, Caster, and Jones, 1945, p. 11, Pl. 1, fig. 14c.  
 Ordovician, Sandbian (Cincinnatian). United States, Cincinnati area
- Crinoid head (calyx) Linsley, 1994, Pl. 341, fig. 5.  
 Devonian. United States, New York
- Crinoid Indet. 1 Jell *et al.*, 1988, p. 397, Fig. 7, nos. A-F. Webster, 1993, p. 42.  
 Devonian, late Emsian or Eifelian, Burges Formation. Australia, Queensland
- Crinoid Indet. 2 Jell *et al.*, 1988, p. 397, Fig. 27, nos. N-O. Webster, 1993, p. 42.  
 Devonian, Givetian, Burdekin Formation. Australia, Queensland
- Crinoid indet sp. A Donovan, 1993a p. 15. = Camerate indet. sp. A
- Crinoid indet sp. B Donovan, 1993a p. 15. = Camerate indet. sp. B
- Crinoid indeterminate 1 Webster *et al.*, 2004, p. 62, Pl. 15, fig. 15.  
 Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria
- Crinoid indeterminate 2 Webster *et al.*, 2004, p. 62.  
 Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria
- Crinoid indeterminate #1 Webster and Ariunchimeg, 2004, p. 487, Fig. 7, no. 1.  
 Devonian, Emsian, Chuluun Formation. Mongolia, Shine Jinst
- Crinoid morphologic illustrations Tien and Mu, 1955, p. 89-90, Figs. 24-28. Author  
 unknown, 1974, p. 725-726, Figs. 5-8 (some of same figures used in Tien and Mu,  
 1955). (diagramatic)
- Crinoid morphology Sun, 1955, p. 89, Figs. 24-28 (diagramatic).
- Crinoid packstone Stemmerik, 1989, p. 691, Fig. 5. Webster, 1993, p. 42.  
 Pennsylvanian, early Moscovian, Ingolf Fjord Member, Kap Jungersen Formation.  
 Greenland
- Crinoid plate  
 Walter, 1953, Pl. 73, fig. 8. Webster, 1973, p. 272 (primibrach).  
 Permian, Ochoan, Rustler Formation. United States, Texas  
 Easton, 1962, p. 37, Pl. 4, fig. 9. Webster, 1973, p. 272 (tegmen plate).  
 Mississippian, Serpukhovian (Chesterian), Heath Formation. United States,  
 Montana  
 Heuer, 1958, p. 39, Pl. 1, fig. 1 (tegmen spine), fig. 2 (brach), fig. 3 (basal), fig. 4  
 (infrabasal? circlet), fig. 5 (brachial), figs. 6-7 (radial). Webster, 1973, p. 272.

Pennsylvanian, Desmoinesian, East Mountain Shale. United States, Texas  
 Smith, A. B., 1990, p. 438, Fig. 11, no. B. (brachial)  
 Mississippian, locality not given

Crinoid plates Savarese, Dodd, and Lane, 1997, p. 147, Fig. 1, no. E.  
 Mississippian, Salem Limestone. United States, Indiana

Crinoid plates Miller et al., 2008, p. 256, Fig. 12.6, nos. 1-2.  
 Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

Crinoid plates and spines Scheffel, 1968, p. 105, Pl. 3, fig. 1. Webster, 1977, p. 178.  
 Pennsylvanian, Desmoinesian, Brereton Limestone. United States, Illinois

Crinoid plates possibly related to *Palaeocrinus*? Sprinkle, 1971, p. D91, Fig. 1, nos.  
 38-40. Webster, 1977, p. 178.  
 Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

Crinoid plates possibly related to *Palaeocrinus*? Sprinkle, 1971, p. D94, Fig. 1, nos.  
 41-44. Webster, 1977, p. 178.  
 Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

Crinoid radial plate type A Pisera, 1994, p. 285, Pl. 59, fig. 7; on plate explanation  
 given as (probably *Trochocrinites*).  
 Ordovician, Katian (Ashgillian), Mojcza Limestone. Poland, Holy Cross Mountains

Crinoid radial plate type B Pisera, 1994, p. 285, Pl. 59, fig. 8; on plate explanation  
 given as (similar to *locrinus shelvensis* Ramsbottom, 1961).  
 Ordovician, Katian (Ashgillian), Mojcza Limestone. Poland, Holy Cross Mountains

Crinoid remains  
 Darton, 1892, p. 50, 5 Unnum. Figs. p. 51 (crowns and stems).  
 Early Silurian, roofing slates. United States, Virginia  
 Chapman, 1907, p. 70, Pl. 1, figs. 1-2.  
 Silurian. Australia, Victoria

Crinoid-rich lamina Savarese, Dodd, and Lane, 1997, p. 148, Fig. 1, no. F.  
 Mississippian, Serpukhovian (Chesterian), Elwren Formation. United States, Indiana

Crinoid spines, primibrachial Priest, 1972, Unnum. Fig. lower upper-left p. 85.  
 Webster, 1977, p. 178.  
 No age or locality given

Crinoid spines, umbrella type Priest, 1972, Unnum. Fig. upper-left p. 85. Webster,  
 1977, p. 178 (tegmen summit spines).  
 No age or locality given



- Crinoid stems and plates Newell *et al.*, 1953, p. 165, Pl. 35, fig. 7 (tegmen spine or spined brachial), fig. 8 (tegmen plate or theca plate), fig. 9 (tegmen spine or spined primibrach), fig. 10 (primibrach), fig. 11 (basal). Webster, 1973, p. 273. Early Permian, Copacabana Group. Peru
- Crinoid undetermined Easton, 1942, p. 84, Pl. 2, fig. 6. Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas
- Crinoid uniserial arm ossicle Clausen *et al.*, 2009, p. 264, Fig. 1, no. B. No age or locality given
- Crinoid with a subtegminal mouth Ausich and Kammer, 2010b, pl. 116. Diagramatic
- Crinoid with a suprategminal mouth Ausich and Kammer, 2010b, p. 116. Diagramatic
- Crinoïde du groupe des Camerata (*Cactocrinus*) Termier, H. and Termier, G., 1952, p. 168, Pl. 16, fig. 5. No age of locality given
- Crinoïde du groupe des Flexibilia Termier, H. and Termier, G., 1952, p. 168, Pl. 16, fig. 6. No age of locality given
- Crinoids Donovan, 2011a, p. 128, Figs. 3-4. (diagramatic)
- Crinoïde du groupe des Disparata Termier, H. and Termier, G., 1952, p. 168, Pl. 16, fig. 7. No age of locality given
- Crinoïde ou Cystoïde de genre indéterminé Thoräl, 1935, p. 119, Pls. 6, fig. 6; 10, figs. 3a-3b; 11, fig. 1. Ordovician, Arenigian. France
- Crinoïde sp. indet. Hauser, 1997, Pl. 61, fig. 1. Devonian, horizon not given. Germany
- Crinoïde sp. indet. (?Neue Gattung/Art) Hauser, 2001, Pl. 26, fig. 7. Devonian, Eifelian, Junkerberg Formation. Germany
- Crinoïde sp. indet. (probably a new genus) Hauser, 2001, Pl. 3, fig. 4. Devonian, Eifelian. Germany
- Crinoïde sp. indet. A Hauser, 2002, p. 59, Pl. 9, fig. 3; Figs. 48-49. Devonian, Frasnian. Belgium

- Crinoide sp. indet. A Hauser, 2003, p. 41, Pl. 1, figs. 10-12; Fig. 59.  
Devonian, Frasnian, Neuville Formation. Belgium
- Crinoide sp. indet. B Hauser, 2002, p. 60, Pl. 10, fig. 1.  
Devonian, Frasnian. Belgium
- Crinoide sp. indet. B (Gruppe der Calceocrinidae?) Hauser, 2003, p. 41.  
Devonian, Frasnian, Neuville Formation. Belgium
- Crinoide sp. indet. C Hauser, 2002, p. 60, Pl. 10, fig. 6.  
Devonian, Frasnian. Belgium
- Crinoide sp. indet. C (Crinoids aus der Gruppe der Flexibilia) Hauser, 2003, p. 42, Pl. 9, fig. 1.  
Devonian, Frasnian, Neuville Formation. Belgium
- Crinoide sp. indet. D Hauser, 1997 = *Megardiocrinus piriculatiformis*
- Crinoide sp. indet. D Hauser, 2002, p. 61, Pl. 10, fig. 4.  
Devonian, Frasnian. Belgium
- Crinoidea indet. Bohatý, 2006d, p. 247, Fig. 2, no. 8.  
Devonian, Givetian, lower part of Plattenkalks. Germany
- Crinoidea sp. indet. Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 9.  
Devonian, late Emsian, Aguión Formation. Spain
- Crinoidea sp. indet. Hauser, 2008, Pl. 13, fig. 10.  
Devonian, Eifelian. Germany
- Crinoidea sp. indet. Gruppe Flexibilia Hauser, 2008, Pl. 14, fig. 2.  
Devonian, Eifelian. Germany
- Crinoidea Cladida n. gen. n. sp. Gil Cid, *et al.*, 1998 = Cladida n. sp.
- Crinoidea I Laursen, 1943, p. 12.  
Middle Silurian. Denmark
- Crinoidea II Laursen, 1943, p. 13, Pl. 2, fig. 1. Webster, 1973, p. 273 (crown).  
Middle Silurian. Denmark
- Crinoidea Malakhova, 1969, Pls. 19, fig. 155; 20, fig. 156 (plate fragments, thin-sections); Pls. 20, fig. 157; 21, figs. 161-162 (brachials, probably three different species); Pl. 27, fig. 206 (cup?, thin-section). Webster, 1977, p. 179.  
Late Devonian - Mississippian. Russia, southern Urals
- Crinoidea A Lochman and Hu, 1960, p. 826, Pl. 98, figs. 53-55. Webster, 1973, p. 273 (indeterminate echinoderm plate).

- Late Cambrian, Du Noir Limestone. United States, Wyoming
- Crinoidea B Lochman and Hu, 1960, p. 826, Pl. 99, fig. 55. Webster, 1973, p. 273  
(indeterminate echinoderm plate).  
Late Cambrian, Du Noir Limestone. United States, Wyoming
- Crinoidea Cladida n. gen. n. sp. Gil Cid et al., 1998 = Cladia n. sp.
- Crinoidea (fragment?) Malakhova, 1969, Pls. 28, fig. 215; 29, fig. 218 (thin-sections).  
Webster, 1977, p. 179.  
Late Devonian. Russia, southern Urals
- ?Crinoidea gen. et sp. Yin and Lu, 1937 = *Carolicrinus* n. sp.
- Crinoidea gen. et sp. nov. Prokop and Petr, 1990, p. 37. Webster, 1993, p. 42.  
*Pernerocrinus?* sp. indet. Bouska, 1946a, p. 21, Pl. 4, figs. 4-4a. Webster, 1973, p.  
203. Prokop and Petr, 1990, p. 37. Webster, 1993, p. 42.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia
- Crinoidea, imprint of arms Zakowa, 1958, p. 126, Pl. 10, fig. 4e. Webster, 1977, p.  
179.  
Mississippian. Poland
- Crinoidea incertae sedis Gen. et spec. ind. 1 Wanner, 1916, p. 317, Pl. 114(19), fig. 23  
(brachial).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 2 Wanner, 1916, p. 317, Pl. 97(1), fig. 12.  
Wanner, 1924b, p. 322, Pl. 20, figs. 30-32 (brachial).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 3 Wanner, 1924b, p. 323, Pl. 22, figs. 19-20  
(partial cup).  
Permian, series uncertain. West Timor, Nefotassi
- Crinoidea incertae sedis Gen. et spec. ind. 4 Wanner, 1924b, p. 323, Pls. 21, fig.  
3; 22,  
fig. 13 (basal).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 5 Wanner, 1924b, p. 324, Pl. 22, figs. 5-6  
(basal).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 6 Wanner, 1924b, p. 324, Pl. 22, figs. 1-2  
(basal).  
Permian, series uncertain. West Timor, Basleo

- Crinoidea incertae sedis Gen. et spec. ind. 7 Wanner, 1924b, p. 325, Pl. 22, fig. 3 (tegmen plate).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 8 Wanner, 1924b, p. 325, Pl. 22, fig. 4 (cup base and proximal stem segments).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 9 Wanner, 1924b, p. 326, Pl. 21, fig. 9 (cup base and proximal stem segment).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 10 Wanner, 1924b, p. 327, Pl. 21, figs. 10-11 (basal circlet).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 11 Wanner, 1924b, p. 328, Pl. 21, figs. 1-2 (cup base and proximal stem segment).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 12 Wanner, 1924b, p. 328, Pl. 21, figs. 4-6 (spinose basal or tegmen plate).  
? *Hydreionocrinus* spec. Wanner, 1916, p. 166, Pl. 9, fig. 12.  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 13 Wanner, 1924b, p. 329, Pl. 21, figs. 7-8 (spinose tegmen plate).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. et spec. ind. 14 Wanner, 1924b, p. 329, Pl. 22, figs. 7-9 (biserial arm fragment).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov. ind. 2 Wanner, 1916, p. 315, Pl. 114(19), fig. 22 (brachial).  
Permian, series uncertain. West Timor, Niki Niki
- Crinoidea incertae sedis Gen. nov. et spec. nov. ind. 3 Wanner, 1916, p. 316, Pl. 114(19), fig. 21 (radial).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov. ind. 1 Wanner, 1916, p. 314, Pl. 114(19), figs. 19-20. Wanner, 1924b, p. 318, Pl. 22, figs. 15-16. (*Calceolispongia* basal, GDW)  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov. ind. 4 Wanner, 1924b, p. 318, Pl. 22, figs. 17-18. (*Calceolispongia* basal, GDW)

- Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov ind. 5 Wanner, 1924b, p. 319, Pl. 22, fig. 14 (radial).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov ind. 6 Wanner, 1924b, p. 320, Pl. 22, figs. 21-23 (cup).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea incertae sedis Gen. nov. et spec. nov ind. 7 Wanner, 1924b, p. 321, Pl. 22, figs. 10-12 (uncertain plate).  
Permian, series uncertain. West Timor, Basleo
- Crinoidea indet.  
Branisa, 1965, Pl. 54, fig. 43 (biserial arm fragment); Pl. 55, figs. 19-19a (infrabasal circlet). Webster, 1977, p. 179.  
Early Permian, Copacabana Group. Bolivia  
Branisa, 1965, Pl. 6, fig. 1 (basal plates). Webster, 1977, p. 179.  
Ordovician, Darriwilian (Llanvirnian). Bolivia
- Crinoidea indet. 1 Branisa, 1965, Pl. 23, fig. 1. Webster, 1977, p. 179 (three advanced inadunate crowns).  
Early Devonian. Bolivia
- Crinoidea indet. 2 Branisa, 1965, Pl. 23, fig. 2. Webster, 1977, p. 179 (calyx, order indeterminate).  
Early Devonian. Bolivia
- Crinoidea indet. 6 Branisa, 1965, Pl. 23, fig. 22. Webster, 1977, p. 179 (anal tube? plates).  
Devonian. Bolivia
- Crinoidea indet. 7 Branisa, 1965, Pl. 23, fig. 1. Webster, 1977, p. 179 (two cladid crowns).  
Devonian. Bolivia
- Crinoidea indet. 8 Branisa, 1965, Pl. 23, fig. 1. Webster, 1977, p. 179 (camerate?).  
Devonian. Bolivia
- Crinoidea (plate fragment) Malakhova, 1969, Pls. 16, fig. 130; 17, fig. 138; 19, fig. 153 (thin-sections). Webster, 1977, p. 180.  
Late Devonian. Russia, southern Urals
- Crinoideal pelvis Garner, 1844, p. 461, Pl. A, fig. 5.  
Silurian. United Kingdom
- Crinoideal plate Herrick, 1888, p. 103, Pl. 1, fig. 28.

Mississippian, Tournaisian, Waverly Group. United States, Ohio

Crinoideal remains Foerste, 1893 = *Stereoaster squamosus* (an asteroid)

Crinoideal remains

Foerste, 1888, Pl. 8, figs. 39-44.

**Note**, there are two plates VIII in this volume and no plate XIII. Foerste's plate was supposed to be plate XIII and there is no plate explanation for it. The plate is reprinted in Foerste, 1893.). Foerste, 1893b, Pl. 27, figs. 39-44 (at least 5 taxa represented, GDW).

Silurian, Clinton Group. United States, Ohio

Kindle, 1914, Fig. 6.

Ordovician, Katian, Trenton Limestone. Canada, Ottawa

Newell *et al.*, 1953, Pl. 23, fig. 46 (infrabasal? circlet), fig. 48 (radial or primibrachial).

Newell, *et al.*, 1972, p. 227, Pl. 23, figs. 46 (basal circlet), 48 (radial or primibrachial). Webster, 1973, p. 273.

Permian, Guadalupian, Lamar Limestone. United States, Texas

Lee, 1872, p. 388, Figs. 1-2.

Devonian. United Kingdom

Crinoidearum ordo, fam., gen. et spp. ind. Prokop and Petr, 1990, p. 16.

*Caleidocrinus* (*Caleidocrinus*) *multiramus*? Waagen and Jahn, 1899. Prokop and Petr, 1990, p. 35. Webster, 1993, p. 43.

Ordovician, Darriwilian (Llandeilian), Dobrotiva Formation. Czech Republic

Eléments divers isoles Waagen and Jahn, 1899, Pl. 78, fig. 2, nos. 1-11 (only).

Prokop and Petr, 1990, p. 60. Webster, 1993, p. 43.

Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

Eléments divers isoles Waagen and Jahn, 1899, Pl. 78, fig. 3, nos. 3-4 (only).

Prokop and Petr, 1990, p. 61. Webster, 1993, p. 43.

Silurian, late Wenlockian, Liten Formation. Czech Republic

*Encrinites laetus* Waagen and Jahn, 1899. Prokop and Petr, 1990, p. 31. Webster, 1993, p. 43.

Ordovician, Katian (Ashgillian), Kraluv Dvur Formation. Czech Republic

*Encrinites laso* Waagen and Jahn, 1899, Pl. 77, figs. 14, nos. 1-2; 15, nos. 1-2; 16, figs. 1-2 only. Prokop and Petr, 1990, p. 31 (parts of ?arms and ?stems).

Webster, 1993, p. 43.

Silurian, Wenlockian, Liten Formation. Czech Republic

*Pernerocrinus paradoxus* Bouska, 1946a, Pl. 4, fig. 3 (only); 1946b, p. 19, Pl. 4, fig. 3 (only). Prokop and Petr, 1990, p. 37. Webster, 1993, p. 43.

Devonian, Pragian, Koneprusy Limestone. Czech Republic

*Pisocrinus minutus* Bouska, 1956a, Pl. 2, figs. 9-9a (only). Prokop and Petr, 1990, p. 33. Webster, 1993, p. 43.

Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

Genre indéterminé Waagen and Jahn, 1899, Pl. 62, figs. 21-24. Prokop and Petr, 1990, p. 52 (isolated cup plates). Webster, 1993, p. 43.

Silurian, Ludlovian, ?Kopanina Formation. Czech Republic, Bohemia

*Syndetocrinus bohemicus* Bouska, 1946a, Pl. 2, figs. 10-10a. Bouska, 1946b, p. 15,

Pl. 2, figs. 10-10a. Prokop and Petr, 1990, p. 16 (fragment of arms). Webster, 1993, p. 43.

Silurian, Ludlovian, basal part of Kopanina Formation. Czech Republic, Bohemia

?Crinoideorum ordo, fam., gen. et sp. ind. Prokop and Petr, 1990, p. 13-14.

*Encrinites laso* Waagen and Jahn, 1899, Pls. 77, figs. 17, nos. 1-4; 17, no. 4; 18, nos. 1-2; 19, nos. 1-2 only. Prokop and Petr, 1990, p. 31 (parts of ?arms). Webster, 1993, p. 43.

Silurian, Wenlockian, Liten Formation. Czech Republic

Crinoidenkelches mit dreitheiliger basis. Zittel, 1895, p. 114, Fig. 220. (diagramatic)

Crinoideorus gen. et sp. indet. Schmidt, W. E., 1942, p. 218, Fig. 62. Webster, 1973, p. 273 (crinoid arm).

Devonian, Emsian, highest Coblenz Beds. Germany

Crinoides Poncet, 1972, p. 52, Figs. 5-8, 10 (diagramatic stems and cup plates). Webster, 1977, p. 180.

Devonian, Pragian (late Siegenian), Horizon recifal de Baubigny. Belgium

Crinoides novi generis Hisinger, 1837 = *Pycnosaccus scrobiculatus*

#### Crinoids

MacNair, 1917, p. 2291, Pl. 12, fig. 6 (thin-section).

Mississippian, Viséan, Lower Limestone Group, Blackbyre Limestone. United Kingdom, Scotland

(probably *Endelocrinus* sp.) Rollins, Carothers, and Donahue, 1979, p. 97, Fig. 7. Webster, 1973, p. 322.

Pennsylvanian, Missourian (Conemaugh) Cambridge Limestone. United States, Ohio

Anderson, W. I., 1983, p. 161. Fig. 7.20. Webster, 1988, p. 61.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

Meyer and Ausich, 1983, p. 405, Fig. 6, nos. A-C. Webster, 1988, p. 61.

No stratigraphic data, diagramatic

Ettensohn, *et al.*, 1986, p. 214, Fig. 10 (diagramatic). Webster, 1993, p. 43.

Ordovician, Katian, Lexington Limestone, Sulphur Well Member. United States, Kentucky

Groessens, 1989, p. 184, Pl. 3, figs. 3-6 (crowns). Webster, 1993, p. 43.

Mississippian, Tournaisian. Belgium

Smith, 1990, Fig. 12.3 (diagramatic).

Early Paleozoic

Brower and Nye, 1991, p. 62, Fig. 13 (diagramatic).

Middle Devonian, Hamilton Group. United States, New York

Guensburg and Sprinkle, 1992, p. 4-9, Fig. 3 (diagramatic).

Late Cambrian, Middle Ordovician

Donovan, 2011a, p. 128, Figs. 3-4. (diagramatic)

- Crinoids, Stinchcomb, 2008, p. 102, Fig. 06-32.  
Devonian, Siegenian or early Emsian, Bundenbach Formation. Germany,  
Bundenbach
- Crinoids complete Meyer and Ausich, 2009, p. 25, Fig. 19, no. E.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky
- Crinoids in sandstone Stinchcomb, 2008, p. 102, Fig. 06-34.  
Devonian or Mississippian, Famennian or Kinderhookian, Bushberg Sandstone.  
United States, Missouri
- Crinoids indeterminate Webster et al., 2004, p. 62.  
Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria
- Crinoids undesignated Brett, et al., 2007, p. 238, Fig. 8, no. B (diagramatic).  
Middle Devonian. United States, New York
- Crinoids undesignated Brett, Bartholomew, and Baird, 2007, p. 321, Fig. 15  
(diagramatic).  
Middle Devonian. United States, New York
- CRINOPHAGUS** Arendt, 1985. \**C. permiensis* Arendt, 1985.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Indocrinidae  
Arendt, 1985a, p. 74. Webster, 1988, p. 61.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species  
Permian, Artinskian. Russia, Ural Mountains
- \**Crinophagus permiensis* Arendt, 1985a, p. 75, Unnum. Fig. p. 72. Webster, 1988, p.  
61.  
Permian, Artinskian, Verkhneartin Substage, Sarga Horizon. Russia, Ural  
Mountains
- Crinosoma antiqua* Castelnau, 1843, p. 50, Pl. 25, fig. 1. (Description lacking; from  
illustration it is not certain if this is a set of arms, several pluricolumnals, or trace  
fossils, GDW.)  
Given as Silurian, probably Devonian. United States, New York
- Crinozoa Erdtmann and Prezbindowski, 1974, p. 358, Fig. 7. (diagramatic)  
Silurian, Niagaran. United States, Indiana
- Cromyocrinid? indeterminate Webster et al., 2004, p. 55, Pl. 15, fig. 19.  
Mississippian, late Viséan, Mazzer Formation. Algeria



Cromyocrinid radial plate Pabian and Holterhoff, 1988, p. 83, Fig. 1, no. G. Webster, 1993, p. 43.  
Pennsylvanian, Virgilian, Calhoun Shale. United States, Kansas

Cromyocrinid, unnamed n. gen. 1 Webster, 1981, p. 1196, Fig. 1. Webster, 1988, p. 61.  
Permian, Aritnsian (Wolfcampian). United States

Cromyocrinids indeterminate

Webster and Kues, 2006, p. 15.

Pennsylvanian, Morrowan, Osha Canyon Formation. United States, New Mexico  
Webster and Kues, 2006, p. 15.

Pennsylvanian, Desmoinesian, Flechado Formation. United States, New Mexico  
Webster and Kues, 2006, p. 15.

Pennsylvanian, Missourian or Virgilian, Madera Group. United States, New Mexico

Webster and Kues, 2006, p. 15.

Pennsylvanian, Virgilian, Alamitos Formation. United States, New Mexico

Webster and Kues, 2006, p. 15.

Pennsylvanian, Virgilian, Madera Group, upper white limestone, Jemez Springs Member. United States, New Mexico

Cromyocrinidae indeterminate A Webster et al., 2011, p. 42, Fig. 14, no. aa.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Cromyocrinidae indeterminate B Webster et al., 2011, p. 42, Fig. 6, no. u.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

**CROMYOOCRINUS** Trautschold, 1867. \**C. simplex* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Trautschold, 1867, p. 12. Zittel, 1880, p. 344, 360. Wachsmuth and Springer, 1886, p. 246 (170). Miller, S. A., 1889, p. 234. Bather, 1890b, p. 332. Zittel, 1895, p. 134, 137, Fig. 256. Lahusen, 1895, p. 149. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in* Zittel, 1900, p. 161, Fig. 255. Springer *in* Zittel, 1913, p. 224. Jaekel, 1918, p. 66. Wanner, 1924, p. 178. Moore and Plummer, 1938, p. 254. Moore and Plummer, 1940, p. 351. Bassler, 1938, p. 75. Bassler and Moody, 1943, p. 377. Moore and Laudon, 1943b, p. 60, Fig. 7. Moore, 1962b, p. 15, Fig. 10, no. 6. Arendt and Hecker, 1964, p. 90. Strimple and Watkins, 1969, p. 160. Strimple and Moore, 1971a, p. 24. Strimple and Moore, 1973, p. 54. Webster, 1973, p. 87. Webster, 1977, p. 60. Moore and Strimple *in* Moore and Teichert, 1978, p. T694, Fig. 457. Webster, 1981, p. 1190, Fig. 1. Smith, A. B., 1985, p. 172. Webster, 1986, p. 107. Webster, 1988, p. 61. Kammer and Ausich, 1993, p. 624.

Named, currently recognized species based on cups or crowns: 4 species. 1

Mississippian, Viséan; 3 Pennsylvanian, Moscovian

Pennsylvanian, Moscovian. Russia, Spain

Mississippian, Viséan (Osagean); Pennsylvanian, Morrowan. United States, Iowa, Texas

- Cromyocrinus buttsi* Miller and Gurley, 1890 = *Ulocrinus buttsi*
- Cromyocrinus cupoliformis* Yakovlev and Ivanov, 1956, p. 18, Pl. 8, fig. 6. Webster, 1973, p. 88.  
Pennsylvanian, Moscovian?. Russia, Moscow Basin
- Cromyocrinus geminatus* Trautschold, 1867 = *Dicromyocrinus geminatus* = *Moscovicrinus geminatus* = \**Mooreocrinus geminatus*
- Cromyocrinus geniculatus* Yakovlev and Ivanov, 1956, p. 18, Pl. 3, fig. 2. Arendt and Hecker, 1964, p. 90, Pl. 12, fig. 6. Webster, 1973, p. 88.  
Pennsylvanian, Moscovian (C<sub>2</sub>pd?). Russia, Moscow Basin
- Cromyocrinus globosus* (Meek and Worthen, 1873) = *Agassizocrinus globosus*
- Cromyocrinus globulus* Keyes, 1894 = *Agassizocrinus globosus*
- Cromyocrinus gracilis* Wetherby, 1880 = *Phanocrinus gracilis* = *Pentaramicrinus gracilis*
- Cromyocrinus grandis* Mather, 1915 = \**Mathericrinus grandis*
- Cromyocrinus* sp. cf. *C. grandis* Mather, 1915. Strimple, 1975h, p. 704, Pl. 1, figs. 13, 15. Webster, 1986, p. 107.  
Pennsylvanian, Morrowan, Magdalena Formation, LaTuna Member. United States, Texas
- Cromyocrinus hemisphericus* (Worthen, 1882) = *Mantikosocrinus hemisphericus*
- Cromyocrinus kansasensis* Keyes, 1894 = *Ulocrinus kansasensis*
- Cromyocrinus longimanus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 377.  
Pennsylvanian. Russia, Moscow area
- Cromyocrinus nodosus* Jaekel, 1918 = *Cromyocrinus ornatus* = *Dicromyocrinus ornatus*
- Cromyocrinus nuciformis* (M'Coy, 1849) = *Ureocrinus brockschii*
- Cromyocrinus orbicularis* (Hall, 1861). Kammer and Ausich, 1993, p. 624, Figs. 5.1-5.7.  
*Scaphiocrinus orbicularis* Hall, 1861a, p. 311. Hall, 1861b, p. 7. Hall, 1861c, p. 311. Shumard, 1868, p. 395. Hall, 1872c, Pl. 5, figs. 7-9. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 265. Bassler and Moodey, 1943, p. 454. Kammer and Ausich, 1993, p. 624.  
*Eupachyocrinus orbicularis* (Hall, 1861). Miller, S. A., 1889, p. 245. Worthen, 1890,

- p. 97, Pl. 14, figs. 2-2a. Miller, S. A., 1897, p. 745. Weller, S., 1898c, p. 265. Grabau and Shimer, 1910, p. 512. Bassler and Moodey, 1943, p. 454. Kammer and Ausich, 1993, p. 624.
- Eratocrinus orbicularis* (Hall, 1861). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 454. Kammer and Ausich, 1993, p. 624.
- Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa
- Cromyocrinus ornatus* Trautschold, 1879 = *Dicromyocrinus ornatus*
- Cromyocrinus* belonging to *C. ornatus* group Yakovlev, 1944b, p. 116, Fig. 1.  
Mississippian. Russia, Talas Alatau
- Cromyocrinus papillatus* (Worthen, 1882) = *Mooreocrinus papillatus* = *Agassizocrinus papillatus*
- Cromyocrinus patulus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 378.  
Pennsylvanian. Russia, Moscow area
- Cromyocrinus sangamonensis* Wachsmuth and Springer, 1886 = *Ulocrinus sangamonensis*
- \**Cromyocrinus simplex* Trautschold, 1867, p. 10, Pl. 3, figs. 1-4; Unnum. Fig. Trautschold, 1879, p. 117, Pl. 14, figs. 6-8. Trautschold, 1882, p. 154, Pl. 14, figs. 5-7. Keyes, 1888, p. 234, Pl. 1, fig. 6. Lahusen, 1895, p. 149, Fig. 202. Clarke, 1909b, Pl. 6, figs. 3-4. Clarke, 1921b, p. 76, Fig. 64. Yakovlev, 1922b, p. 294, Figs. 1-3. Yakovlev, 1926f, p. 119, Figs. 2-4. Yakovlev, 1939a, p. 65, Pl. 12, figs. 1, 8-9. Yakovlev, 1939c, p. 146, Figs. 1-7. Yakovlev, 1939d, p. 146, Figs. 1-7. Bassler and Moodey, 1943, p. 378. Wright, J., 1945, p. 116, Pl. 3, fig. 20. Melendez, 1947, p. 335, Fig. 177. Yakovlev, 1956a, p. 114, Figs. 43, nos. 1-3; 45, nos. 1-7. Yakovlev and Ivanov, 1956, p. 15, Pl. 3, figs. 3-5. Yakovlev, 1957, p. 12, Figs. 3a-3b. Yakovlev, 1958, p. 101, Figs. 43, nos. 1-3; 45, nos. 1-7. Ivanova, 1958, p. 132, Pl. 11, fig. 4; 12, fig. 5; Figs. 2, 56b. Arendt, 1961, p. 102, Fig. 1. Yakovlev, 1964a, p. 103, Figs. 45, 47. Yakovlev, 1964b, p. 70, Fig. 110. Arendt and Hecker, 1964, p. 90, Pl. 12, figs. 7-8. Webster, 1973, p. 88. Mironova and Yeltyschewa, 1978, p. 25, Fig. 2. Moore and Strimple *in* Moore and Teichert, 1978, p. T694, Fig. 458, no. 2. Smith, A. B., 1985, p. 172, Pl. 7.4.30. Webster, 1986, p. 107. Webster, 1988, p. 62. Simms *in* Hess et al., 1999 p. 36, Fig. 59, nos. a-b.
- Pennsylvanian, Moscovian. Russia, Mjatschkowa
- Cromyocrinus* sp. aff. *C. simplex* Trautschold, 1867. Breimer, 1962a, p. 170, Pl. 15, figs. 13-15. Webster, 1973, p. 88.  
Pennsylvanian, Moscovian, Cotarasso Limestone. Spain
- Cromyocrinus verticillatus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 378.

Pennsylvanian, Russia, Moscow area

?*Cromyocrinus* sp. Lane et al., 1996 = *Metacromyocrinus* sp.

*Cromyocrinus* spp.

Wright, J., 1920a, p. 383, unfig.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland  
Easton, 1942, p. 84, Pl. 2, fig. 13.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Arkansas

Korejwo and Teller, 1968, p. 157, Pl. 1, fig. 7. Webster, 1977, p. 60.

Pennsylvanian (G<sub>2</sub>). Poland

Yakovlev, 1964b, p. 70, Fig. 111. Webster, 1973, p. 88.

Pennsylvanian. Russia, Moscow Basin

?*Cromyocrinus* spp.

Girty, 1915a, p. 34.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma  
Strimple and Nassichuk, 1974, p. 1151, Pl. 1, fig. 11; Fig. 1, no. a. Webster, 1986,  
p. 107.

Pennsylvanian, Desmoinesian, Canyon Fiord Formation. Canada, Ellesmere  
Island

Webster, 1981, p. 1190, Pl. 2, figs. 20-22. Webster, 1988, p. 62.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona  
Eggert *et al.*, 1983, p. 137, Pl. 1, no. 3. Webster, 1988, p. 62.

Pennsylvanian, Desmoinesian, Carbondale Group, Petersburg Formation.  
United States, Indiana

**CROTALOCRINITES** Austin and Austin, 1843. \**Cyathocrinites rugosus* Miller, 1821.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.  
Gasterocomoidea, F. Crotalocrinitidae

Austin and Austin, 1842, p. 109. Austin and Austin, 1843, p. 198. Bronn, 1848, p.  
352. Bassler, 1915, p. 292. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p.  
378. Moore and Laudon, 1943b, p. 50, Fig. 4. Moore and Laudon, 1944, p. 153.  
Bouska, 1946a, p. 5, Figs. 3-4. Bouska, 1946b, p. 12, Figs. 3-4. Moore, 1950, p.  
37, Fig. 4, no. n. Bouska, 1950, p. 12, Figs. 3-4. Ubaghs, 1953, p. 750. Arendt  
and Hecker, 1964, p. 83. Moore and Jeffords, 1968, p. 16, Fig. 5, no. 4.

Webster,

1973, p. 88. Webster, 1977, p. 60. Lane and Moore *in* Moore and Teichert,  
1978,

p. T591. Jell, 1982, p. 174. Webster, 1986, p. 107. Webster, 1988, p. 62.

Webster, 1993, p. 43. Donovan et al., 2010, p. 68.

**ANTHOCRINUS** Müller, J., 1853, p. 192. \**A. loveni* Müller, J., 1853. Roemer, C. F.  
*in* Bronn and Roemer, 1851, p. 255. Burmeister, 1856, p. 244. Pictet, 1857, p.  
312. Dujardin and Hupé, 1862, p. 117. Bigsby, 1868, p. 196. Bassler, 1915, p.  
316. Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 378.

*CROTALOCRINUS* Morris, J., 1843, p. 50. Bronn, 1848, p. 352. Morris, 1854, p. 75. Eichwald, 1860, p. 611. Bigsby, 1868, p. 19, 196. Zittel, 1880, p. 343, 356. Carpenter, P. H., 1885, p. 397. Wachsmuth and Springer, 1886, p. 145 (69). Wachsmuth and Springer, 1888, p. 364, Pls. 19-20. Wachsmuth and Springer, 1889b, p. 382. Zittel, 1895, p. 133. Koken, 1896, p. 279. Bather *in* Lankester, 1900, p. 176. Wachsmuth *in* Zittel, 1900, p. 150. Weller, S., 1900, p. 19. Grabau and Shimer, 1910, p. 561, Fig. 1897. Springer *in* Zittel, 1913, p. 216. Bassler, 1915, p. 292. Springer, 1926a, p. 128. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 378. Cuénot, 1948, p. 64. Webster, 1973, p. 88.

Named, currently recognized species based on cups or crowns: 9 species. 8 Silurian, 2 Niagaran, 3 Wenlockian, 1 Wenlockian – Ludlovian, 2 Ludlovian; 1 Silurian – Devonian, Wenlockian - Lochkovian

Silurian, Niagaran, Wenlockian - Ludlovian, ?Early Devonian. Europe, Russia, Australia

Silurian, Niagaran. United States

*Crotalocrinites baschkiricus* Yakovlev, 1949 = *Crotalocrinites pulcher*

*Crotalocrinites coniforme* Bouska, 1946a, p. 7, Pl. 1, figs. 7-9. Bouska, 1946b, p. 12, Pl. 1, figs. 6-6b. Bouska, 1950, p. 13, Pl. 1, figs. 6-9 (*non* figs. 6-6a, typographical error). Webster, 1973, p. 88. Prokop and Petr, 1990, p. 18-19. Webster, 1993, p. 44.

Silurian, Ludlovian, Kopanina Formation; Budnany Limestone. Czech Republic, Bohemia

*Crotalocrinites cora* (Hall, 1864). Weller, S., 1902, p. 532, Pl. 3, figs. 1-5. Springer, 1926a, p. 129, Pl. 26, fig. 17. Bassler and Moodey, 1943, p. 378. Moore and Laudon, 1944, p. 153, Pl. 54, fig. 30. Webster, 1973, p. 88.

*Cyathocrinus cora* Hall, 1864c, p. 324, Pl. 11, fig. 13. Hall, 1865, p. 20, Pl. 2, figs. 13-14. Hall, 1867b, p. 324, Pl. 11, figs. 13-14. Shumard, 1868, p. 362. Bigsby, 1868, p. 19. Hall, 1870, p. 366, Pl. 11, figs. 13-14. Miller, S. A., 1889, p. 235. Weller, S., 1900, p. 62, Pl. 14, figs. 6-10. Grabau and Shimer, 1910, p. 506. Bassler, 1915, p. 292. Bassler and Moodey, 1943, p. 378.

*Crotalocrinus cora* (Hall, 1864). Weller, S., 1902, p. 532, Pl. 3, figs. 1-5. Slocom, 1908, p. 292, Pl. 86, figs. 3-4. Bassler, 1915, p. 292.

*Crotalocrinus americanus* Weller, S., 1900, p. 143, Pl. 14, fig. 1. Grabau and Shimer, 1910, p. 561. Bassler, 1915, p. 292. Bassler and Moodey, 1943, p. 378.

Silurian, Niagaran, Racine Dolomite; Gower Dolomite. United States, Wisconsin, Illinois

*Crotalocrinites enodis* Widdison *in* Donovan et al., 2010, p. 71, Fig. 28.

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley

*Crotalocrinites pulcher* (Hisinger, 1840). Gurich, 1908, p. 45, Pl. 13, fig. 4. Bassler and Moodey, 1943, p. 378. Bouska, 1946a, p. 8, Fig. 7. Bouska, 1946b, p. 22,

- Fig. 7. Cuénot, 1948, p. 64, Fig. 81. Bouska, 1950, p. 22, Fig. 7. Ubaghs, 1953, p. 750, Fig. 83, no. c. Webster, 1973, p. 88. Lane and Moore *in* Moore and Teichert, 1978, p. T591, Fig. 380, no. 1d. Jell, 1982, p. 174, Fig. 1. Brett, 1984, p. 98, Fig. 7, no. A. Webster, 1986, p. 107. Webster, 1988, p. 62. Donovan et al., 2010, p. 69, Fig. 27.
- Cyathocrinites? pulcher* Hisinger, 1840, p. 6, Pl. 39, figs. 5a-5b.
- Cyathocrinus pulcher* (Hisinger, 1840). Bronn, 1848, p. 366. Bigsby, 1868, p. 196. Carpenter, P. H., 1885, p. 399, Unnum. Fig. p. 402. Neumayr, 1889, p. 469, Fig. 139. Zittel, 1895, p. 133, Fig. 255, nos. A-D. MacBride, 1906, p. 595, Fig. 274. Bassler and Moodey, 1943, p. 378.
- Crotalocrinus pulcher* (Hisinger, 1840). Angelin, 1878, p. 26, Pls. 7, figs. 5-7; 8, figs. 1-9a; 17, figs. 1-1d; 25, figs. 80-20. Zittel, 1880, p. 356, Fig. 244, nos. a-d. Wachsmuth and Springer, 1889b, p. 386, Pl. 20, figs. 1a-1b. Bather *in* Lankester, 1900, p. 176, Fig. 92, no. 3. Wachsmuth *in* Zittel, 1900, p. 150, Fig. 254, nos. A-D. Delage and Herouard, 1903, p. 379. Springer, 1926a, p. 130, Pl. 26, fig. 21. Bassler and Moodey, 1943, p. 378.
- Crotalocrinites baschkiricus* Yakovlev, 1949c, p. 15, Pl. 1, figs. 1-3. Arendt and Hecker, 1964, p. 83, Pl. 8, figs. 6-7. Webster, 1973, p. 88. Jell, 1982, p. 174. Webster, 1988, p. 62.
- Anthocrinus loveni* Müller, J., 1853, p. 192, Pl. 8, figs. 1-11. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 256. Pictet, 1857, p. 312, Pl. 100, fig. 8, nos. a-d (typographical error as *A. loweni* on plate explanation). Bronn, 1860, Pl. 27, figs. A-E. Dujardin and Hupé, 1862, p. 118. Bigsby, 1868, p. 196. Quenstedt, 1885, p. 943, Pl. 75, figs. 4-5. Wachsmuth and Springer, 1889b, p. 387. Frech, 1902, Pl. 11, fig. 10. Bassler, 1938, p. 42. Bassler and Moodey, 1943, p. 378. Late Silurian - Early Devonian?, Wenlock Limestone; Mt. Ida Formation. Sweden, Isle of Gotland; United Kingdom; Australia, Victoria; Russia, northern Bashkir
- \**Crotalocrinites rugosus* (Miller, 1821). Austin and Austin, 1843, p. 198. Bassler and Moodey, 1943, p. 379. Bouska, 1946a, p. 5, Pl. 1, figs. 1-5. Bouska, 1946b, p. 12, Pl. 1, figs. 1-5. Bouska, 1950, p. 12, Pl. 1, figs. 1-5. Ubaghs, 1953, p. 750, Fig. 83, nos. a-b. Arendt and Hecker, 1964, p. 83, Pl. 8, figs. 8-9. White, E., 1964, p. 96, Pl. 22, figs. 1-2. Webster, 1973, p. 88. Watkins and Hurst, 1977, p. 210, Figs. 4; 6, no. c. Webster, 1977, p. 60. Ubaghs *in* Moore and Teichert, 1978, p. T153, Fig. 124, no. 3. Lane and Moore *in* Moore and Teichert, 1978, p. T591, Fig. 380, nos. 1a-1c. Milicina, 1980, p. 200, Pls. 1, fig. 4; 2, figs. 1-2. Brett, 1984, p. 98, Fig. 7, no. A. Webster, 1986, p. 107. Turek, 1988, p. 373, Fig. 3. Webster, 1988, p. 62.
- Cyathocrinites rugosus* Miller, J. S., 1821, p. 89, Figs. 1-4 opposite p. 90. Fleming, 1828, p. 495. Phillips, 1839, p. 672, Pl. 18, fig. 3. Quenstedt, 1885, p. 942, Pl. 75, fig. 23; Figs. 349-349a. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 379. Masutomi and Hamada, 1966, p. 22, Pl. 11, fig. 5.
- Crotalocrinus rugosus* (Miller, 1821). Bronn, 1848, p. 352. Murchison, 1859, p. 247, Fig. 55, nos. 4-7. Bigsby, 1868, p. 19, 196. Salter, 1871, p. 481, Pl. 1. Murchison, 1872, p. 223, Pl. 13, fig. 3; Fossils Fig. 56, nos. 4-7. Salter, 1873, p.

- 123, Unnum. Fig. Baily, 1875, p. 42, Pl. 18, figs. 5a-5b. Angelin, 1878, p. 26, Pl. 7, fig. 4. Zittel, 1880, p. 356, Fig. 244, no. e. Quenstedt, 1885, p. 942, Pl. 75, figs. 2-3 (incorrectly given as Fig. 23 on p. 942). Wachsmuth and Springer, 1888, p. 386, Pls. 19, figs. 1-5; 20, figs. 2a-2b. Wachsmuth and Springer, 1889b, p. 386, Pls. 19, figs. 1-5; 20, figs. 2a-2b. Spiers, W., 1889, p. 179, Fig. 2, nos. 4-7. Zittel, 1895, p. 133, Fig. 255, no. E. Kutorga, 1899, p. 94. Wachsmuth *in* Zittel, 1900, p. 150, Fig. 254, no. E. Frech, 1902, Pl. 11, fig. 11a-11b. Delage and Herouard, 1903, p. 381, Fig. 458. Springer, 1926a, p. 129, Pl. 26, figs. 18-20. Bassler and Moodey, 1943, p. 379. Prokop and Petr, 1990, p. 44-45. Webster, 1993, p. 44.
- Cyathocrinus rugosus* (Miller, 1821). Bronn, 1848, p. 366. d'Orbigny, 1850, p. 46. Bigsby, 1868, p. 196.
- Cyathocrinus rugosus annulatus* Quenstedt, 1876, p. 508. Bassler and Moodey, 1943, p. 379.
- Cyathocrinus rugosus punctata* Quenstedt, 1876, p. 507. Bassler and Moodey, 1943, p. 379.
- ?*Helmintholithus entrochus verrucosus* Linnaeus, 1768, p. 168. Bassler and Moodey, 1943, p. 379.
- Encrinites verrucosus* Schlotheim, 1820, p. 333. Schlotheim, 1822-1823, p. 98, Pl. 27, figs. 1a-1c. Schlotheim, 1832, p. 25, Pl. 27, figs. 1a-1c. Bronn, 1848, p. 352. Bassler and Moodey, 1943, p. 379.
- Encrinites verrucosus* vars. *punctata* Schlotheim, 1820, p. 334. Bassler and Moodey, 1943, p. 379.
- Encrinites verrucosus* vars. *verrucosa* Schlotheim, 1820, p. 334. Bassler and Moodey, 1943, p. 379.
- Crotalocrinus verrucosus* (Schlotheim, 1820). Bather, 1892d, p. 202. Bassler and Moodey, 1943, p. 379. Donovan et al., 2008a, p. 43, Fig. 6, no. G (misspelled as *Crotalocrinus verucosus*). Donovan et al., 2008b, p. 336, Fig. 15.2, no. 5 (misspelled as *Crotalocrinus verucosus*).
- Encrinites punctatus* Schlotheim, 1820. Bronn, 1848, p. 352. Silurian, Wenlockian - Ludlovian, Much Wenlock Limestone Formation, Elkin and Isov Horizons; Kopanina Formation. United Kingdom; Sweden, Gotland; Norway; Russia, Ural Mountains, Podolia; Czech Republic, Bohemia
- Crotalocrinites rugulosus* Miller, 1821. Turek, 1990, p. 139, Pl. 2, figs. 3-4. Webster, 1993, p. 44. Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia
- Crotalocrinites superbus* (Angelin, 1878). Bassler and Moodey, 1943, p. 379. *Crotalocrinus superbus* Angelin, 1878, p. 26, Pl. 17, figs. 2-2b. Wachsmuth and Springer, 1889b, p. 387. Bassler and Moodey, 1943, p. 379. Silurian, Wenlockian. Sweden, Isle of Gotland
- Crotalocrinites vanhornei* (Miller, 1881). Bassler and Moodey, 1943, p. 379. *Cyathocrinus vanhornei* Miller, S. A., 1881c, p. 261, Pl. 6, fig. 3. Miller, S. A., 1889, p. 236. Weller, S., 1900, p. 64, Pl. 14, fig. 5. Bassler and Moodey, 1943, p. 379. *Cyathocrinites vanhornei* (Miller, 1881). Frest, 1977, p. 130. Webster, 1986, p. 115.

*Cyathocrinus vanhornii* Miller, 1881. Miller, S. A., 1889, p. 237 (sic). Bassler, 1915, p. 292 (sic).

*Crotalocrinus vanhornei* (Miller, 1881). Bassler, 1915, p. 292.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Crotalocrinites verucosus* (Schlotheim, 1820). Donovan et al., 2008a, p. 43, Fig. 6, no. G. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 5. Donovan et al., 2008a, p. 43, Fig. 6, no. G. Donovan et al., 2008b, Fig. 15.2.5. Donovan et al., 2010, p. 69, Pls.

16, figs. 1-3; 17, figs. 1-3. Donovan, 2012c, p. 2, Figs. 1-2.

Turban or Shropshire encrinite Parkinson, 1808, p. 203, Pl. 15, figs. 4-5, 7-8.  
Donovan et al., 2010, p. 69.

*Encrinites verucosus* Schlotheim, 1816-17, p. 333 (no illustration). Schlotheim, 1820, p. 333 (no illustration). Schlotheim, 1823, p.98, Pl. 27, figs. 1a-1c. Donovan et al., 2010, p. 69.

*Encrinites verucosus* variet *verucosa* Schlotheim, 1816-17, p. 333 (no illustration). Schlotheim, 1820, p. 333 (no illustration). Donovan et al., 2010, p. 70.

*Encrinites verucosus* variet *punctata* Schlotheim, 1816-17, p. 333 (no illustration). Schlotheim, 1820, p. 333 (no illustration). Donovan et al., 2010, p. 70.

*Cyathocrinites rugosus* Miller, 1821, p. 89, plate opposite p. 90. Donovan et al., 2010, p. 70.

Tortoise encrinite Cumberland, 1826, p. 17, figs 34-38. Donovan et al., 2010, p. 68.

*Encrinites verrucosus* Schlotheim, 1832, p. 25, Pl. 27, figs. 1a-1c. Donovan et al., 2010, p. 70.

*Cyathocrinites rugosus* Miller, 1821; Hisinger, 1837, p. 89, Pl. 25, figs. 3a-3f. Phillips,

1839, p. 672, Pl. 18, fig. 1. Garner, 1844, p. 456, Pl. a, fig. 6. Quenstedt, 1885, p.

942, Pl.75, figs. 2-3; Figs. 349-349a. Donovan et al., 2010, p. 70.

*Crotalocrinus rugosus* Miller, 1821; Murchison, 1854, p. 219, Pl. 13, fig, 3; fig.

Murchison, 1859, p. 247, Pl. 13, fig, 3; fig. Salter, 1859, p. 123, two unnumbered figs. Murchison, 1867, p. 223, Pl. 13, fig, 3, Fig. Murchison, 1872, p. 223, Pl. 13, fig, 3, Fig. Baily, 1875, p. 53, Pl. 18, figs. 5a-5b. Angelin, 1878, p. 26, Pl. 17, figs. 3-3b, 8-8a (*non* Pl. 7, fig. 4). Zittel, 1880, Fig. 244c. Taylor, 1885, Fig. 106, nos. 4-7. Spiers, 1889, p. 179, Fig. 2, nos. 4-7. Wachsmuth and Springer, 1889, p. 364, Pls. 19, figs. 1-5; 20, figs. 2a-2b. Zittel, 1895, Fig. 255E. Wachsmuth and Springer, 1897, Pl. 8, fig. 4. Wachsmuth *in* Zittel, 1900, Fig. 254E. Springer, 1926a, p. 129, Pl. 26, figs. 18-20. Donovan et al., 2010, p. 69-7-. "Fossils 38" figs. 4-7.

*Crotalocrinites rugosus* Miller, 1821; Frech, 1902, Pl. 11, figs. 11a-11b. Bouska, 1946a, p. 5, Pl. 1, figs. 1-5. Bouska, 1946b, p. 12, Pl. 1, figs. 1-5. Anon, 1964, p. 96, Pl. 22, figs. 1-2. Arendt and Hecker, 1964, p.83, Pl. 8, figs. 8-9. Watkins and Hurst, 1977, Fig. 4. Ubaghs, 1978, Fig. I24.3. Moore and Teichert, 1878, p.

T591,

Fig. 380, nos. 1a, 1c (*non* Fig. 3380, no. 1b). Milicina, 1980, p. 2000, Pl. 2, figs. 1-2 (*non* Pl. 1, fig. 4). Franzén, 1983, Fig. 2. Turek, 1988, p. 373, Fig. 3.

Donovan



et al., 2010, p. 70.

*Crotalocrinites rugosa* Miller; (sic) Brett, 1984, p. 98, Figs. 7B-7C. Donovan et al., 2010, p. 70.

**Note:** *Crotalocrinites verucosus* was placed in synonymy of *C. rugosus*. However if this is correct then *C. verucosus* becomes the type species by priority.

Silurian, Wenlockian. Sweden, Isle of Gotland

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United kingdom, Scotland

*Crotalocrinites* spp.

*Cystida subregularis* Barrande, 1887a, p. 82, Pl. 2, figs. 1-3. Bassler and Moodey, 1943, p. 148.

Silurian. Czech Republic, Bohemia

Ubaghs, 1953, p. 750, Fig. 83, no. d. Webster, 1973, p. 89.

Silurian

Ubaghs, 1953, p. 750, Fig. 111. Webster, 1973, p. 89.

Silurian

Lane and Moore *in* Moore and Teichert, 1978, p. T591, Fig. 380, no. 1e. Webster, 1986, p. 107.

Late Silurian. Sweden, Isle of Gotland

Gupta and Webster, 1980, p. 10, Pl. 2, figs. 10-11. Webster, 1986, p. 107.

Early - Late Silurian, basal beds of Tanze Formation. India, Ladakh

**Note**, most Gupta localities considered fraudulent, Webster, 1991a.

Donovan, 1983b, p. 20, Fig. 1, no. D. Webster, 1988, p. 62.

Silurian. no locality data

Turek, 1988, p. 373, Fig. 4 (diagrammatic reconstruction).

No age given

*Cystidea? subregularis* Barrande, 1887. Prokop and Petr, 1990, p. 48. Webster, 1993, p. 44.

Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

Donovan, 2011a, p. 133, Fig. 10. (panorama)

Silurian

*Crotalocrinitidae* gen. et sp. indet. Prokop and Petr, 1990, p. 60. Webster, 1993, p. 44.

Élément du calice Waagen et Jahn, 1899, p. 78, fig. 1, nos. 13-14. Prokop and

Petr, 1990, p. 60. Webster, 1993, p. 44.

Silurian, Ludlovian, ?Kopanina Formation. Czech Republic, Bohemia

*Crotalocrinitidae* gen. et sp. indet. Bouska, 1946 = *Trybliocrinus* sp.

*CROTALOCRINUS* Morris, 1843, and authors = ***CROTALOCRINITES***

*Crotalocrinus americanus* Weller, 1900 = *Crotalocrinites cora*

*Crotalocrinus cora* (Hall, 1864) = *Crotalocrinites cora*

*Crotalocrinus pulcher* (Hisinger, 1840) = *Crotalocrinites pulcher*

*Crotalocrinus rugosus* (Miller, 1821) = *Crotalocrinites rugosus*

*Crotalocrinus superbus* Angelin, 1878 = *Crotalocrinites superbus*

*Crotalocrinus vanhornei* Miller, 1881 = *Crotalocrinites vanhornei*

*Crotalocrinus verrucosus* Bather, 1892 = *Crotalocrinites rugosus*

*Crotalocrinus* sp.? Wachsmuth and Springer, 1889b, p. 385, Pl. 20, fig 3.  
Sinlurian, Wenlockian. United Kingdom

*Crotalocrinus* sp. und. Wachsmuth and Springer, 1889b, p. 385, Pl. 20, fig. 4.  
Silurian. Sweden

**CRUMENAECRINITES** Troost, 1850 = *PERIECHOCRINITES* = **PERIECHOCRINUS**

*Crumenaecrinites ovalis* Troost, 1850 = *Periechocrinus tennesseensis*

**CRUMENAECRINUS** Bather, 1900 = *PERIECHOCRINITES* = **PERIECHOCRINUS**

**CRYPHIOCRINUS** Kirk, 1929. \**C. girtyi* Kirk, 1929.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Phanocrinidae

Strimple, 1981c, p. 44. Kirk, 1929c, p. 153. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 379. Moore and Laudon, 1943b, p. 62. Webster, 1973, p. 89. Strimple, 1977c, p. 210. Moore and Strimple *in* Moore and Teichert, 1978, p. T693. Burdick and Strimple, 1983a, p. 70. Etensohn, 1984, p. 66, Fig. 1. Webster, 1986, p. 108. Webster, 1988, p. 62. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 44.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 2 Viséan, 2 Serpukhovian

Mississippian, Viséan - Serpukhovian (Chesterian). United States, Alabama, Oklahoma, Illinois

*Cryphiocrinus bowsheri* (Strimple, 1949) = *Mooreocrinus bowsheri* = *Exochocrinus* cf. *tumulosus*

*Cryphiocrinus dotsonae* Burdick and Strimple, 1983a, p. 77, Pl. 12, figs. 23-25.  
Webster, 1988, p. 62.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone, Hindsville Formation?.

United States, Alabama, Oklahoma

\**Cryphiocrinus girtyi* Kirk, 1929c, p. 158, Figs. 1-6. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 379. Strimple, 1977c, p. 211, Fig. 1. Moore and Strimple *in*

Moore and Teichert, 1978, p. T693, Fig. 456, nos. 3a-3d. Burdick and Strimple, 1983a, p. 71, Fig. 11, no. A. Webster, 1986, p. 108. Webster, 1988, p. 62. Mississippian, Viséan (Chesterian), Greenbrier Limestone. United States, West Virginia, Arkansas, Oklahoma

*Cryphiocrinus invaginatus* Burdick and Strimple, 1983a, p. 74, Pl. 12, figs. 17, 19-21; Fig. 11, no. B. Webster, 1988, p. 62. Mississippian, Serpukhovian (Chesterian), Pride Mountain Formation. United States, Alabama

*Cryphiocrinus rotundus* Kirk, 1929c, p. 159, Figs. 7-8. Bassler and Moodey, 1943, p. 379. Strimple, 1977c, p. 213, pl. 1, figs. a-c. Burdick and Strimple, 1983a, p. 71, Fig. 11, no. D. Webster, 1986, p. 108. Webster, 1988, p. 62. Mississippian, Viséan (Chesterian), Renault Formation. United States, Illinois

**CRYPTANISOCRINUS** Donovan, Doyle, and Harper, 1992. \**C. kirbridensis* Donovan, Doyle, and Harper, 1992, OD. Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Homalocrinidae Donovan, Doyle, and Harper, 1992, p. 263. Donovan et al., 2010, p. 113. Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species Silurian, late Llandoveryian. Ireland

*Cryptanisocrinus kilbridensis* Donovan, Doyle, and Harper, 1992 = *Cryptanisocrinus kirbridensis*

\**Cryptanisocrinus kirbridensis* Donovan, Doyle, and Harper, 1992, p. 253, Figs. 2-4. Donovan, 1996a, p. 197, Fig. 2, no. a. Donovan et al., 2007, p. 47, Fig. 12. Donovan et al., 2010, p. 113, Figs. 49-50. *Cryptanisocrinus kilbridensis* Donovan, Doyle, and Harper, 1992. Donovan, 1996, p. 197, Fig. 2, no. 1. Brower, 2001, p. 35, Fig. 6, no. 8. Silurian, late Llandoveryian, Kilbride Formation, Finny School Beds. Ireland

**CRYPTOCRINITES** von Buch, 1840, p. 36. Moore and Teichert, 1978, p. T928. (**Note:** Possibly a cystoid, GDW) Ordovician. Russia, St. Petersburg region

**CRYPTOCRINUS** von Buch, 1840, p. 60. Moore and Teichert, 1978, p. T928. (**Note:** Possibly a cystoid, GDW) Ordovician. Russia, St. Petersburg region

**CRYPTOCRINUS** Geinitz, 1846, p. 557. Moore and Teichert, 1978, p. T928.

**CRYPTODISCUS** Hall, 1865 = **CALLIOCRINUS**

*Cryptodiscus bilobus* Weller, 1897 = *Calliocrinus bilobus*

*Cryptodiscus corrugatus* Weller, 1897 = *Calliocrinus corrugatus*

*Cryptodiscus digitatus* Weller, 1897 = *Calliocrinus digitatus*

*Cryptodiscus hydei* Weller, 1897 = *Calliocrinus hydei*

*Cryptodiscus* sp. Weller, 1897 = *Calliocrinus* sp.

**CTENOCRINITES** Steininger, 1849 = **CTENOCRINUS**

**CTENOCRINUS** Bronn, 1840. \**C. typus* Bronn, 1840.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F. Melocrinitidae

Bronn, 1840, p. 542. Bronn, 1848, p. 355. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 103. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 253. Sandberger and Sandberger, 1850-1856, p. 395. Burmeister, 1856, p. 246. Pictet, 1857, p. 322.

Müller, J., 1858, p. 187. Eichwald, 1860, p. 608. Dujardin and Hupé, 1862, p. 136. Bigsby, 1868, p. 19. Shumard, 1868, p. 360. Zittel, 1880, p. 345. 372. Miller, S. A., 1889, p. 234. Jaekel, 1895a, p. 31. Bather *in* Lankester, 1900, p. 161. Wachsmuth *in* Zittel, 1900, p. 139. Kirk, 1929d, p. 342. Schmidt, W. E., 1934, p. 51. Bassler, 1938, p. 77. Bassler and Moodey, 1943, p. 379. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 200, Pl. 70, fig. 12. Ubaghs, 1953, p. 741, Fig. 82, nos. d-e. Ubaghs, 1958a, p. 741, Fig. 82, nos. d-e. Ubaghs, 1958b, p. 294, Fig. 16. Kesling, 1964a, p. 91. Webster, 1973, p. 169. Webster, 1977, p. 60. Ubaghs *in* Moore and Teichert, 1978, p. T492. Cowen, 1981, p. 334, Fig. 1. Webster, 1986, p. 108. Webster, 1988, p. 63. Jell, 1999a, p. 42. Südkamp, 2007, p. 187, Fig. 4. Franke, C., 2012, p. 31.

**ASTROCRINITES** Conrad, 1841, p. 34. \**A. pachydactylus* Conrad, 1841. Bassler, 195, p. 785. Bassler, 1938, p. 47. Bassler and Moodey, 1943, p. 379. Moore and Laudon, 1943b, p. 96. Kesling, 1964a, p. 91. Webster, 1973, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T492.

**ASTROCRINUS** Bather *in* Lankester, 1900 (*non* Morris, 1843), p. 161. Bassler, 1938, p. 47. Bassler and Moodey, 1943, p. 379. Moore and Laudon, 1943b, p. 96. Kesling, 1964a, p. 92. Webster, 1973, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T492.

**CTENOCRINITES** Steininger, 1849, p. 22. Steininger, 1853, p. 37. Bassler, 1938, p. 77. Bassler and Moodey, 1943, p. 380. Kesling, 1964a, p. 91. Webster, 1973, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T492.

**MARIACRINUS** Hall, 1858c, p. 278. \**M. nobilissimus* Hall, 1859. Hall, 1859b, p. 104. Shumard, 1868, p. 380. Bigsby, 1868, p. 21, 196. Salter, 1873, p. 122. Wachsmuth and Springer, 1881, p. 114, 118, 233 (288, 292, 407). Miller, S. A., 1889, p. 259. Wachsmuth and Springer, 1897, p. 281. James, 1897, p. 117. Bather *in* Lankester, 1900, p. 161. Wachsmuth *in* Zittel, 1900, p. 147. Springer *in* Zittel, 1913, p. 190. Bassler, 1915, p. 785. Ehrenberg, 1922c, p. 273. Goldring, 1923, p. 109. Springer, 1926a, p. 28. Kirk, 1929d, p. 337. Bassler,

1938, p. 129. Bassler and Moodey, 1943, p. 380. Cuénot, 1948, p. 69.  
Kesling, 1964a, p. 91. Webster, 1973, p. 170. Ubaghs *in* Moore and Teichert,  
1978, p. T492.

*LINDSTROEMIOCRINUS* Jaekel, 1918. \**Trochocrinites gotlandicus* Pander, 1858.  
Jaekel, 1918, p. 31. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 537.  
Moore and Laudon, 1943, p. 92 (as a junior synonym of *Ctenocrinus*). Ubaghs,  
1958b, p. 279. Webster, 1973, p. 169. Ubaghs *in* Moore and Teichert, 1978, p.  
T492.

Named, currently recognized species based on cups or crowns: 32 species, 7  
subspecies. 2 Silurian, 1 Niagaran, 1 Wenlockian; 30 Devonian, 1 Early  
Devonian series not given, 6 Lochkovian, 1 Pragian, 13 Emsian (+7  
subspecies), 2 Emsian – Eifelian, 5 Eifelian, 1 Frasnian, 1 Devonian series not  
given

Middle Silurian, Wenlockian - Late Devonian, Frasnian. Europe

Middle Silurian, Niagaran, Early Devonian, Helderbergian. United States

*CTENOCRINUS* Le Maitre, 1958 = ***OEHLERTICRINUS***

*Ctenocrinus acicularis* Follmann, 1887, p. 131, Pl. 2, figs. 4-4f. Jaekel, 1902, p. 1068,  
Fig. 11. Dienst, 1913, p. 601. Schmidt, W. E., 1942, p. 60, Pl. 22, fig. 3; Fig. 12.  
Wanner, 1943, p. 33, Unnum. Fig. p. 30. Bassler and Moodey, 1943, p. 380.  
Ubaghs, 1945a, p. 7, Pl. 1, fig. 9. Webster, 1973, p. 170. Webster, 1977, p. 60.  
*Melocrinites acicularis* (Follmann, 1887). Webster, 1973, p. 170.

*Ctenocrinus sculptus* Jaekel, Schmidt, W. E., 1942, p. 60. Webster, 1973, p. 170.  
Early Devonian, Emsian - Eifelian, upper part of Coblenzian Beds; Bichelbacher  
Schichten. Germany

*Ctenocrinus acidepressus* Schmidt, W. E., 1942, p. 62, Pl. 20, fig. 3; Fig. 13. Ubaghs,  
1945a, p. 14. Hefter, 1956, p. 170, Fig. 3. Webster, 1973, p. 170. Webster,  
1977, p. 60.

*Melocrinites acidepressus* (Schmidt, 1942). Webster, 1973, p. 170.  
Devonian, early Emsian. Germany

*Ctenocrinus aculeatus* Ubaghs, 1945a, p. 5, Pl. 1, figs. 1-8. Ubaghs, 1945b, p. 3, Pl. 1,  
figs. 5-7. Van Sant *in* Van Sant and Lane, 1964, p. 59, Fig. 20, no. 3. Webster,  
1973, p. 170.

*Melocrinites aculeatus* (Ubaghs, 1945). Webster, 1973, p. 170.  
Devonian, early Emsian. Belgium

*Ctenocrinus acutior* Schmidt, W. E., 1942, p. 63, Pl. 8, fig. 3; Fig. 14. Webster, 1973, p.  
170.

*Melocrinites acutior* (Schmidt, 1942). Webster, 1973, p. 170.  
Devonian, Emsian? (Coblenzian), Nellenköpchen Beds. Germany

*Ctenocrinus arduennensis* Closset, 1970, p. 2, Pls. 1-2; Figs. 1-6. Webster, 1977, p.  
60.

*Ctenocrinus gracilis* Jaekel, 1895a, p. 35, Fig. 7. Schmidt, W. E., 1934, p. 143, Fig.  
8, no. a. Bassler and Moodey, 1943, p. 380.

*Ctenocrinus* aff. *gracilis* Jaekel, 1895. Ubaghs, 1945a, p. 9, Pl. 2, figs. 1-5.  
 Ubaghs, 1945b, p. 4, Pl. 1, fig. 8. Closset, 1970, p. 2. Webster, 1973, p. 171.  
 Webster, 1977, p. 60.

*Melocrinites* aff. *gracilis* (Jaekel, 1895) (*non* Wachsmuth and Springer, 1897).  
 Webster, 1973, p. 171.

*Ctenocrinus* sp. Ubaghs, 1958b, p. 299, Fig. 17, nos. C. D. Closset, 1970, p. 2.  
 Webster, 1973, p. 173. Webster, 1977, p. 60.

*Ctenocrinus* sp. nov. Ubaghs, 1945a, p. 19, Fig. 3. Webster, 1973, p. 173.

*Melocrinites* sp. nov. Webster, 1973, p. 173.

Devonian, early Emsian, Hunsrückschiefer, Grupont Graywacke. Belgium

*Ctenocrinus bainbridgensis* (Hall and Whitfield, 1875) = *Melocrinites bainbridgensis*

*Ctenocrinus breviradiatus* (Hall, 1872) = *Melocrinites breviradiatus*

*Ctenocrinus clathratus* Schmidt, W. E., 1942, p. 78, Pl. 8, figs. 5-8; Fig. 20. Webster,  
 1973, p. 170.

*Melocrinites clathratus* (Schmidt, 1942). Webster, 1973, p. 170.

Devonian, Emsian? (early Coblenzian), Rittersturz Beds. Germany

*Ctenocrinus constrictus* (Wanner, 1942). New combination

*Melocrinus constrictus* Wanner, 1942, p. 34, Pl. 1, figs. 5a-5c; Fig. 4.

*Melocrinites? constrictus* (Wanner, 1942). Webster, 1973, p. 170. Hauser, 2002,  
 Tabs. 6-7.

Devonian, Eifelian. Germany

*Ctenocrinus decadactylus* (Tannenberg *in* Goldfuss, 1839). Roemer, C. F., 1844, p.  
 61. Bronn, 1848, p. 355. Sandberger and Sandberger, 1850-1856, p. 396, Pl.  
 35, fig. 15. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 255. Dujardin and  
 Hupé, 1862, p. 136. Roemer, F. A., 1866b, p. 220. Jaekel, 1902, p. 1068, Fig.

10.

Schmidt, W. E., 1942, p. 65. Bassler and Moodey, 1943, p. 380. Webster, 1973,  
 p. 170. Breuer, *et al.*, 1992, p. 60, Pl. 9, figs. 2-4.

*Actinocrinites decadactylus* Tannenberg, 1839, p. 342, Pl. 31, fig. 5. Bronn, 1848,  
 p. 14. Bassler and Moodey, 1943, p. 380.

*Actinocrinus decadactylus* (Tannenberg, 1839). Bronn, 1848, p. 355. Dujardin and  
 Hupé, 1862, p. 139.

*Melocrinites decadactylus* (Tannenberg, 1839). Webster, 1973, p. 170.

Devonian, Emsian? (Coblenzian). Germany

*Ctenocrinus* cf. *decadactylus* (Tannenberg *in* Goldfuss, 1839). Ubaghs, 1945a, p. 15.

Webster, 1973, p. 170. Franke, C., 2012, p. 37, Pls. 16, figs 5-6; 17, figs. 1-3.

*Melocrinites* cf. *decadactylus* (Tannenberg *in* Goldfuss, 1839). Webster, 1973, p.  
 170.

Devonian, late Emsian. Mulden group. Belgium; Germany, Rhenischen  
 Schiefergebirge

- Ctenocrinus decadactylus densalternans* Schmidt, W. E., 1942, p. 69, Fig. 16.  
 Ubaghs, 1945a, p. 16. Webster, 1973, p. 170.  
*Melocrinites decadactylus densalternans* (Schmidt, 1942). Webster, 1973, p. 170.  
 Devonian, Emsian. Germany; Belgium
- Ctenocrinus decadactylus elegans* Jaekel, 1895a, p. 32. Schmidt, W. E., 1942, p. 220.  
 Bassler and Moodey, 1943, p. 380. Webster, 1973, p. 89.  
 Devonian, Emsian. Germany
- Ctenocrinus decadactylus hercynicus* (Jaekel, 1895). Bassler and Moodey, 1943, p. 380.  
*Ctenocrinus decadactylus* var. *hercynica* Jaekel, 1895. Beushausen, 1900, p. 77.  
 Dahmer, 1921, p. 290, Pl. 16, fig. 1. Dahmer, 1922, p. 290, Pl. 16, fig. 1. Bassler and Moodey, 1943, p. 380.  
*Ctenocrinus hercynica* Jaekel, 1895a, p. 33 (not illustrated).  
 Devonian, Emsian?, Kahlenberg Sandstone. Germany
- Ctenocrinus decadactylus* var. *hercynica* Jaekel, 1895 = *Ctenocrinus decadactylus hercynica*
- Ctenocrinus gothlandicus* (Pander in Helmersen, 1858) = *Ctenocrinus gottlandicus*
- Ctenocrinus gottlandicus* (Pander in Helmersen, 1859). Webster, 1973, p. 170.  
*Trochocrinites gottlandicus* Pander in Helmersen, 1859, p. 312 (20), Pl. 3, figs. a-b, d-e only. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 537. Ubaghs in Moore and Teichert, 1978, p. T492. Webster, 1986, p. 108.  
*Trochocrinus gothlandi* (Pander, 1859). Bigsby, 1868, p. 23.  
*Periechocrinus gotlandicus* (Pander, 1859). Angelin, 1878, p. 7, Pl. 10, figs. 3-4.  
 Bassler and Moodey, 1943, p. 537.  
*Melocrinites gottlandicus* (Pander in Helmersen, 1859). Webster, 1973, p. 170.  
*Lindstroemiocrinus gotlandicus* (Pander, 1859). Jaekel, 1918, p. 31, Fig. 22.  
 Bassler and Moodey, 1943, p. 537.  
*Ctenocrinus gotlandicus* (Pander in Helmersen, 1859). Ubaghs, 1958, p. 279, Pl. 3, 4; Figs. 8-13, 16, 17, no. B. Webster, 1973, p. 170. Ubaghs in Moore and Teichert, 1978, p. T140, T144, T153, T173, T492, Figs. 112, no. 3; 117, no. 4; 125, no. 4; 127, no. 2; 146, no. 3; 296, no. 1a. Webster, 1986, p. 108.  
*Ctenocrinus gothlandicus* (Pander in Helmersen, 1859). Ubaghs, 1953, p. 741, Fig. 82, no. d  
 Silurian, Wenlockian, calcareous oolite and sandstone of Burgsvik. Sweden, Isle of Gotland
- Ctenocrinus gotlandicus* (Pander in Helmersen, 1858) = *Ctenocrinus gottlandicus*
- Ctenocrinus gracilis* Jaekel, 1895 = *Ctenocrinus arduennensis*
- Ctenocrinus* aff. *gracilis* Jaekel, 1895 = *Ctenocrinus arduennensis*
- Ctenocrinus granulatus* (Miller, 1891). Bassler and Moodey, 1943, p. 380.

*Mariacrinus granulosus* Miller, S. A., 1891c (adv. pub.). Miller, S. A. 1892a, p. 680.  
Miller, S. A., 1892b, p. 645, Pl. 6, fig. 35. Bassler, 1915, p. 786. Bassler and  
Moodey, 1943, p. 380.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Ctenocrinus hercynicas* Jaekel, 1895 = *Ctenocrinus decadactylus hercynicus*

*Ctenocrinus laevis* (Roemer, 1860) = *Cytocrinus laevis*

*Ctenocrinus lamellosus* (Eichwald, 1855). Wachsmuth and Springer, 1881, p. 230  
(404). Bassler and Moodey, 1943, p. 380.

*Melocrinus lamellosus* Eichwald, 1855, p. 120. Eichwald, 1860, p. 607, Pl. 33, figs.  
13a-13d. Bassler and Moodey, 1943, p. 380.

*Melocrinites lamellosus* (Eichwald, 1855). Bigsby, 1868, p. 22.  
Devonian: Estonia, Island of Sarema

*Ctenocrinus loricatus* Schmidt, W. E., 1942, p. 80, Pl. 8, figs. 1-2; Fig. 21. Webster,  
1973, p. 171.

*Melocrinites loricatus* (Schmidt, 1942). Webster, 1973, p. 171.  
Devonian, Emsian, Coblenz Quartzite. Germany

*Ctenocrinus malcontractus* Schmidt, W. E., 1934, p. 143, Pl. 6, fig. 2; Fig. 8, no. b.  
Bassler and Moodey, 1943, p. 380.

*Hexacrinus spinosus* Opitz, 1932, p. 93, Fig. 90. Bassler and Moodey, 1943, p.  
380.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Ctenocrinus melocrinoides* (Waagen and Jahn, 1899) = *Promelocrinus melocrinoides*

*Ctenocrinus nobilissimus* (Hall, 1859). Kirk, 1929d, p. 342. Bassler and Moodey, 1943,  
p. 381. Moore and Laudon, 1944, p. 200, Pl. 74a, fig. 15. Ubaghs, 1953, p. 741,  
Fig. 82, no. E. Webster, 1973, p. 171. Ubaghs *in* Moore and Teichert, 1978, p.  
T144, Fig. 117, no. 5. Webster, 1986, p. 108. Brett *in* Hess et al., 1999 p. 107,  
Fig. 118.

*Mariacrinus nobilissimus* Hall, 1859b, p. 105, Pls. 2, figs. 1-4; 2-A, fig. 1. Shumard,  
1868, p. 380. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 260. Jaekel, 1902, p.  
1068, Fig. 9. Bassler, 1915, p. 795. Bassler, 1938, p. 129. Bassler and Moodey,  
1943, p. 381. Kesling, 1964a, p. 92. Webster, 1973, p. 171.

*Melocrinus nobilissimus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 295, Pl.  
23, figs. 1a, 2-3. Bather *in* Lankester, 1900, p. 161, Fig. 74-2. Delage and  
Herouard, 1903, p. 383, Fig. 465. Grabau and Shimer, 1910, p. 556. Bassler,  
1915, p. 795. Goldring, 1923, p. 117, Pls. 6-7. Moore, 1939b, p. 202. Bassler  
and Moodey, 1943, p. 381.

*Melocrinites nobilissimus* (Hall, 1859). Kesling, 1964a, p. 92. Webster, 1973, p.  
171. Seilacher and Hauff, 2004, p.7, Fig. 5, nos. A-D.

*Tetranobasis nobilissima* (Hall, 1859). Moore, 1939b, p. 202.



*Mariacrinus beecheri* Talbot, 1905, p. 25, Pl. 1, fig. 3. Bassler, 1915, p. 785.  
Goldring, 1923, p. 114, Pl. 5, fig. 5; Fig. 36. Kirk, 1929d, p. 342. Bassler and  
Moodey, 1943, p. 381.

*Mariacrinus ramosus* Hall, 1859b, p. 147, Pl. 2, fig. 6. Shumard, 1868, p. 380.  
Biggsby, 1868, p. 21, 196. Miller, S. A., 1889, p. 260. Goldring, 1923, p. 111, Pl.  
5, figs. 3-4. Kirk, 1929d, p. 342. Bassler and Moodey, 1943, p. 381.  
Devonian, Lochkovian, Manlius/Coeymans transitional Limestone. United  
States, New York

*Ctenocrinus nodiferus* Follmann, 1882, p. 167. Schmidt, W. E., 1942, p. 86, Fig. 24.  
Bassler and Moodey, 1943, p. 381. Webster, 1973, p. 171.

*Melocrinites nodiferus* (Follmann, 1882). Webster, 1973, p. 171.  
Devonian, Emsian. Germany

*Ctenocrinus oehlerti* Jaekel, 1895a, p. 32. Bassler and Moodey, 1943, p. 381.  
Early Devonian. France

*Ctenocrinus ornatus* (Hall, 1852) = *Macrostylocrinus ornatus*

*Ctenocrinus pachydactylus* (Conrad, 1841). Kirk, 1929d, p. 342. Bassler and Moodey,  
1943, p. 381. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 8. Moore and  
Laudon, 1944, p. 200, Pl. 74, figs. 11, 14. Webster, 1973, p. 171. Brett *in* Hess  
et  
al., 1999 p. 105, Fig. 117.

*Astrocrinites pachydactylus* Conrad, 1841, p. 34. Mather, 1843, p. 347, Fig. 6.  
Shumard, 1868, p. 380. Bassler, 1915, p. 796. Bassler, 1938, p. 47. Bassler and  
Moodey, 1943, p. 381. Webster, 1971, p. 171. Webster, 1973, p. 171. Aldrich,  
2000, Pl. 13, fig. 6 between p. 192-193.

*Asterocrinus pachydactylus* (Conrad, 1841). Biggsby, 1868, p. 18.

*Mariacrinus pachydactylus* (Conrad, 1841). Hall, 1859b, p. 107, Pl. 3, figs. 1-4.  
Shumard, 1868, p. 380. Biggsby, 1868, p. 21. Miller, S. A., 1889, p. 260.  
Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 381. Wells, 1963, p. 59,  
Pl. 11, fig. 2. Stukalina, 1967, Fig. 4, no. 2. Webster, 1973, p. 171.

*Melocrinus pachydactylus* Wachsmuth and Springer, 1897, p. 296, Pls. 23, figs. 4-  
5; 24, figs. 4a-4b. Talbot, 1905, p. 27, Pl. 1, fig. 1. Grabau, 1906, p. 136, Fig.  
33. Grabau and Shimer, 1910, p. 556, Fig. 1889. Bassler, 1915, p. 796.  
Goldring, 1923, p. 119, Pl. 8, figs. 1-4. Bassler and Moodey, 1943, p. 381. Wells,  
1963, p. 59, Pl. 11, fig. 3. Webster, 1973, p. 171.

*Melocrinites pachydactylus* (Conrad, 1841). Webster, 1973, p. 171.

*Actinocrinites polydactylus* Bonny, 1835 (*non* Miller, 1821). Bassler and Moodey,  
1943, p. 381. Wells, 1963, p. 59, Pl. 11, fig. 1. Webster, 1973, p. 171.

*Actinocrinus polydactylus* (Bonny, 1835). Shumard, 1868, p. 380. Bassler, 1915,  
p. 796.

*Mariacrinus polydactylus* (Bonny, 1835). Miller, S. A., 1889, p. 260.

*Melocrinus (Mariacrinus) pachydactylus* Schultze, 1866, p. 66. Bassler, 1915, p.  
796.

*Melocrinus (Mariacrinus) paucidactylus* Schultze, 1866, p. 66. Bassler, 1915, p.  
796.

Staghorn Encrinite Bonny in Shepard, 1835, p. 363. Bassler, 1915, p. 796.  
Devonian, Lochkovian, Manlius/Coeymans transitional Limestone. United States,  
New York

*Ctenocrinus paucidactylus* (Hall, 1859). Kirk, 1929d, p. 342. Bassler and Moodey,  
1943, p. 381. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 7. Moore and  
Laudon, 1944, p. 200, Pl. 74, fig. 12. Webster, 1973, p. 172. Brower, 1974b, p.  
42, Fig. 19, nos. 1-6. Brett, 1981b, p. 361, Fig. 7, no. C. Webster, 1986, p. 108.  
Webster, 1988, p. 63. Jell, 1999a, p. 42, Figs. 27-30; 31, nos. A-E.

*Mariacrinus paucidactylus* Hall, 1859b, p. 109, Pl. 3, fig. 5. Shumard, 1868, p. 380.  
Biggsby, 1868, p. 21. Miller, S. A., 1889, p. 260. Bassler and Moodey, 1943, p.  
381. Webster, 1973, p. 171.

*Melocrinus paucidactylus* (Hall, 1859). Goldring, 1923, p. 122, Pls. 8, fig. 5; 9-11.  
Bassler and Moodey, 1943, p. 381.

*Melocrinites paucidactylus* (Hall, 1859). Webster, 1973, p. 171.

Devonian, Lochkovian (Helderbergian), Coeymans Limestone. United States, New  
York

Devonian, late Lochkovian, Mt. Ida Formation. Australia, Victoria

*Ctenocrinus pulvinatus* Luttig, 1951, p. 122, Pl. 9, figs. 1-3. Webster, 1973, p. 172.

*Melocrinites pulvinatus* (Luttig, 1951). Webster, 1973, p. 172.

Devonian, Pragian. Germany

*Ctenocrinus pyramidalis* Ubaghs, 1945a, p. 17, Pl. 2, figs. 6-7. Webster, 1973, p. 172.

*Melocrinites pyramidalis* (Ubaghs, 1945) (*non* Goldfuss, 1839). Webster, 1973, p.  
172.

Devonian, late Emsian; Belgium

*Ctenocrinus rhenanoides* Schmidt, W. E., 1942, p. 84, Pl. 22, fig. 1. Webster, 1973, p.  
172.

*Melocrinites rhenanoides* (Schmidt, 1942). Webster, 1973, p. 172.

Devonian, Emsian. Germany

*Ctenocrinus rhenanoides demissa* Schmidt, W. E., 1942, p. 85, Pl. 22, fig. 2. Webster,  
1973, p. 172. Breuer *et al.*, 1992, p. 60, Pls. 9, fig. 1; 10, fig. 1.

*Melocrinites rhenanoides demissa* (Schmidt, 1942). Webster, 1973, p. 172.

Devonian, Emsian, Hohenrheiner Schichten. Germany

*Ctenocrinus rhenanus* Follmann, 1887, p. 133, Pl. 2, fig. 3. Schmidt, 1942, p. 81, Fig.  
22. Bassler and Moodey, 1943, p. 382. Ubaghs, 1945b, p. 6, Pl. 1, figs. 1-2.

Webster, 1973, p. 172. Breuer *et al.*, 1992, p. 66, Pl. 12, fig. 3. Franke, C., 2012,  
p. 33, Pl. 13.

*Melocrinites rhenanus* (Follmann, 1887). Webster, 1973, p. 172.

Devonian, Emsian, Flaserschiefer; Mulden Gruppe. Belgium, Germany, Rhenischen  
Schiefergebirge

- Ctenocrinus rhenanus multiplex* Schmidt, W. E., 1942, p. 83, Pl. 18, fig. 3. Webster, 1973, p. 172.  
*Melocrinites rhenanus multiplex* (Schmidt, 1942). Webster, 1973, p. 172.  
 Devonian, Emsian late. Germany
- Ctenocrinus rhenanus simplex* Schmidt, W. E., 1942, p. 83, Pl. 20, fig. 4. Webster, 1973, p. 172.  
*Melocrinites rhenanus simplex* (Schmidt, 1942). Webster, 1973, p. 172.  
 Devonian, Emsian, Hohenrhein Beds. Germany
- Ctenocrinus rhenanus ulcifer* Schmidt, W. E., 1942, p. 83, Pl. 24, fig. 3. Webster, 1973, p. 172.  
*Melocrinites rhenanus ulcifer* (Schmidt, 1942). Webster, 1973, p. 172.  
 Devonian, Emsian. Germany
- Ctenocrinus rhenanus* ssp. K Franke, C., 2012, p. 35, Pls. 14-15; Fig. 6.  
 Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge
- Ctenocrinus rugosus* (Maillieux, 1940). New Combination  
*Melocrinus rugosus* Maillieux, 1940, p. 8. (non Trenkner, 1867)  
 Devonian, Frasnian, *Reticularia pachyrhyncha* Shales, Gougnies Formation;  
 Bovesse Formation; Chaudfontaine-Embourg Formation. Belgium
- Ctenocrinus rugosus* Schmidt, W. E., 1942 (non Maillieux, 1940), p. 74, Fig. 19.  
 Webster, 1973, p. 172.  
*Melocrinites rugosus* (Schmidt, 1942). Webster, 1973, p. 172.  
 Devonian, Emsian. Germany
- Ctenocrinus sculptus* Jaekel, 1895a p. 34. Bassler and Moodey, 1943, p. 382.  
 Devonian, Eifelian. Germany
- Ctenocrinus sculptus* Schmidt, 1942 = *Ctenocrinus acicularis*
- Ctenocrinus signatus* Schmidt, W. E., 1942, p. 72, Pl. 17, fig. 2; Fig. 18. Webster, 1973, p. 172. Jell, 1999a, p. 49, Figs. 31, no. F; 35.  
*Melocrinites signatus* (Schmidt, 1942). Webster, 1973, p. 172.  
 Devonian, Emsian. Germany  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria
- Ctenocrinus spectabilis* (Angelin, 1878) = *Melocrinites spectabilis* = *Promelocrinus spectabilis*
- Ctenocrinus stellaris* Roemer, 1851 = *Melocrinus stellaris* = *Melocrinites stellaris*
- Ctenocrinus stellifer* (Follmann, 1887), p. 133, Pl. 2, figs. 2-2b. Schmidt, W. E., 1942, p. 70, Pl. 8, fig. 4; Fig. 17. Bassler and Moodey, 1943, p. 382. Webster, 1973, p. 173. Jell, 1999a, p. 43, Figs. 32-34.  
*Melocrinites stellifer* Follman, 1887. Webster, 1973, p. 173.

Early Devonian, Emsian (Coblenzian). Germany  
Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Ctenocrinus stoloniferus* (Hall, 1859). Bassler and Moodey, 1943, p. 382.

*Mariacrinus stoloniferus* Hall, 1859b, p. 112, Pls. 3-A, fig. 2; 3-B, figs. 3-7.

Shumard, 1868, p. 380. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 260.

Goldring, 1923, p. 113, Pl. 59, figs. 1-5. Bassler and Moodey, 1943, p. 382.

Devonian, Lochkovian (Helderbergian), New Scotland Limestone. United Kingdom;  
United States, New York

*Ctenocrinus striatus* (Hall, 1863) = *Macrostylocrinus striatus*

*Ctenocrinus sulcatus* Trenkner, 1868, p. 9, Pl. 5, fig. 18. Bassler and Moodey, 1943, p. 382.

Devonian, Eifelian. Germany

\**Ctenocrinus typus* Bronn, 1840, p. 547, Pl. 8, fig. B. D'Archaic and Verneuil, 1842, p. 376, Pl. 37, fig. 7. Roemer, C. F., 1844, p. 60, Pl. 1, fig. 1. Bronn, 1848, p. 355. d'Orbigny, 1850, p. 103. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 254. Eichwald, 1860, p. 608. Dujardin and Hupé, 1862, p. 136. Bigsby, 1868, p. 19. Zittel, 1880, p. 372, Fig. 260, nos. a-c. Wachsmuth *in* Zittel, 1900, p. 147, Fig. 249, nos. A-C. Gürich, 1909, p. 109, Pl. 33, fig. 8. Springer *in* Zittel, 1913, p. 190, Fig. 288. Bassler, 1938, p. 78. Schmidt, W. E., 1942, p. 56, Pl. 20, fig. 6; Fig. 11. Bassler and Moodey, 1943, p. 382. Kesling, 1964a, p. 93. Webster, 1973, p. 173. Ubaghs *in* Moore and Teichert, 1978, p. T492, Fig. 296, no. 1b. Webster, 1986, p. 108.

*Melocrinus (Ctenocrinus) typus* Bronn, 1840. Zittel, 1895, p. 132, Fig. 251, nos. A-C. Goldring, 1923, p. 116, Pl. 12, fig. 1. Bassler and Moodey, 1943, p. 382.

*Melocrinites typus* (Bronn, 1840). Kesling, 1964a, p. 93. Webster, 1973, p. 173.

*Melocrinus typus* (Bronn, 1840). Steinmann and Döderlein, 1890, p. 158, Fig. 158, nos. A-B. Frech, 1902, Pl. 23, fig. 4. Steinmann, 1903, p. 175, Fig. 243, nos. A-B. Steinmann, 1907, p. 196, Fig. 278, nos. A-B.

Devonian, Eifelian, Rheinisches Schiefergebirge. Germany

*Ctenocrinus umbraculum* Luttig, 1951, p. 124, Pl. 9, figs. 6-7. Webster, 1973, p. 173.

*Melocrinites umbraculum* (Luttig, 1951). Webster, 1973, p. 173.

Devonian, Eifelian, Unnenbergen Beds. Germany

*Ctenocrinus unnenbergensis* Luttig, 1951, p. 124, Pl. 9, figs. 4-5. Webster, 1973, p. 173.

*Melocrinites unnenbergensis* (Luttig, 1951). Webster, 1973, p. 173.

Devonian, Eifelian, Unnenbergen Beds. Germany

*Ctenocrinus* advanced Brower, 1978, p. 42, Figs. 1-4. Webster, 1986, p. 108.

Devonian, Eifelian

*Ctenocrinus* n. sp. Sieverts-Doreck, 1957, p. 65. Webster, 1973, p. 173.

*Melocrinites* n. sp. Sieverts-Doreck, 1957. Webster, 1973, p. 173.

Devonian, Herdorf Beds. Germany

*Ctenocrinus* primitive Brower, 1978, p. 42, Figs. 1, 2, 4. Webster, 1986, p. 109.  
Late Silurian - Middle Devonian

*Ctenocrinus* sp. LeMaitre, 1958 = *Oehlerticrinus* sp.

*Ctenocrinus* sp. Ubaghs, 1958b = *Ctenocrinus arduennensis*

*Ctenocrinus* sp. Derived" Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
Early - Late Devonian.

*Ctenocrinus* sp. "Primitive" Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
Late Silurian - Middle Devonian

*Ctenocrinus* sp. A Le Menn in Le Menn and Racheboeuf, 1976, p. 308, Pl. 30, figs. 17-18; Fig. 10. Le Menn, 1985, p. 64, Pl. 10, fig. 13; Fig. 79, no. D. Webster, 1986, p. 109.  
Devonian, late Emsian, Montguyon Formation. France, Armorican Massif

*Ctenocrinus* sp. indet. Ubaghs, 1945a, p. 3, fig. 1. Ubaghs, 1945b, p. 8, Pl. 1, figs. 3-4, 9-10. Webster, 1973, p. 173.  
*Melocrinites* sp. indet. Ubaghs, 1945a; Webster, 1973, p. 173.  
Devonian, Siegenian-Emsian transition. Belgium

*Ctenocrinus* sp. nov. Ubaghs, 1945a = *Ctenocrinus arduennensis*

*Ctenocrinus* spp.

Kayser, 1899, p. 67, Pl. 9, fig. 5.

Devonian, Hauptquarzit. Germany

Kegel, 1913, p. 140.

Devonian, Taunusquarzit. Germany

Ubaghs in Moore and Teichert, 1978, p. T189, Fig. 160, no. 7. Webster, 1986, p. 109.

Early Devonian. Belgium

Le Menn, 1985, p. 65, Fig. 82, no. C. Webster, 1988, p. 63.

Devonian. no locality data

Jell, 1999a, p. 49, Fig. 36.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Ctenocrinus* spp.

Dienst, 1913, p. 601.

Devonian, Emsian? (Coblentzian), Bichelbacher Schichten. Germany

Franke, C., 2012, p. 39, Pls. 17, figs. 4-9; 18.

Devonian, Emsian, Wiltz Beds, Mulden group. Germany, Rhenischen Schiefergebirge

**CULICOCRINUS** Müller, 1855. \**Platycrinus nodosus* Müller in Zeiler and Wirtgen, 1854.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

J. Müller in Zeiler and Wirtgen, 1855a, p. 23. Roemer in Bronn, 1852-1854, p. 213. Pictet, 1857, p. 332. Dujardin and Hupé, 1862, p. 155. Zittel, 1880, p. 344, 367. Wachsmuth and Springer, 1881, p. 61 (235). Wachsmuth and Springer, 1885, p. 114 (336). Jaekel, 1895a, p. 37. Zittel, 1895, p. 127. Springer in Zittel, 1913, p. 199. Schmidt, W. E., 1934, p. 46. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 382. Moore and Laudon, 1943b, p. 98. Moore and Laudon, 1944, p. 203.

Ubaghs, 1953, p. 743. Brower, 1973, p. 397. Webster, 1973, p. 90. Webster, 1977, p. 60. Moore and Strimple in Moore and Teichert, 1978, p. T512. Webster, 1986, p. 109. Franke, C., 2012, p.43.

**PROTOEURYALE** J. Müller in Zeiler and Wirtgen, 1855a, p. 24. \**P. confluentina* J. Müller in Zeiler and Wirtgen, 1854, p.24.. Zittel, 1880, p. 380. Bassler, 1938, p. 160. Bassler and Moodey, 1943, p. 382.

**CYLICOCRINUS** Bather, in Lankester, 1900, p. 156. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 382.

Named, currently recognized species based on cups or crowns: 8 species, 3 subspecies. 1 Ordovician, Hirnantian; 1 Silurian, Niagaran; 5 Devonian, Emsian (+3 subspecies); 1 Pennsylvanian, Bashkirian

Ordovician, Hirnantian; Silurian, Niagaran. United States

Devonian, Emsian. Germany

*Culicocrinus confluentinus* (Müller, 1855). Bassler and Moodey, 1943, p. 382.

*Protoeuryale confluentina* J. Müller in Zeiler and Wirtgen, 1855a, p. 24, Pl. 9, figs. 2-3. Bassler, 1938, p. 160. Bassler and Moodey, 1943, p. 382.

Devonian, Emsian (Coblentian). Germany

*Culicocrinus? girardeauensis* Brower, 1973, p. 398, Pl. 68, fig. 1; Fig. 27. Webster, 1977, p. 61.

Ordovician, Hirnantian, Girardeau Limestone. United States, Illinois

*Culicocrinus inermis* Jaekel, 1895a, p. 40. Bassler and Moodey, 1943, p. 382.

*Culicocrinus nodosus* var. *inermis* Jaekel, 1895, p. 41. Schmidt, W. E., 1942, p. 41, Pl. 7, fig. 3; Fig. 5, nos. B, D. Webster 1973, p. 90.

*Culicocrinus nodosus* var. *inermis/virgo* Schmidt, W. E., 1942, p. 42, Pl. 7, fig. 8; Fig. 5, no. H. Webster 1973, p. 90.

Devonian, Emsian. Germany

*Culicocrinus inventriosus* Schmidt, W. E., 1942, p. 43, Pl. 7, fig. 4. Webster, 1973, p. 90.

Devonian, Emsian. Germany

*Culicocrinus inventriosus intemperans* Schmidt, 1942. Dahmer, 1942, p. 271, Fig. 34.

*Culicocrinus inventriosus* var. *intemperans* Schmidt, W. E., 1942, p. 44, Fig. 6, nos. A-B. Webster, 1973, p. 90.

Devonian, Emsian. Germany

*Culicocrinus inventriosus* var. *intemperans* Schmidt, 1942 = *Culicocrinus inventriosus intemperans*

\**Culicocrinus nodosus* (Müller in Zeiler and Wirtgen, 1855). J. Müller in Zeiler and Wirtgen, 1855a, p. 23, Pls. 8, figs. 1-4; 9, figs. 2-3. Pictet, 1857, p. 332, Pl. 101, Fig. 16-16a. Dujardin and Hupé, 1862, p. 155. Jaekel, 1895, p. 39. Springer, 1926a, p. 51, Pl. 11, figs. 3-3a. Schmidt, W. E., 1942, p. 37, Pl. 7, figs. 1-2; Fig. 5, no. A. Bassler and Moodey, 1943, p. 382. Webster, 1973, p. 90. Ubaghs in Moore and Teichert, 1978, p. T512, Fig. 314, no. 2. Webster, 1986, p. 109.  
*Platycrinus nodosus* J. Müller in Zeiler and Wirtgen, 1855a, p. 15, Pl. 6, figs. 2-3. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 382.  
 Devonian, Emsian. Germany

*Culicocrinus nodosus confluentina* (Müller, 1855).

*Culicocrinus nodosus* var. *confluentina* (Müller, 1855). Schmidt, W. E., 1942, p. 42, Fig. 5, no. G. Webster 1973, p. 90.  
*Platycrinus nodosus* var. *confluentina* J. Müller in Zeiler and Wirtgen, 1855a, p. 24, Pl. 9, figs. 2-3.  
 Devonian, Emsian. Germany

*Culicocrinus nodosus* var. *confluentina* (Müller, 1854) = *Culicocrinus nodosus confluentina*

*Culicocrinus nodosus* var. *inermis* Jaekel; Schmidt, W. E., 1942 = *Culicocrinus inermis*

*Culicocrinus nodosus* var. *inermis/virgo* Schmidt, W. E., 1942 = *Culicocrinus inermis*

*Culicocrinus nodosus* var. *inermis/virgo* Schmidt, W. E., 1942 = *Culicocrinus nodosus inermis*

*Culicocrinus nodosus virgo* Schmidt, W. E., 1942

*Culicocrinus nodosus* var. *virgo* Schmidt, W. E., 1942, p. 41, Fig. 5, nos. C, E-F. Webster, 1973, p. 90. Franke, C., 2012, p.43; Pl. 19.  
 Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge

*Culicocrinus nodosus* var. *virgo* Schmidt, W. E., 1942 = *Culicocrinus nodosus virgo*

*Culicocrinus rhenanus* Follmann, 1891, p. 151. Schmidt, W. E., 1942, p. 220, *nomen nudum*. Webster 1973, p. 90.

*Culicocrinus rugosus* de Koninck in Zeiler and Wirtgen, 1855, p. 23. Schmidt, W. E., 1942, p. 220 (*nomen nudum*). Webster 1973, p. 90.

*Culicocrinus shotoriensis* Webster et al., 2011, p. 18, Fig. 4, nos. a-y.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Culicocrinus spinatus* Jaekel, 1895a, p. 39, Fig. 8. Schmidt, W. E., 1930, p. 47, Pl. 5, figs. 1a-1b. Bassler and Moodey, 1943, p. 382. Bartels and Brassel, 1990, p. 160, Fig. 145. Bartels, Briggs, and Brassel, 1998, p. 174, Fig. 149. Südkamp, 2007, p. 195, Fig. 12, no. C.

Devonian, early Emsian, Hunsrückschiefer. Germany, Taunus

*Culicocrinus spinosus* Springer, 1926a, p. 51, Pl. 11, figs. 4-4e. Bassler and Moodey, 1943, p. 383. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 20. Breimer, 1962a, p. 138, Fig. 32 (misabeled as *Pleurocrinus spinosus* in Fig. 32). Webster, 1973, p. 90.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

cf. *Culicocrinus* sp. Webster et al., 2001, p. 114, Pl. 2, figs. A-C.  
Pennsylvanian, Bashkirian, Sardar Formation. Eastern Iran

**CULMICRINUS** Jaekel, 1918. \**Poteriocrinus regularis* von Meyer, 1858.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Jaekel, 1918, p. 62. Wanner, 1924, p. 177. Springer, 1926b, p. 73. Schmidt, W. E., 1930, p. 39. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 383. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 159, Pl. 52, fig. 21. Cuénot, 1948, p. 62. Arendt and Hecker, 1964, p. 88. Strimple and Watkins, 1969, p. 202. Webster 1973, p. 90. Webster, 1977, p. 61. Moore and Strimple in Moore and Teichert, 1978, p. T648. Burdick and Strimple, 1983a, p. 138. Webster, 1986, p. 109. Ausich, 1988, p. 913, Fig. 2, no. 1. Chestnut and Etensohn, 1988, p. 42, Fig. 10. Webster, 1988, p. 63. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 475. Haude and Thomas, 1992, p. 328. Webster, 1993, p. 44. Ausich, 1997a, p. 292, Figs. 2, no. 1; 7.

Named, currently recognized species based on cups or crowns: 8 Mississippian species. 2 Tournaisian, 5 Visean, 1 Serpukhovian  
Mississippian, Tournaisian - Serpukhovian. United States

*Culmicrinus barnettensis* Strimple and Watkins, 1969, p. 202, Pls. 50, fig. 5; 52, fig. 12.  
Webster, 1977, p. 61.

Mississippian, Visean (Chesterian), Barnett Formation. United States, Texas

*Culmicrinus cylindratus* Webster et al., 2003, p. 27, Fig. 11.4.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*Culmicrinus elegans* Wachsmuth and Springer, 1897 = *Culmicrinus vagulus*

*Culmicrinus jeffersonensis* Laudon and Severson, 1953 = *Nudalocrinus jeffersonensis*

*Culmicrinus? mammaeformis* (Worthen, 1890). Kammer and Ausich, 1992, p. 475, Fig. 3.2.

*Poteriocrinus mammaeformis* Worthen in Miller, S. A., 1889, p. 274.

*Poteriocrinus mammaeformis* Worthen in Miller, S. A., 1890, p. 91. Weller, S., 1898c, p. 476. Bassler and Moodey, 1943, p. 642. Kammer and Ausich, 1992,



- p. 475.  
*Poteriocrinites mammaeformis* (Worthen, 1889). Bassler and Moodey, 1943, p. 642. Kammer and Ausich, 1992, p. 475.  
 Mississippian, Viséan (early Meramecian), upper part of Warsaw Formation. United States, Illinois
- Culmicrinus missouriensis* (Shumard, 1857). Springer, 1926b, p. 74, Pl. 18, fig. 3. Bassler and Moodey, 1943, p. 383. Moore and Laudon, 1944, p. 159, Pl. 59, fig. 6. Ubaghs, 1953, p. 692, Fig. 33, no. k. Webster 1973, p. 91. Stinchcomb, 2008, p. 128, Figs. 07-064-07-065.  
*Poteriocrinus missouriensis* Shumard, 1857, p. 80. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274, Fig. 405. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 383.  
*Scaphiocrinus missouriensis* (Shumard, 1857). Keyes, 1894a, p. 211, Pl. 26, fig. 2. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 383.  
*Poteriocrinus longidactylus* Shumard, 1855 (*non* Austin and Austin, 1847), p. 188, Pl. B, figs. 5a-5c. Austin and Austin, 1868, p. 391. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 383.  
 Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Illinois
- Culmicrinus* cf. *C. missouriensis* (Shumard, 1857). Burdick and Strimple, 1983a, p. 139, Pl. 4, fig. 6. Webster, 1988, p. 63.  
 Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- \**Culmicrinus regularis* (von Meyer, 1858). Jaekel, 1918, p. 62, Fig. 53. Schmidt, W. E., 1930, p. 40, Pls. 1, figs. 1-4; 3, figs. 2-8; Fig. 7. Bassler and Moodey, 1943, p. 383. Ubaghs *in* Moore and Teichert, 1978, p. T210, Fig. 177, nos. 6-7. Moore and Strimple *in* Moore and Teichert, 1978, p. T650, Fig. 424, no. 1c. Webster, 1986, p. 109. Haude and Thomas, 1992, p. 329, Pls. 4; 5, nos. A-E; 6, Figs. A-I: Figs. 2, no. A; 8-10. Thomas and Haude, 2006, p. 188, Fig. 6.  
*Poteriocrinus regularis* von Meyer, H., 1858, p. 60. Von Meyer, 1860, p. 119, Pl. 14, fig. 4. Weigelt, 1919, p. 196, Pl. 15. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 383.  
*Poteriocrinus (Culmicrinus) regularis* von Meyer, 1858. Schmidt, H., 1929, p. 84, Pl. 20, fig. 16.  
*Hallocrinus? inagilis* Schmidt, W. E., 1930, p. 28, Pl. 3, figs. 9-13b. Bassler and Moodey, 1943, p. 499. Haude and Thomas, 1992, p. 329.  
 Mississippian, Viséan, Cullia-b?. Germany
- Culmicrinus? singulocirrus* Schmidt, 1930 = ?*Quantoxoxocrinus singulocirrus*
- Culmicrinus tensus* (Whidborne); Schmidt, 1930 = *Aphelecrinus tensus*
- Culmicrinus thomasi* Laudon, 1933, p. 67, Pl. 6, figs. 5-6. Bassler and Moodey, 1943, p. 383. Jacobson, 1970, p. 232, Pl. 2, fig. top right. Webster, 1977, p. 61.  
 Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States,

## Iowa

*Culmicrinus vagulus* (Miller and Gurley, 1895). Chestnut and Etensohn, 1988, p. 42, Pl. 3, figs. 8-10. Webster, 1993, p. 44. Ausich and Kammer, 2010b, p. 119, Fig. 4, no. C.

*Poteriocrinus vagulus* Miller and Gurley, 1895a, p. 46, Pl. 4, figs. 10-11. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 645. Chestnut and Etensohn, 1988, p. 42. Webster, 1993, p. 44.

*Poteriocrinites vagulus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 645. Chestnut and Etensohn, 1988, p. 42. Webster, 1993, p. 44.

*Culmicrinus elegans* (Wachsmuth and Springer, 1897). Springer, 1926b, p. 74, Pl. 18, figs. 1-1a. Bassler and Moodey, 1943, p. 383. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 8. Moore and Laudon, 1944, p. 159, Pl. 59, fig. 9. Webster 1973,

p. 90. Moore and Strimple *in* Moore and Teichert, 1978, p. T650, Fig. 424, nos. 1a-1b. Webster, 1986, p. 109. Chestnut and Etensohn, 1988, p. 42.

*Scaphiocrinus elegans* Wachsmuth and Springer, 1897, Pl. 7, figs. 1a-1b. Bather, *in* Lankester, 1900, p. 120, Fig. 26, no. 4. Bassler and Moodey, 1943, p. 383. Chestnut and Etensohn, 1988, p. 42. Webster, 1993, p. 44.

Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone, Pennington Formation. United States, Kentucky

*Culmicrinus verus* (Miller and Gurley, 1890). Kammer and Ausich, 1992, p. 475, Fig. 3.3.

*Poteriocrinus verus* Miller and Gurley, 1890a, p. 24, Pl. 4, fig. 9. Miller and Gurley, 1890b, p. 24 (adv. pub.). Miller and Gurley, 1890c, p. 344, Pl. 4, fig. 9. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 645. Kammer and Ausich, 1992, p. 475.

*Poteriocrinites verus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 645. Van Sant *in* Van Sant and Lane, 1964, p. 90. Webster, 1973, p. 222. Kammer and Ausich, 1992, p. 475.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Culmicrinus* n. sp.

*Kulmicrinus* n. sp. Schmidt, W. E., 1934, p. 446, Fig. 11.

Mississippian, Serpukhovian. Germany

**CUNCTOCRINUS** Kesling and Sigler, 1969. \**C. fortunatus* Kesling and Sigler, 1969.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Kesling and Sigler, 1969, p. 340. Webster, 1977, p. 61. Moore and Lane *in* Moore and Teichert, 1978, p. T530. Webster, 1986, p. 109. Brower, 1990, p. 302, Fig. 4. Webster, 1993, p. 44. Harvey and Ausich, 1997, p. 304. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 2 Devonian, Givetian species

Devonian, Givetian. United States, Michigan, Ohio

*Cunctocrinus carinatus* (Springer, 1926). Brower, 1990, p. 301, Fig. 7, nos. 23-24.  
Webster, 1993, p. 45.

Devonian, Givetian, Four Mile Dam Formation, lower part of Dock Street Clay Member; Thunder Bay Formation. United States, Michigan

\**Cunctocrinus fortunatus* Kesling and Sigler, 1969, p. 340, Pl. 1, figs. 1-4; Figs. 1-3, 13.  
Kesling and Chilman, 1975, p. 162, Pl. 39, figs. 1-3; Unnum. Figs. p. 161-162.  
Webster, 1977, p. 61. Moore and Lane *in* Moore and Teichert, 1978, p. T530,  
Fig. 329, no. 1. Webster, 1986, p. 109.

Devonian, Givetian, Silica Shale. United States, Ohio

**CUPELLAECRINITES** Troost, 1850 = **MARSUPIOCRINUS**

*Cupellaecrinites buchii* Troost, 1850 = *Marsupiocrinus tennesseensis* = *M.*  
(*Amarsupiocrinus*) *tennesseensis*

*Cupellaecrinites corrugatus* Troost, 1850 = *Marsipocrinus corrugatus* = *Marsupiocrinus*  
*corrugatus*

*Cupellaecrinites inflatus* Troost, 1850 = *Marsipocrinus inflatus* = *Marsupiocrinus inflatus*  
= *M.* (*Amarsupiocrinus*) *inflatus*

*Cupellaecrinites laevis* Troost, 1850 = *Marsupiocrinus tennesseensis* = *M.*  
(*Amarsupiocrinus*) *tennesseensis*

*Cupellaecrinites magnificus* Troost, 1850 = *Marsipocrinus magnificus* = *Marsupiocrinus*  
*magnificus* = *M.* (*Amarsupiocrinus*) *magnificus*

*Cupellaecrinites pentagonalis* Troost, 1850 = *Marsipocrinus pentagonalis* =  
*Marsupiocrinus pentagonalis* = *M.* (*Amarsupiocrinus*) *pentagonalis*

*Cupellaecrinites rosaeformis* Troost, 1850 = *Marsipocrinus rosaeformis* =  
*Marsupiocrinus rosaeformis* = *M.* (*Amarsupiocrinus*) *rosaeformis*

*Cupellaecrinites stellatus* Troost, 1850 = *Marsipocrinus stellatus* = *Marsupiocrinus*  
*stellatus* = *M.* *stellatus stellatus* = *M.* (*Amarsupiocrinus*) *stellatus stellatus*

*Cupellaecrinites striatus* Troost, 1850 (part) = *Marsupiocrinus inflatus* = *M.*  
(*Amarsupiocrinus*) *inflatus*

*Cupellaecrinites striatus* Troost, 1850 (part) = *Marsupiocrinus* (*Amarsupiocrinus*)  
*striatus*

*Cupellaecrinites verneuili* Troost, 1850 = *Marsipocrinus verneuili* = *Marsupiocrinus*  
*verneuili* = *M.* (*Amarsupiocrinus*) *verneuili*

*Cupellaecrinites verneuili* Troost, 1850 = *Marsupiocrinus verneuili* = *Marsupiocrinus verneuili* = *M. (Amarsupiocrinus) verneuili*

**CUPELLAECRINUS** Shumard, 1868 = **MARSUPIOCRINUS**

*Cupellaecrinus inflatus* (Troost, 1850) = *Marsupiocrinus (Amarsupiocrinus) inflatus*

*Cupellaecrinus striatus* (Troost, 1850) = *Marsupiocrinus (Amarsupiocrinus) striatus*

*Cupellaecrinus tennesseensis* (Roemer, 1860) = *Marsupiocrinus (Amarsupiocrinus) tennesseensis*

**CUPELLAEOCRINUS** Meek and Worthen, 1866 = **MARSUPIOCRINUS**

*Cupellaeocrinus corrugatus* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) corrugatus*

*Cupellaeocrinus laevis* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) tennesseensis*

*Cupellaeocrinus magnificus* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) magnificus*

*Cupellaeocrinus pentagonalis* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) pentagonalis*

*Cupellaeocrinus rosaeformis* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) rosaeformis*

*Cupellaeocrinus stellatus* (Troost, 1849) = *Marsupiocrinus (Amarsupiocrinus) stellatus*

**CUPRESSOCRINITES** Goldfuss, 1831. \**C. crassus* Goldfuss, 1831.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.

Gasterocomoidea, F. Cupressocrinitidae

Goldfuss, 1831, p. 212. Fischer de Waldheim, 1834, p. 322. Bronn, 1837, p. 65.

Bronn, 1848, p. 362. Goldfuss, 1862, p. 197. Steininger, 1848, p. 20. Quenstedt,

1885, p. 962. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 384. Moore

and Laudon, 1943b, p. 64, Fig. 8. Ubaghs, 1953, p. 751. Tien and Mu, 1955, p.

91, Fig. 33. Sun, 1955, p. 92, Fig. 33. Webster 1973, p. 91. Webster, 1977, p.

61.

Moore and Lane *in* Moore and Teichert, 1978, p. T657, Fig. 430, no. 2h. Haude,

1981, p. 193, Fig. 7, no. a. Smith, A. B., 1985, p. 172. Webster, 1986, p. 110.

Jell

*et al.*, 1988, p. 393. Webster, 1988, p. 63. Webster, 1993, p. 45. Chen and Yao,

1993, p. 65, Fig. 41. Ebert, 1994, p. 16, Fig. 11. Hauser, 1997, p. 62, Fig. 20.

Hauser, 1999, p. 106, Fig. 36. Hauser, 2001, p. 107, Fig. 90. Bohatý, 2006c, p.

156. Hauser, 2007, p. 60, unnumbered fig. Bohatý, 2009a, p. 50. Hauser, 2008,

- p. 19, Fig. 28.
- CUPRESSOCRINUS* Agassiz, 1836, p. 198. Agassiz, 1838, p. 448. Bronn, 1848, p. 362. d'Orbigny, 1849-51, p. 140. d'Orbigny, 1850, p. 102. Roemer, C. F., *in* Bronn and Roemer, 1851, p. 230. M'Coy, 1854, p. 105. Sandberger and Sandberger, 1850-1856, p. 401. Burmeister, 1856, p. 244. Müller, J., 1857, p. 258. Pictet, 1857, p. 306. Müller, J., 1857, p. 258. Eichwald, 1860, p. 600. Dujardin and Hupé, 1862, p. 111. Bigsby, 1868, p. 19. Zittel, 1880, p. 331, 343, 348. Wachsmuth and Springer, 1886, p. 176 (100). Steinmann and Döderlein, 1890, p. 155, 162. Whidborne, 1895, p. 207. Lahusen, 1895, p. 145. Zittel, 1895, p. 126. Koken, 1896, p. 279. Steinmann, 1903, p. 181. Steinmann, 1907, p. 202. Reed, 1908, p. 38. Springer *in* Zittel, 1913, p. 210. Jaekel, 1918, p. 82. Abel, 1924, p. 280. Bather, 1926, p. 39. Sieverts, 1934, p. 89. Bassler, 1938, p. 79. Maillieux, 1940, p. 22. Bassler and Moodey, 1943, p. 384. Cuénot, 1948, p. 60. Sieverts-Doreck, 1953, p. 82, Fig. 2. Moore and Jeffords, 1968, p. 13, Fig. 4, no. 3. Webster 1973, p. 91. Moore and Lane *in* Moore and Teichert, 1978, p. T657.
- CYPELLOCRINITES* Steininger, 1849, p. 22. \**C. elegans* Steininger, 1849. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 384. Moore and Lane *in* Moore and Teichert, 1978, p. T658.
- CYPELLOCRINUS* Bather *in* Lankester, 1900, p. 177. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 384. Moore and Lane *in* Moore and Teichert, 1978, p. T658.
- CYPRESSOCRINITES* Steininger, 1849, p. 20. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 402. Moore and Lane *in* Moore and Teichert, 1978, p. T658.
- CYPRESSOCRINUS* Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 402.
- Named, currently recognized species based on cups or crowns: 12 species, 3 subspecies. 1 Silurian, series not given; 11 Devonian, 1 Emsian. 5 Eifelian (+2 subspecies), 3 Givetian (+1 subspecies), 1 Frasnian, 1 Middle Devonian series undesignated
- Silurian. Estonia  
 Devonian, Pragian. Australia  
 Early - Middle Devonian. Europe, Russia  
 Devonian, Frasnian. Belgium  
 Devonian undesignated. India

*CUPRESSOCRINITES* Goldfuss, 1839 (part) = **HALOCRINITES**

*Cupressocrinites abbreviatus* Goldfuss, 1839 = *Abbraviatocrinites abbreviatus* = *Halocrinites abbreviatus*

*Cupressocrinites abbreviatus* Schultze, 1866 = *Abbraviatocrinites altus* = *Halocrinites altus*

*Cupressocrinites cf. abbreviatus* Goldfuss, Gluchowski, 1993a = *Abbraviatocrinus altus* = *Halocrinites altus*

?*Cupressocrinites cf. abbreviatus* Schultze, 1866 = *Abbraviatocrinites altus* = *Halocrinites altus*

*Cupressocrinites* cf. *abbreviatus* Schultze, 1866, Gluchowski, 1993 =  
*Abbraviatocrinites altus*

*Cupressocrinites* aff. *Cupressocrinites abbreviatus* Goldfuss, 1939. Hauser, 1997, Pl. 10, fig. 3. (See *Stegocrinus*, GDW)  
*Stegocrinus dohmi* Sieverts-Doreck, 1962. Hauser, 1997, Pl. 10, fig. 3.  
Middle Devonian. Germany

*Cupressocrinites abbreviatus* var. *alta* (Schultze, 1866) (part) = *Abbraviatocrinites altus*  
= *Halocrinites altus*

*Cupressocrinites abbreviatus alta* (Schultze, 1866) (part) = *Abbraviatocrinites nodosus*  
=  
*Halocrinites nodosus*

*Cupressocrinites abbreviatus altaus* (Schultze); Hauser, 2001 = *Halocrinites nodosus*

*Cupressocrinites abbreviatus concentricus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 384.  
*Cupressocrinus abbreviatus* var. *concentricus* Quenstedt, 1876, p. 619, Pl. 111, fig. 64. Bassler and Moodey, 1943, p. 384.  
Devonian, Eifelian. Germany

*Cupressocrinites abbreviatus granulosis* (Schultze, 1866) = *Abbraviatocrinites abbreviatus* = *Halocrinites abbreviatus*

*Cupressocrinites abbreviatus* aff. *granulosa* (Schultze), Hauser, 1997 =  
*Abbraviatocrinus abbreviatus* = *Halocrinites abbreviatus*

*Cupressocrinites abbreviatus* var. *granulosa* Schultze, 1866 = *Cupressocrinites abbreviatus granulosis* = *Halocrinites schlotheimi granulosis*

*Cupressocrinites abbreviatus hybrida* (Schultze, 1866) = *Cupressocrinites hybridus*

*Cupressocrinites abbreviatus minor* (Schultze, 1866) = *Cupressocrinites schlotheimi minor*

*Cupressocrinites abbreviatus* var. *spinosa* Sieverts-Doreck, 1934 = *Cupressocrinites spinosus*

*Cupressocrinites abbreviatus* var. *spinosis* (Sieverts, 1934) = *Cupressocrinites abbreviatus spinosus* = *Cupressocrinites spinosus*

*Cupressocrinites assimilis* Dubatolova, 1964 = *Abbraviatocrinites assimilis* =  
*Halocrinites assimilis*

- \**Cupressocrinites crassus* Goldfuss, 1831, p. 212, Pl. 64, fig. 4. Bronn, 1837, p. 65, Pl. 4, figs. 9a-9c. Goldfuss, 1838, p. 331, Pl. 30, fig. 1. Steininger, 1853, p. 36. Quenstedt, 1885, p. 963, Pl. 78, fig. 13. Bassler and Moodey, 1943, p. 385. Webster, 1973, p. 91. Milicina, 1977b, p. 124, Pl. 1, figs. 4-8, 10; Fig. 1. Moore and Lane *in* Moore and Teichert, 1978, p. T657, Fig. 430, nos. 2a-2d. Donovan, 1986c, p. 422, Fig. 1, no. K. Webster, 1986, p. 110. Turek, 1988, p. 374, Fig. 3. Webster, 1993, p. 45. Hauser, 1997, p. 66, Pls. 11, figs. 2-6; 12, figs. 1-5; figs. 13, 1-6.
- Cupressocrinus crassus* (Goldfuss, 1831). Bronn, 1848, p. 362. d'Orbigny, 1849-51, p. 140, Figs. 289 (typographical error as *Cupressocrincus crassus*), 368. d'Orbigny, 1850, p. 102. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 232, Pl. 4, figs. 9a-9c. Quenstedt, 1852, p. 624, Pl. 55, fig. 13. Pictet, 1857, p. 307, Pl. 99, figs. 26-26a. Bronn, 1860, Pl. 28, figs. 1A-1H. Dujardin and Hupé, 1862, p. 112, Pl. 5, fig. 12. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 134, Pl. 1, fig. 1. Zittel, 1880, p. 349, Fig. 224; 236, nos. a-g. Neumayr, 1889, p. 470, Fig. 140, no. b. Whidborne, 1895, p. 207, Pl. 24, figs. 4-4a. Lahusen, 1895, p. 146, Fig. 195, nos. a-f. Holzapfel, 1895, p. 299. Zittel, 1895, p. 126, Fig. 239, nos. a-g. Wachsmuth *in* Zittel, 1900, p. 137, Fig. 238, nos. a-g. Frech, 1902, Pl. 27, fig. 9. Gürich, 1909, p. 108, Pl. 33, figs. 3a-3b. Springer *in* Zittel, 1913, p. 210, Fig. 311. Bassler, 1938, p. 79. Remes, 1939, p. 157, Unnum. Fig. Bassler and Moodey, 1943, p. 385. Melendez, 1947, p. 22, Fig. IV. Sieverts-Doreck, 1952, p. 424, Fig. 6. Sieverts-Doreck, 1953, p. 82, Pl. 4, figs. 8-9; Figs. 1, 3-4. Webster, 1973, p. 91.
- Cupressocrinites tetragonus* Goldfuss, 1839, p. 332, Pl. 30, figs. 3a-3b. Bassler and Moodey, 1943, p. 385.
- Cupressocrinus tetragonus* (Goldfuss, 1839). Bronn, 1848, p. 363. d'Orbigny, 1850, p. 102.
- ?*Halocrinites pyramidalis* Steininger, 1838. Bronn, 1848, p. 362. Devonian, Givetian, Lough Formation. Germany; Russia, eastern slope Ural Mountains; United Kingdom; Spain
- Cupressocrinites* aff. *crassus* (Goldfuss, 1831). Hauser, 1997, p. 66, Pl. 11, fig. 3. Devonian, Givetian, Lough Formation. Germany
- Cupressocrinites* cf. *crassus* Goldfuss, 1831.  
*Cupressocrinus* cf. *crassus* (Goldfuss, 1831). Reed, 1908, p. 38, Pl. 5, figs. 11-11a. Devonian. India, Northern Shan States
- Cupressocrinites crassus celechovicensis* Boucek, 1931. *Nomen correctum*  
*Cupressocrinus crassus* Goldf. var. *Celechovice* Boucek, 1931, p. 262, Fig. 1.  
*Cupressocrinus crassus* Goldfuss var. *celechovicensis* Boucek, 1931. Remes, 1939, p. 157, Fig. 1.  
Devonian series not given. Czech Republic, Bohemia
- Cupressocrinites deltoides* Chen and Yao, 1993 = ?*Halocrinites inflatus*
- Cupressocrinites dohmi* Hauser, 1997, p. 68, Pl. 14, figs. 1-7; Fig. 21.

Devonian, Givetian, boundary beds of Ahbach-Loogh Formation. Germany

*Cupressocrinites dubius* Roemer, F. A., 1843, p. 8, Pl. 12, fig. 10. Roemer, F. A., 1866b,

p. 220. Bassler and Moodey, 1943, p. 385.

*Cupressocrinus dubius* (Roemer, 1843). Bronn, 1848, p. 362.

Devonian, Emsian? (Coblentzian), *Spirifer* Sandstone. Germany

*Cupressocrinites elegans* (Schnur in Steininger, 1849). Bassler and Moodey, 1943, p. 385.

*Cypellocrinites elegans* Schnur in Steininger, 1849, p. 22. Bassler, 1938, p. 81.

Bassler and Moodey, 1943, p. 385.

Devonian, Eifelian. Germany

*Cupressocrinites elongatus* Goldfuss, 1839, p. 331, Pl. 30, fig. 2. Münster, 1839, Fig. 1, nos. a-b. Steininger, 1853, p. 36. Bassler and Moodey, 1943, p. 385.

Webster, 1973, p. 91. Smith, A. B., 1985, p. 172, Pl. 7.4.32. Webster, 1988, p.

63. Polyarnaya, 1992, p. 117, Pl. 1, figs. 1-4; Fig. 2. Hauser, 1997, p. 69, Pl. 17, fig. 2.

*Cupressocrinus elongatus* (Goldfuss, 1839). Roemer, F. A., 1843, p. 8, Pl. 12, fig. 12 (tegmen plates?). Bronn, 1848, p. 362. d'Orbigny, 1850, p. 102. Roemer, C. F. in Bronn and Roemer, 1851, p. 232. Dujardin and Hupé, 1862, p. 112.

Schultze, 1866 (adv. pub.). Schultze, 1867, p. 135, Pl. 5, fig. 1. Neumayr, 1889, p. 470, Fig. 140, no. a. Holzappel, 1895, p. 300. Frech, 1902, Pl. 27, fig. 10.

Sieverts, 1934, p. 96, Figs. 2-3. Bergougnieux, 1938a, p. 63, Unnum. Fig.

Bassler and Moodey, 1943, p. 385. Sieverts-Doreck, 1963, p. 239, Pl. 1.

Webster, 1973, p. 91.

*Cupressocrinites gerolsteinensis* Steininger, 1849, p. 20. Bassler and Moodey, 1943, p. 385.

*Cypressocrinites prismaticus* Steininger, 1849, p. 20. Bassler and Moodey, 1943, p. 385.

*Halocrinites elongatus* (Goldfuss, 1839). Steininger, 1835, p. 169, Pl. 1, figs. 11-12.

Devonian, Eifelian - Givetian, Schalke Limestone, Loogh Formation. Germany; France

Devonian, Eifelian - Givetian, lower part of *Stringocephalus* Biozone. Russia, east slope southern Urals

*Cupressocrinites* cf. *elongatus* (Goldfuss, 1838). Hauser, 1997, p. 69, Pl. 17, fig. 2.

Devonian, Givetian, Loogh Formation. Germany

*Cupressocrinites gerolsteinensis* Steininger, 1849 = *C. elongatus*

*Cupressocrinites gibber* (Bather, 1919) = *Abbraviatocrinites gibber* = *Halocrinites gibber*

*Cupressocrinites* aff. *gibber* Bather, 1919. *Nomen correctum*

*Cupressocrinus* aff. *gibber* Bather, 1919. Maillieux, 1940, p. 23.

Devonian, Frasnian, Sainte-Anne Marble. Belgium



- Cupressocrinites gracilis* Goldfuss, 1831 = *Halocrinites inflatus*
- Cupressocrinites* sp. cf. *C. gracilis* Goldfuss, 1831. Jell *et al.*, 1988, p. 395, Fig. 27, nos. I-J. Webster, 1993, p. 45.  
Devonian, Pragian (*sulcatus* Biozone), Shield Creek Formation, Martins Well Limestone Member. Australia, Queensland
- Cupressocrinites hieroglyphicus* (Schultze, 1866). Bassler and Moodey, 1943, p. 385. Hauser, 1997, p. 72, Pls. 22, figs. 2-8; 23, figs. 1-4. (not Pl. 22, fig. 1 as given p. 72).  
*Cupressocrinus hieroglyphicus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 137, Pl. 1, fig. 3. Bassler and Moodey, 1943, p. 385.  
Devonian, Eifelian - Givetian, ?Ahbach Formation; boundary beds of Ahbach-Loogh Formation; Lough Formation, Hustley Member. Germany
- Cupressocrinites hybridus* (Schultze, 1866). Bassler and Moodey, 1943, p. 384.  
*Cupressocrinus abbreviatus* var. *hybridus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 133, Pl. 3, fig. 3. Bassler and Moodey, 1943, p. 384.  
*Cupressocrinites abbreviatus hybrida* (Schultze, 1866). Hauser, 1997, p. 64.  
Devonian, probably Eifelian. Germany (horizon and locality unknown)
- Cupressocrinites inflatus* (Schultze, 1866) = *Abbraviatocrinus inflatus* = *Halocrinites inflatus*
- Cupressocrinites inflatus* (Schultze); Hauser, 1997 = *Abbraviatocrinites inflatus cuneatus* = *Halocrinites inflatus cuneatus*
- Cupressocrinites* aff. *inflatus* (Schultze, 1866). Hauser, 1997, Pl. 25, fig. 3.  
Devonian, Eifelian - Givetian, Freilingen Formation, Nollenbach Member. Germany
- Cupressocrinites inflatus convexus* Hauser, 2001 = *Abbraviatocrinites inflatus convexus* = *Halocrinites inflatus convexus*
- Cupressocrinites inflatus depressus* Hauser, 2001 = *Abbraviatocrinites inflatus depressus* = *Halocrinites inflatus depressus*
- Cupressocrinites longibrachialis* Polyarnaya, 1973, p. 132, Figs. 1a-e. Polyarnaya, 1974, p. 562, Fig. 1. Webster, 1977, p. 61. Webster, 1986, p. 110.  
Devonian, Givetian. Russia, Southern Urals
- Cupressocrinites magnus* Milicina, 1977 = *Procupressocrinus?* *magnus*
- Cupressicrinites nodosus* (Sandberger and Sandbergerr, 1856) = *Halocrinites nodosus*
- Cupressocrinites nuciformis* Fischer de Waldheim, 1837 = *Poteriocrinites nuciformis*

- Cupressocrinites pentamerus* (Quenstedt, 1866). Bassler and Moodey, 1943, p. 385.  
*Cupressocrinus pentamerus* Quenstedt, 1866, Pl. 71, fig. 15. Quenstedt, 1876, p. 623, Pl. 111, fig. 71. Quenstedt, 1885, p. 963, Pl. 78, fig. 16. Bassler and Moodey, 1943, p. 385.  
 Devonian, Eifelian. Germany
- Cupressocrinites pentaporus* Eichwald, 1840b, p. 171, unfig.  
*Cupressocrinus pentaporus* Eichwald, 1840. Bronn, 1848, p. 363. Bigsby, 1868, p. 19.  
 Silurian. Estonia
- Cupressocrinites pyramidalis* (Steininger, 1838). Bassler and Moodey, 1943, p. 386.  
*Halocrinites pyramidalis* Steininger, 1838, p. 295, Pl. 6. Bassler and Moodey, 1943, p. 386.  
 Devonian, Eifelian. Germany
- Cupressocrinites sampelayoi* (Almela and Revilla, 1950) = *Abbraviatocrinites sampelayoi* = *Halocrinites sampelayoi*
- Cupressocrinites scaber* (Schultze, 1866) = *Robustocrinites scaber*
- Cupressocrinites* cf. *scaber* (Schultze, 1866). Hauser, 1997, Pl. 26, fig. 6.  
 Devonian, Eifelian. Germany
- Cupressocrinites schlotheimi* (Steininger, 1831) = *Cupressocrinites schlotheimi schlotheimi* = *Abbraviatocrinites altus* = *Halocrinites altus*
- Cupressocrinites schlotheimi alta* (Schultze, 1866) = *Cupressocrinites abbreviatus altus* = *Halocrinites altus*
- Cupressocrinites schlotheimi* var. *alta* (Schultze, 1866) = *Abbraviatocrinites altus* = *Halocrinites altus*
- Cupressocrinites schlotheimi granulosa* (Schultze, 1866) = *Cupressocrinites abbreviatus granulatus* = *Abbraviatocrinus abbreviatus* = *Halocrinites schlotheimi granulatus*
- Cupressocrinites schlotheimi* var. *rectangularis* Schmidt, 1941 = *Abbraviatocrinites rectangularis* = *Halocrinites rectangularis*
- Cupressocrinites schlotheimi schlotheimi* (Steininger, 1831) = *Halocrinites altus*
- Cupressocrinites schlotheimi minor* (Schultze, 1866).  
*Cupressocrinites schlotheimi* var. *minor* (Schultze, 1866). Schmidt, W. E., 1942, p. 104. Webster, 1973, p. 91.  
*Cupressocrinus abbreviatus* var. *minor* Schultze, 1866 (adv. pub.). Schultze, 1867,

- p. 133, Pl. 2, fig. 12. Schmidt, W. E., 1942, p. 104. Bassler and Moodey, 1943, p. 384. Webster, 1973, p. 91.  
*Cupressocrinites abbreviatus minor* (Schultze, 1866). Bassler and Moodey, 1943, p. 384.  
 Devonian, Eifelian. Germany
- Cupressocrinites schlotheimi* var. *minor* (Schultze, 1866) = *Cupressocrinites schlotheimi minor*
- Cupressocrinites schlotheimi rectangularis* Schmidt, W. E., 1942, p. 103, Fig. 27. Webster, 1973, p. 91.  
 Devonian, early Eifelian. Germany
- Cupressocrinites schlotheimi spinosa* (Sieverts, 1934) = *Cupressocrinites abbreviatus spinosus* = *Cupressocrinites spinosus*
- Cupressocrinites schlotheimi* var. *spinosa* (Sieverts, 1934) = *Cupressocrinites abbreviatus spinosus*
- Cupressocrinites schlotheimi urogali* (Roemer, 1850) = *Cupressocrinites urogali* = *Abbraviatocrinites urogali* = *Halocrinites urogali*
- Cupressocrinites schlotheimi urogalli* (Roemer, 1850) = *Cupressocrinites urogali* = *Abbraviatocrinites urogali* = *Halocrinites urogali*
- Cupressocrinites* sp. cf. *C. schlotheimi* (Steininger, 1831). Breimer, 1962a, p. 166, Pl. 16, figs. 2-3. Webster, 1973, p. 91.  
 Middle Devonian, series not given. Spain
- Cupressocrinites spinosus* (Sieverts, 1934). Bassler and Moodey, 1943, p. 384.  
*Cupressocrinites abbreviatus* var. *spinosa* Sieverts, 1934, p. 100, Fig. 4. Bassler and Moodey, 1943, p. 384.  
*Cupressocrinites schlotheimi spinosa* (Sieverts, 1934). Webster, 1973, p. 92.  
*Cupressocrinites abbreviatus spinosa* Sieverts, 1934. Webster, 1973, p. 92.  
*Cupressocrinites abbreviatus* var. *spinosa* Sieverts-Doreck, 1934. Hauser, 1997, Pl. 10, figs. 1-2.  
 Devonian, Eifelian. Germany
- Cupressocrinites tesserula* Hauser, 1997 = *Abbraviatocrinites tesserulus* = *Halocrinites tesserulus*
- Cupressocrinites tesserulus* Goldfuss, 1831 = *Abbraviatocrinites tesserulus* = *Halocrinites tesserulus*
- Cupressocrinites tetragonus* Goldfuss, 1839 = *Cupressocrinites crassus*
- Cupressocrinites townsendi* (Koenig, 1825) = *Abbraviatocrinites townsendi* =

*Halocrinites townsendi*

*Cupressocrinites* sp. aff. *C. townsendi* (Koenig, 1825). Breimer, 1962a, p. 164, Pl. 16, figs. 6-7. Webster, 1973, p. 91.

Devonian, Givetian or unidentified strata, Portilla Limestone, Caldas Limestone. Spain

*Cupressocrinites trimerus* (Quenstedt, 1866). Bassler and Moodey, 1943, p. 386.

*Cupressocrinus trimerus* Quenstedt, 1866, Pl. 71, fig. 12. Quenstedt, 1876, p. 623, Pl. 111, figs. 69-70. Quenstedt, 1885, p. 963, Pl. 78, fig. 15. Bassler and Moodey, 1943, p. 386.

Devonian, Eifelian. Germany

*Cupressocrinites urogali* (Roemer, 1850) = *Abbraviatocrinites urogali* = *Halocrinites urogali*

*Cupressocrinites urogalli* (Roemer, 1850) = *Cupressocrinites urogali* = *Abbraviatocrinites urogali* = *Halocrinites urogali*

*Cupressocrinites? wanneri* Hauser, 1999, p. 108, Pl. 28, fig. 8.

Devonian, Frasnian (F2i), Neuville Formation. Belgium, Ardenne

*Cupressocrinites? n. sp. 2* Bohatý, 2006c = *Robustocrinites cataphractus*

*Cupressocrinites* sp. M Le Menn *in* Ures, Le Menn, and Hladil, 1999, p. 326, Pl. 1, figs. 18-25.

Devonian, Givetian, Celechovice Beds. Czech Republic, Moravia

*Cupressocrinites* spp.

Breimer, 1962a, p. 168. Webster, 1973, p. 91.

Devonian, Givetian, Portilla Limestone. Spain

Webster and Hafley *in* Webster *et al.*, 1999, p. 467, Fig. 3.4.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

*Cupressocrinus* spp.

Remes, 1939, p. 158, Unnum. Fig. (cup plates).

Devonian. Czech Republic

Firtion, 1957, p. 163, Pl. 10, figs. 19-20; Fig. 9. Webster, 1977, p. 61.

Devonian, ?Eifelian. France

Oehlert, 1902, p. 13, Figs. 4-8.

Devonian, Eifelian. Spain

*Cupressocrinitidae* indet. Bohatý and Herbig, 2010, p. 376, Figs. 11, nos. a-d, i-l; 12, nos. a-d.

Devonian, middle Givetian, upper part of Büchel Formation, shallow water reef flat. Germany, Rhenish Massif

*CUPRESSOCRINUS* Agassiz, 1836, and various authors = **CUPRESSOCRINITES**

*Cupressocrinus abbreviatus* Goldfuss, 1839 = *Cupressocrinites abbreviatus* =  
*Halocrinites abbreviatus abbreviatus*

*Cupressocrinus* cf. *abbreviatus* (Goldfuss, 1839) = *Cupressocrinites* cf. *abbreviatus* =  
*Halocrinites abbreviatus abbreviatus*

*Cupressocrinus abbreviatus* Schultze, 1866 (part) = *Abbraviatocrinites geminatus* =  
*Abbraviatocrinites altus* = *Halocrinites altus*

*Cupressocrinus abbreviatus* var. *alta* Schultze, 1866 (part) = *Cupressocrinites*  
*abbreviatus altus* = *Abbraviatocrinites altus* = *Halocrinites altus*

*Cupressocrinus abbreviatus* var. *granulosa* Schultze, 1866 = *Cupressocrinites*  
*abbreviatus granulatus*

*Cupressocrinus abbreviatus* var. *alta* Schultze, 1866 (part) = *Cupressocrinites*  
*abbreviatus altus* = *Abbraviatocrinites altus* = *Halocrinites nodosus*

*Cupressocrinus abbreviatus* var. *concentricus* Quenstedt, 1876 = *Cupressocrinites*  
*abbreviatus concentricus*

*Cupressocrinus abbreviatus* var. *granulosus* Schultze, 1866 = *Abbraviatocrinus*  
*abbreviatus granulose* = *Abbraviatocrinites abbreviatus* = *Halocrinites abbreviatus*

*Cupressocrinus abbreviatus* var. *hybridus* Schultze, 1866 = *Cupressocrinites*  
*abbreviatus hybridus*

*Cupressocrinus abbreviatus* var. *minor* Schultze, 1966 = *Cupressocrinites schlotheimi*  
var. *minor*

*Cupressocrinus abbreviatus spinosa* Sieverts, 1934 = *Cupressocrinites schlotheimi*  
*spinosa* = *Cupressocrinites spinosus*

*Cupressocrinus abbreviatus* var. *spinosa* Sieverts, 1934 = *Cupressocrinites schlotheimi*  
*spinosa* = *Cupressocrinites spinosus*

*Cupressocrinus bohemicus* (Waagen and Jahn), Barrande, 1899 = *Calpiocrinus*  
*bohemicus* = Polypeltidae gen. et sp. ind.

*Cupressocrinus calyx* M'Coy, 1849 = *Poteriocrinus calyx* = *Eupachyocrinus calyx* =  
*Phanocrinus calyx*

*Cupressocrinus crassus* (Goldfuss, 1831) = *Cupressocrinites crassus*

*Cupressocrinus* cf. *crassus* (Goldfuss, 1831) = *Cupressocrinites* cf. *crassus*

- Cupressocrinus crassus* var. *celechovice* Boucek, 1931, p. 262, Fig. 1. (set of arms)  
Devonian. Czech Republic
- Cupressocrinus crassus* var. *celechovice* Boucek; Remes, 1839 = *Cupressocrinites crassus celechovice*
- Cupressocrinus dubius* (Roemer, 1843) = *Cupressocrinites dubius*
- Cupressocrinus elongatus* (Goldfuss, 1839) = *Cupressocrinites elongatus*
- Cupressocrinus gibber* Bather, 1919 = *Cupressocrinites gibber* = *Halocrinites gibber*
- Cupressocrinus* aff. *gibber* Bather, 1919 = *C.* aff. *gibber*
- Cupressocrinus gracilis* (Goldfuss, 1831) = *Cupressocrinites gracilis* = *Halocrinites inflatus*
- Cupressocrinus hieroglyphicus* (Schultze, 1866) = *Cupressocrinites hieroglyphicus*
- Cupressocrinus impressus* M'Coy, 1849 = *Zeacrinites impressus* = *Parazeacrinites impressus*
- Cupressocrinus inflatus* Schultze, 1866 = *Cupressocrinites inflatus* = *Abbraviatocrinites inflatus* = *Halocrinites inflatus*
- Cupressocrinus?* *nuciformis* Fischer de Waldheim, 1837 = *Poteriocrinites nuciformis*
- Cupressocrinus nodosus* Sandberger and Sandberger, 1852-1856 = *Cupressocrinites nodosus* = *Abbraviatocrinites nodosus* = *Halocrinites nodosus*
- Cupressocrinus pentamerus* Quenstedt, 1866 = *Cupressocrinites pentamerus*
- Cupressocrinus pentaporus* Eichwald, 1840 = *Cupressocrinites pentaporus*
- Cupressocrinus scaber* Schultze, 1866 = *Cupressocrinus scaber*
- Cupressocrinus schlotheimi* Reed, 1908 = *Cupressocrinites schlotheimi*
- Cupressocrinus schlotheimi* Steiniger; Whidborne, 1895 = *Halocrinites altus*
- Cupressocrinus teres* Roemer, 1847 = *Cupressocrinites teres*
- Cupressocrinus tesseratus* Goldfuss, 1831 = *Cupressocrinites tesseratus*
- Cupressocrinus tetragonus* (Goldfuss, 1839) = \**Cupressocrinites crassus*

*Cupressocrinus townsendi* (Koenig, 1825) = *Abbraviatocrinites townsendi* = *Halocrinites townsendi*

*Cupressocrinus? townsendi* Koenig, 1825 = *Abbraviatocrinites townsendi* = *Halocrinites townsendi*

*Cupressocrinus trimerus* Quenstedt, 1866 = *Cupressocrinites trimerus*

*Cupressocrinus urogali* Roemer, F. A. = *Abbraviatocrinites urogali* = *Halocrinites urogali*

*Cupressocrinus urogalli* Roemer, F. A., 1850 = *Abbraviatocrinites urogali* = *Halocrinites urogali*

*Cupressocrinus* aff. *urogalli* Roemer, 1850. Sobolew, 1909, p. 512.  
Middle Devonian. Russia, Kielet-Sandomir Mountain

*Cupressocrinus* sp. Firtion, 1957 = *Cupressocrinites* sp.

*Cupressocrinus* sp. ind. Remes, 1907, p. 95.  
Devonian, Eifelian. Czech Republic

**CUPULOCRINUS** d'Orbigny, 1849. \**Scyphocrinus heterocostalis* Hall, 1847.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Dendrocrinoidea, F. Cupulocrinidae

d'Orbigny, 1849, p. 23. d'Orbigny, 1849-51, p. 144. d'Orbigny, 1850, p. 23, 46.

Emmons, 1855, p. 224. Zittel, 1880, p. 345, 375. Miller, S. A., 1889, p. 235.

Springer, 1911b, p. 28. Springer *in* Zittel, 1913, p. 215. Bassler, 1915, p. 314.

Bassler, 1938, p. 79. Bassler and Moodey, 1943, p. 386. Moore and Laudon,

1944b, p. 52, Fig. 5. Moore and Laudon, 1944, p. 155, Pl. 52, fig. 16. Moore,

1950, p. 34, Fig. 4, no. g. Ubaghs, 1953, p. 751. Ramsbottom, 1961, p. 12, Fig.

2. Moore, 1962b, p. 15, Fig. 9, no. 1. Yakovlev, 1964b, p. 65, Fig. 90, no. a.

Webster, 1973, p. 91. Kolata, 1975, p. 37. Kolata, 1976, p. 449. Webster, 1977,

p. 62. Frest and Strimple, 1978b, p. 170, Fig. 2, no. e. Moore and Lane *in* Moore

and Teichert, 1978, p. T627, Fig. 409, no. 2d. Lewis, R. D., 1981, p. 227. Smith,

A. B., 1985, p. 170. Webster, 1986, p. 110. Webster, 1988, p. 63. Brower,

1992a,

p. 100. Webster, 1993, p. 45. Ausich, 1998b, p. 34. Jell, 1999a, p. 72. Webster

and Maples, 2006, p. 191, Fig. 1, no. E.

**SCYPHOCRINUS** Hall (*non* Roemer, 1849), 1847, p. 85. Wachsmuth and

Springer, 1881, p. 221 (395). Bassler, 1915, p. 314. Bassler and Moodey, 1943,

p. 386. Moore and Lane *in* Moore and Teichert, 1978, p. T627.

Named, currently recognized species based on cups or crowns: 16 species, 14

Ordovician, 1 Darriwilian, Katian; 2 Sandbian, 3 Sandbian- Katian, 8 Katian; 1

Ordovician – Silurian, Katian - Llandoveryan; 1 Devonian, Lochkovian

Ordovician, Sandbian – Hirnantian (Caradocian – Ashgillian). United Kingdom

Ordovician, Sandbian (Champlainian); - Silurian, Albion. North America

Devonian, early Lochkovian. Australia, Victoria

- Cupulocrinus angustatus* (Meek and Worthen, 1870). Brower, 2002a, p. 109, Figs. 1-5. Sloan, 2005, p. 153, Fig. 4-61, no. 3.  
Ordovician, Katian (Richmondian), MaQuoketa Formation, Elgin, Clermont, Fort Atkinson, Brainard Members. United States, Minnesota, Iowa
- Cupulocrinus austrogracilis* Jell, 1999a, p. 72, Fig. 57, nos. A-D.  
Devonian, early Lochkovian, Humevale Formation. Australia, Victoria
- Cupulocrinus canaliculatus* Brower and Veinus, 1978, p. 441, Pls. 15, figs. 1-3, 5-6; 16, fig. 5. Webster, 1986, p. 110.  
Ordovician, Sandbian, Decorah Shale. United States, Minnesota
- Cupulocrinus conjugans* (Billings, 1859) = *\*Praecupulocrinus conjugans*
- Cupulocrinus* sp. aff. *C. conjugans* (Billings, 1857) = *Praecupulocrinus conjugans*
- Cupulocrinus crossmani* Brower, 1992a, p. 101, Figs. 1-5, 17.1-17.5. Brower, 2006, p. 431, Fig. 1, nos. 4-512-13. Brower, 2007, p. 1285, Fig. 2, nos. 1-3. Sloan, 2005, p. 153, Fig. 4-61, no. 6.  
Ordovician, Katian, Galena Group, Dunleith Formation, Rivoli Member, Sherwood Member. United States, Minnesota, Iowa
- Cupulocrinus cylindricus* (Billings, 1859) = *Praecupulocrinus conjugans*
- Cupulocrinus drummuckensis* Kolata, 1975 = *Praecupulocrinus? gracilis*
- Cupulocrinus gracilis* Ramsbottom, 1961 (*non* Hall) = *Praecupulocrinus? gracilis*
- Cupulocrinus* species cf. *C. gracilis* (Hall, 1847). Guensburg, 1984, p. 55, Pl. 11, figs. 6-7. Webster, 1988, p. 63.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Cupulocrinus heterobrachialis* Ramsbottom, 1961, p. 12, Pl. 5, figs. 1-5. White, E., 1964, p. 58, Pl. 3, fig. 5. Webster, 1973, p. 92. Webster, 1977, p. 62.  
Ordovician, Katian (Ashgillian), Ashgill Series. United Kingdom
- \*Cupulocrinus heterocostalis* (Hall, 1847). d'Orbigny, 1849, p. 23. d'Orbigny, 1850, p. 23. Emmons, 1855, p. 225. Miller, S. A., 1889, p. 235. Bassler, 1915, p. 314. Bassler and Moodey, 1943, p. 387. Moore and Laudon, 1944, p. 155, Pl. 53, fig. 9. Webster, 1973, p. 92. Donovan, Paul, and Lewis, 1996, p. 211.  
*Scyphocrinus heterocostalis* Hall, 1847b, p. 85, Pl. 28, figs. 3a-3f. Shumard, 1868, p. 396. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 281. Bassler, 1915, p. 314. Bassler, 1938, p. 79. Bassler and Moodey, 1943, p. 387.  
"*Scyphocrinus*" *heterocostalis* (Hall, 1847). Springer, 1911b, p. 30, Fig. 3. Bassler and Moodey, 1943, p. 387.  
Ordovician, Katian, Trenton, Hull Limestone; Trenton Limestone. Canada, Quebec, Ontario; United States, New York



Ordovician, Katian (Ashgillian). United Kingdom

- Cupulocrinus humilis* (Billings, 1857). Springer, 1911b, p. 28, Pl. 1, figs. 8-9: Fig. 2. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 8. Moore and Laudon, 1944, p. 155, Pl. 53, figs. 7, 25. Wilson, A. E., p. 36. Ubaghs, 1953, p. 751, Figs. 14, no. b; 148-149. Webster, 1973, p. 92. Kolata, 1975, p. 38, Pl. 6, fig. 7. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 94, no. 2. Lewis, R. D., 1981, p. 227. Webster, 1986, p. 111. Webster, 1988, p. 63. Sloan, 2005, p. 153, Fig. 4, no. 6.
- Dendrocrinus humilis* Billings, E., 1857a, p. 270. Billings, E., 1859, p. 39, Pl. 3, fig. 4. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.
- Ordovician, Katian, Hull Limestone; Curdsville Limestone; Snake Hill Formation; Dunleith Formation, St. James-Beecher Member; Decorah Shale, Buckhorn Member. Canada, Ontario. United States, Kentucky, New York, Minnesota
- Cupulocrinus jewetti* (Billings, 1859). Springer, 1911b, p. 28, Pls. 1, figs. 10-12; 3, figs. 5-7c. Bassler, 1915, p. 315. Springer, 1920a, p. 88, Pl. 75, figs. 2-4. Bassler and Moodey, 1943, p. 387. Moore and Laudon, 1944, p. 155, Pl. 53, fig. 12. Norford *et al.*, 1970, p. 606, Pl. 4, fig. 12. Bolton, T. E., 1970, p. 63, Pl. 13, fig. 12. Bolton and Copeland, 1972b, p. 54, Pl. A, fig. 22. Webster, 1973, p. 93. Kolata, 1975, p. 38, Pl. 7, fig. 4-5. Webster, 1977, p. 62. Frest and Strimple, 1978a, p. 688, Fig. 7, no. A. Brower and Veinus, 1978, p. 430, Pls. 14, figs. 1-4; 15, fig. 4; Fig. 7. Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 160, no. 8. Moore and Lane *in* Moore and Teichert, 1978, p. T627, Fig. 409, nos. 2a-2b. Lewis, R. D., 1981, p. 227. Kolata, 1986, p. 714, Fig. 2, no. 1. Webster, 1986, p. 111. Webster, 1988, p. 63. Webster, 1993, p. 45. Brett and Taylor *in* Hess *et al.*, 1999 p. 69, Figs. 80, no. e; Fig. 83.
- Dendrocrinus jewetti* Billings, E., 1859, p. 43, Fig. 13. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Billings, W. R., 1883, p. 51, Unnum. Pl., and figs. Miller, S.A., 1889, p. 238, Fig. 283. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.
- Ordovician, Sandbian – Katian (Champlainian), Hull Limestone; Curdsville Limestone; Verulam Formation; Guttenburg Formation, Glenhaven Member; Trenton Limestone; Dunleith Formation, Buckhorn Member; Decorah Shale; Platteville Limestone, Carimona Member. Canada, Ontario; United States, Kentucky, Wisconsin, Minnesota, Illinois
- Cupulocrinus jewetti kentuckiensis* Springer, 1911 = *Cupulocrinus kentuckiensis*
- Cupulocrinus jewetti* var. *kentuckiensis* Springer, 1911 = *Cupulocrinus kentuckiensis*
- Cupulocrinus kentuckiensis* Springer, 1911. Moore, 1962b, p. 24, Fig. 13, no. 2. Webster, 1973, p. 93. Moore and Lane *in* Moore and Teichert, 1978, p. T627, Fig. 409, no. 2c. Webster, 1986, p. 111.
- Cupulocrinus jewetti* var. *kentuckiensis* Springer, 1911b, p. 32, Pl. 3, figs. 8-9. Bassler and Moodey, 1943, p. 387.
- Cupulocrinus jewetti kentuckiensis* Springer, 1911. Bassler, 1915, p. 315.

Ordovician, Sandbian – Katian (Trentonian), Curdsville Limestone. United States, Kentucky

*Cupulocrinus latibrachiatus* (Billings, 1857). Grabau and Shimer, 1910, p. 505.

Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387. Ausich and Copper, 2010, p. 46, Pl. 9, figs. 5-10.

*Dendrocrinus latibrachiatus* Billings, E., 1857a, p. 270. Billings, E., 1859a, p. 39, Pl. 3, figs. 5a-5c. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.

*Cupulocrinus latibranchiatus* (Billings, 1857). Twenhofel, 1928, p. 137.

*Cupulocrinus* sp. Bolton, 1972, p. 22, Pl. 1, fig. 4. Webster, 1977, p. 62. Ausich and Copper, 2010, p. 47.

Ordovician, Darriwilian, Katian (Richmondian - Cincinnati) - Early Silurian, English

Head Formation; Vaureal Formation; Ellis Bay Formation. Canada

*Cupulocrinus latibranchiatus* (Billings, 1857) = *Cupulocrinus latibrachiatus*

*Cupulocrinus* sp. cf. *C. latibrachiatus* (Billings, 1857). Kolata, 1976, p. 450, Pl. 1, figs. 1-5. Webster, 1986, p. 111.

Ordovician, Katian (Maysvillian), Bighorn Formation, Hunt Mountain Beds. United States, Wyoming

*Cupulocrinus levorsoni* Kolata, 1986, p. 712, Figs. 2, nos. 2-6; 3, no. 7. Webster, 1993, p. 45. Brower and Kile, 1994, p. 25, Pls. 1-4; Figs. 1, 3.

Ordovician, Sandbian – Katian (Champlainian), Guttenburg Formation, Glenhaven Member. United States, Wisconsin

*Cupulocrinus minimus* Springer, 1911b, p. 35, Pl. 3, figs. 4a-4b. Springer, 1920a, p. 88, Pl. 75, figs. 6a-6b. Bassler and Moodey, 1943, p. 387.

Ordovician, Katian (Richmondian); Silurian, Llandoveryan, Waynesville Limestone. United States, Ohio

*Cupulocrinus molanderi* Kolata, 1975, p. 39, Pl. 8, fig. 6-7; Fig. 11. Webster, 1986, p. 111.

Ordovician, Katian (Champlainian), Dunleith Formation, Eagle Point Member. United States, Illinois

*Cupulocrinus plattevilensis* Kolata, 1975, p. 39, Pl. 7, figs. 1-3, 9. Webster, 1986, p. 111. Brower, 2007a, p. 106, Figs. 1, 2, 6, no. 3.

Ordovician, Sandbian (Champlainian), Grand Detour Formation, Stillman Member; unknown horizons in Platteville Group; Mifflin Formation. United States, Wisconsin, Illinois, Missouri, Iowa

*Cupulocrinus polydactylus* (Shumard, 1857). Springer, 1911b, p. 29. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387. Lewis, R. D., 1981, p. 227.

Schumacher, 1986, p. 6, Unnum. Fig. Webster, 1988, p. 63. Webster, 1993, p. 45. Ausich, 1996b, p. 244, Fig. 17-3, nos. 1-2. Ausich *in* Hess et al., 1999 p. 80,

- Fig. 93. Ausich, 2009a, p. 486, suppl. p. 13.
- Homocrinus polydactylus* Shumard, 1857, p. 78, Pl. 1, figs. 6a-6b. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.
- Poteriocrinites (Dendrocrinus) polydactylus* (Shumard, 1857). Lesley, 1889, p. 740, Fig. 9. Bassler, 1915, p. 315.
- Poteriocrinus (Dendrocrinus) polydactylus* (Shumard, 1857). Meek, 1873a, p. 22, Pl. 3, fig. 9. Bassler, 1915, p. 315.
- Poteriocrinus polydactylus* (Shumard, 1857). Bassler and Moodey, 1943, p. 387.
- Dendrocrinus polydactylus* (Shumard, 1857). Miller, S. A., 1889, p. 239. Cumings, 1908, p. 719, Pl. 3, fig. 4. Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.
- Cyathocrinus conglobatus* (Troost, 1850) *nomen nudum*. Miller, S. A., 1889, p. 235.
- Cyathocrinites conglobatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 315. Bassler and Moodey, 1943, p. 387.
- Cyathocrinites* Christy, 1848. Shumard, 1868, p. 378.  
Ordovician, Katian; - Silurian, Llandoveryan, Whitewater Formation; Limberty Limestone; Waynesville Limestone; Bull Fork Formation. United States, Ohio
- Cupulocrinus sepulchrum* Ramsbottom, 1961, p. 14, Pl. 4, figs. 8-9. Webster, 1973, p. 93. Donovan, 1986d, p. 39, Pl. 4, fig. 9. Webster, 1993, p. 45. Donovan, 1996a, p. 197, Fig. 2, no. d. Donovan, Paul, and Lewis, 1996, p. 211, Pl. 38, fig. 1.
- Heterocrinus?* Huxley and Etheridge, 1878, p. 34. Ramsbottom, 1961, p. 14. Webster, 1973, p. 92.  
Ordovician, Katian (Caradocian), Gaerfawr Group. United Kingdom
- Cupulocrinus tuberculatus* d'Orbigny, 1847. d'Orbigny, 1850, p. 46.
- Cupulocrinus* sp. A Lane, 1970 = *Archaetaxocrinus lanei*
- Cupulocrinus* sp. Bolton, 1972 = *Cupulocrinus latibrachiatus*
- Cupulocrinus* sp.  
Bolton, T. E., 1970, p. 63, Pl. 13, fig. 14. Webster, 1977, p. 62.  
Ordovician, Katian, Farr Formation. Canada, Ontario  
Parsley, 1981, p. 4, Pl. 1, figs. 4, 13. Webster, 1988, p. 64.  
Ordovician, Sandbian, Lexington Limestone, Curdsville Limestone Member. United States, Kentucky  
Hoskins, Inners, and Harper, 1983, p. 37, Fig. p. 36.  
Ordovician, no locality given  
Guensburg, 1984, p. 56, Pl. 11, figs. 8-9. Webster, 1988, p. 64.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- CUSACRINUS** Bowsher, 1955. \**Actinocrinus nodobrachiatus* Wachsmuth and Springer in Miller, 1889.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae  
 Bowsher, 1955b, p. 7. Brower, 1970, p. 495. Webster, 1973, p. 93. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 62. Bowsher *in* Moore and Teichert, 1978, p. T458. Webster, 1986, p. 112. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 45. Webster, 1997, p. 10.  
 Named, currently recognized species based on cups or crowns: 20 Mississippian species, 4 Tournaisian, 1 Tournaisian - Viséan, 15 Viséan  
 Mississippian, Tournaisian – Viséan (middle Kinderhookian - early Osagean). United States

*Cusacrinus arnoldi* (Wachsmuth and Springer *in* Miller, 1889) = *C. nodobrachiatus*

*Cusacrinus asperrimus* (Meek and Worthen, 1870). Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Strotocrinus? asperrimus* Meek and Worthen, 1870a, p. 160. Meek and Worthen, 1873, p. 349, Pl. 8, fig. 3. Bassler and Moodey, 1943, p. 267. Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Strotocrinus asperrimus* Meek and Worthen, 1870. Miller, S. A., 1889, p. 284.  
*Actinocrinus asperrimus* (Meek and Worthen, 1870. Wachsmuth and Springer, 1897, p. 575, Pl. 60, figs. 5-6. Bassler and Moodey, 1943, p. 267.  
*Actinocrinites asperrimus* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 267.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cusacrinus bischoffi* (Miller and Gurley, 1896). Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Actinocrinus bischoffi* Miller and Gurley, 1896c, p. 8, Pl. 3, figs. 1-2. Miller, S. A., 1897, p. 731, Fig. 1275. Weller, S., 1898c, p. 56. Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Actinocrinites bischoffi* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 267.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois, Iowa

*Cusacrinus chloris* (Hall, 1861). Bowsher, 1955b, p. 11, Pl. 3, fig. 1. Webster, 1973, p. 93.  
*Actinocrinus chloris* Hall, 1861a, p. 275. Hall, 1861b, p. 3. Hall, 1861c, p. 275. Weller, 1898c, p. 64. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 275. Kirk, 1943c, p. 346. Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Actinocrinus tenuisculptus* Wachsmuth and Springer, 1897, p. 571, Pl. 55, figs. 4a-4b.  
*Actinocrinites tenuisculptus* (Wachsmuth and Springer, 1897) (*non* McChesney, 1860). Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 11. Kirk, 1943c, p. 346. Moore and Laudon, 1944, p. 193, Pl. 77, Fig. 14. Webster, 1973, p. 93.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

- Cusacrinus coelatus* (Hall, 1858). Bowsher, 1955b, p. 11. Webster, 1973, p. 93.  
*Actinocrinus coelatus* Hall, 1858c, p. 585, Pl. 10, figs. 14a-14b. Hall, 1860, Pl. 2, fig. 1. Shumard, 1868, p. 343. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341. Bowsher, 1955b, p. 11. Webster, 1973, p. 93.
- Cactocrinus coelatus* (Hall, 1858). Wachsmuth and Springer, 1897, p. 618, Pl. 59, figs. 8-9. Weller, S., 1898c, p. 153. Grabau and Shimer, 1910, p. 527, Fig. 852.  
 Bassler and Moodey, 1943, p. 341. Laudon, 1948, pl. 3. Webster, 1973, p. 71.
- Actinocrinus caelatus* Hall, 1858. Miller, S. A., 1889, p. 217 (sic).  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Ohio
- Cusacrinus daphne* (Hall, 1863). Bowsher, 1955b, p. 12. Webster, 1973, p. 93.  
*Actinocrinus daphne* Hall, 1863b, p. 52. Hall, 1864a, p. 52. Shumard, 1868, p. 350. Hall and Whitfield, 1875c, p. 162, Pl. 11, fig. 11. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 731. Wachsmuth and Springer, 1897, p. 574, Pl. 56, fig. 1. Weller, S., 1898c, p. 57. Bassler and Moodey, 1943, p. 269. Bowsher, 1955b, p. 12. Webster, 1973, p. 93. Ausich and Roeser, 2012, p. 499, Figs. 2.4, 5.2-5.4, 9.2-9.3, 9.8-9.9.
- Actinocrinites daphne* (Hall, 1863). Bassler and Moodey, 1943, p. 269.  
 Mississippian, Tournaisian (Kinderhookian), Waverly Group, Cuyahoga Formation, Meadville Member. United States, Ohio
- Cusacrinus denticulatus* (Wachsmuth and Springer, 1897). Bowsher, 1955b, p. 12. Webster, 1973, p. 93.  
*Cactocrinus denticulatus* Wachsmuth and Springer, 1897, p. 606, Pl. 57, figs. 5a-5b. Miller, S. A., 1897, p. 740. Weller, S., 1898c, p. 153. Moore, 1939b, p. 243, Fig. 13, no. 5 (portion of arm). Bassler and Moodey, 1943, p. 341. Bowsher, 1955b, p. 12. Webster, 1973, p. 93.
- Actinocrinus denticulatus* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 731.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus ectypus* (Meek and Worthen, 1870). Bowsher, 1955b, p. 12. Webster, 1973, p. 93.  
*Strotocrinus ectypus* Meek and Worthen, 1870a, p. 159. Meek and Worthen, 1873, p. 353, Pl. 7, fig. 5. Miller, S. A., 1889, p. 284. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341. Bowsher, 1955b, p. 12. Webster, 1973, p. 93.
- Cactocrinus ectypus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1897, p. 611, Pl. 56, fig. 10. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus elephantinus* (Austin and Austin, 1842) = *Dialutocrinus elephantinus*

- Cusacrinus gracilis* (Wachsmuth and Springer, 1897). Bowsher, 1955b, p. 12. Webster, 1973, p. 93.  
*Actinocrinus gracilis* Wachsmuth and Springer, 1897, p. 572, Pl. 56, fig. 11. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 270. Bowsher, 1955b, p. 12. Webster, 1973, p. 93.  
*Actinocrinites gracilis* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 270.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus hurdianus* (McChesney, 1860). Bowsher, 1955b, p. 12. Webster, 1973, p. 94.  
*Actinocrinus hurdianus* McChesney, 1860, p. 24/ McChesney, 1865, Pls. 5, figs. 9a-9b; 11, fig. 1. McChesney, 1868, p. 17, Pl. 5, figs. 9a-9b; Unnum. Fig. p. 18. Shumard, 1868, p. 344. Weller, S., 1898c, p. 59. Bassler and Moodey, 1943, p. 342. Bowsher, 1955b, p. 12. Webster, 1973, p. 94.  
*Actinocrinus hurdanus* McChesney, 1860. Miller, S. A., 1889, p. 218 (sic).  
*Cactocrinus hurdianus* (McChesney, 1860). Wachsmuth and Springer, 1897, p. 601. Bassler and Moodey, 1943, p. 342.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus imperator* (Laudon, 1933). Bowsher, 1955b, p. 13. Webster, 1973, p. 94. Woodson, 1989, frontise. Webster, 1993, p. 45.  
*Cactocrinus imperator* Laudon, 1933, p. 51, Pls. 2, fig. 9; 3, fig. 1. Bassler and Moodey, 1943, p. 342. Moore and Laudon, 1944, p. 191, Pl. 76, fig. 8. Laudon, Parks, and Spreng, 1952, p. 571, Pl. 68, fig. 4. Bowsher, 1955b, p. 13. Rose, 1967, p. 140, Pl. 17, fig. 9. Jacobson, 1970, p. 232, Pl. 1, fig. 2. Priest, 1973, p. 74, Fig. 4. Webster, 1973, p. 94. Webster, 1977, p. 50. Wolf, 1983, p. 170, Pl. 23, fig. 7. Stinchcomb, 2008, p. 128, Fig. 07-063.  
 Mississippian, Tournaisian (Kinderhookian), Gilmore City Limestone; Banff Formation. United States, Iowa; Canada, Alberta
- Cusacrinus kuenzii* (Laudon, Parks, and Spreng, 1952). Webster, 1997, p. 11, Pl. 1, figs. 1-3, 9.  
*Cactocrinus kuenzii* Laudon, Parks, and Spreng, 1952, p. 572, Pls. 68, figs. 7-10; 69, fig. 22. Webster, 1973, p. 71.  
 Mississippian, Tournaisian (Kinderhookian), Banff Formation; Henderson Canyon Formation, Brush Canyon Member. Canada, Alberta; United States, Utah
- Cusacrinus limabrachiatus* (Hall, 1861). Bowsher, 1955b, p. 13, Pl. 4, figs. 2-4. Webster, 1973, p. 94.  
*Actinocrinus limabrachiatus* Hall, 1861a, p. 268. Hall, 1861b, p. 2. Hall, 1861c, p. 268. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Whitfield, 1893b, p. 5, Pl.

1, figs. 8-9. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 154. Bassler and Moodey, 1943, p. 342. Bowsher, 1955b, p. 13. Webster, 1973, p. 94.  
*Cactocrinus limabrachiatus* (Hall, 1861). Wachsmuth and Springer, 1897, p. 608, Pl. 58, figs. 9-10b. Weller, S., 1898c, p. 154. Grabau and Shimer, 1910, p. 526.  
 Bassler and Moodey, 1943, p. 342.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cusacrinus longus* (Meek and Worthen, 1870). Bowsher, 1955b, p. 14. Webster, 1973, p. 94.

*Actinocrinus longus* Meek and Worthen, 1870a, p. 156. Meek and Worthen, 1873, p.

345, Pl. 8, fig. 1. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 155. Bassler and

Moodey, 1943, p. 342. Bowsher, 1955b, p. 14. Webster, 1973, p. 94.

*Cactocrinus longus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1897, p. 609, Pl. 57, fig. 8. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342.

*Actinocrinites longus* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 271.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

\**Cusacrinus nodobrachiatus* (Wachsmuth and Springer, 1890). Bowsher, 1955b, p. 14, Pl. 2, figs. 1-2; Figs. 3, nos. A-C; 4. Webster, 1973, p. 94. Macurda, 1974, p. 828. Bowsher in Moore and Teichert, 1978, p. T459, Fig. 266, no. 2. Webster, 1986, p. 112.

*Actinocrinus nodobrachiatus* Wachsmuth and Springer, 1890a, p. 165, Pls. 15, fig. 5; 16, fig. 10. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 343. Bowsher, 1955b, p. 14. Webster, 1973, p. 94.

*Actinocrinus novobrachiatus* Wachsmuth and Springer in Miller, S. A., 1889, p. 219 (sic).

*Cactocrinus nodobrachiatus* (Wachsmuth and Springer in Miller, 1889).

Wachsmuth and Springer, 1897, p. 622, Pl. 57, figs. 1-2. Weller, S., 1898c, p. 155. Rowley, R. R., 1906b, p. 31, Pl. 6, fig. 14. Laudon and Beane, 1937, p. 247, Pl. 16, fig. 2. Bassler and Moodey, 1943, p. 343. Laudon and Severson, 1953, p. 530, Pl. 53, fig. 6. Boyt, 1962, Unnum. Fig. p. 11. Priest, 1971, p. 94, Unnum. Fig. Webster, 1973, p. 71. Webster, 1977, p. 50. Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1988, p. 46. Gahn and Baumiller, 2004, p. 19, Fig. 3, no.

B.

O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, no. 21.

*Actinocrinus arnoldi* Wachsmuth and Springer in Miller, S. A., 1889, p. 218, Fig. 232 (*nomen nudum*). Wachsmuth and Springer, 1890a, p. 168, Pl. 17, fig. 10. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 340. Bowsher, 1955b, p. 11. Webster, 1973, p. 93.

*Cactocrinus arnoldi* (Wachsmuth and Springer in Miller, 1889). Wachsmuth and Springer, 1897, p. 624, Pl. 57, figs. 4a-4b. Weller, S., 1898c, p. 153. Laudon

- and Beane, 1937, p. 16, Figs. 3-4. Bassler and Moodey, 1943, p. 340. Moore and Laudon, 1944, p. 191, Pl. 77, fig. 4. Laudon, 1948, Pl. 3. Laudon, Parks, and Spreng, 1952, p. 571, Pl. 68, fig. 5. Laudon and Severson, 1953, p. 530, Pl. 53, figs. 1-3. Webster, 1973, p. 71.
- Cusacrinus arnoldi* (Wachsmuth and Springer in Miller, 1889). Bowsher, 1955b, p. 11. Webster, 1973, p. 93. Macurda, 1974, p. 828. Webster, 1986, p. 112.
- Actinocrinus ornatissimus* Wachsmuth and Springer in Miller, S. A., 1889, p. 219, Fig. 233. Wachsmuth and Springer, 1890a, Pl. 16, fig. 5 only. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343. Bowsher, 1955b, p. 16. Webster, 1973, p. 94.
- Cactocrinus ornatissimus* (Wachsmuth and Springer in Miller, 1889). Wachsmuth and Springer, 1897, p. 621, Pl. 57, fig. 3. Weller, S., 1898c, p. 156. Laudon and Beane, 1937, p. 247, Pl. 16, fig. 5. Bassler and Moodey, 1943, p. 343. Laudon and Severson, 1953, p. 530, Pl. 53, fig. 4. Bowsher, 1955b, p. 16. Boyt, 1962, Unnum. Fig. p. 11. Priest, 1966, Unnum. Fig. p. 818. Priest, 1973, p. 74, Fig. 8. Webster, 1973, p. 72, 94. Macurda, 1974, p. 828. Webster, 1977, p. 50.
- Webster,  
1986, p. 112.
- Cusacrinus ornatissimus* (Wachsmuth and Springer in Miller, 1897). Bowsher, 1955, p. 16. Webster, 1973, p. 95.
- Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Le Grande Beds; Lodgepole Limestone; Banff Formation. United States, Iowa, Montana; Canada, Alberta
- Cusacrinus ornatissimus* (Wachsmuth and Springer, 1890) = *Cusacrinus nodobrachiatus*
- Cusacrinus penicillus* (Meek and Worthen, 1870). Bowsher, 1955b, p. 16. Webster, 1973, p. 94.
- Actinocrinites penicillus* Meek and Worthen, 1870a, p. 155. Meek and Worthen, 1873, p. 342, Pl. 8, fig. 2. Meek and Worthen, 1874, p. 193. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 61. Bassler and Moodey, 1943, p. 272. Bowsher, 1955b, p. 16. Webster, 1973, p. 94.
- Actinocrinus penicillus* (Meek and Worthen, 1870). Weller, S., 1898c, p. 61. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus spinotentaculus* (Hall, 1859). Bowsher, 1955b, p. 16. Webster, 1973, p. 94.
- Actinocrinus spino-tentaculus* Hall, 1859a, p. 86. Hall, 1872c, Pl. 3-A, figs. 13-17. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341. Bowsher, 1955b, p. 16. Webster, 1973, p. 94.
- Actinocrinus spinotentaculus* Hall, 1859. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, 1898c, p. 153. Bassler and Moodey, 1943, p. 341.
- Cactocrinus coelatus* var. *spinotentaculus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 619, Pl. 59, fig. 10. Weller, S., 1898c, p. 153. Bassler and Moodey, 1943, p. 341.



- Cactocrinus coelatus spinotentaculus* (Hall, 1859). Bassler and Moodey, 1943, p. 341.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cusacrinus tenuisculptus* (McChesney, 1860). Bowsher, 1955b, p. 16. Webster, 1973, p. 94.  
*Actinocrinus tenuisculptus* McChesney, 1860, p. 15. McChesney, 1868, p. 11, Pl. 5, figs. 1a-1b; Unnum. Fig. p. 12 (adv. pub. 1865). Miller, S. A., 1889, p. 220. Wachsmuth and Springer, 1897, p. 571, Pl. 55, figs. 4a-4b. Weller, S., 1898c, p. 64. Bassler and Moodey, 1943, p. 275. Bowsher, 1955b, p. 16. Webster, 1973, p. 94.  
*Actinocrinites tenuisculptus* (McChesney, 1860). Bassler and Moodey, 1943, p. 275. Laudon, 1973b, p. 29, Fig. 5. Webster, 1977, p. 29.  
*Cactocrinus tenuisculptus* (McChesney, 1860). Kirk, 1943c, p. 346. Webster, 1973, p. 94.  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone; Lake Valley Limestone. United States, Missouri, Iowa, New Mexico
- Cusacrinus thetis* (Hall, 1861). Bowsher, 1955b, p. 16, Pl. 3, figs. 2-3. Webster, 1973, p. 94.  
*Actinocrinus thetis* Hall, 1861b, p. 11. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Whitfield, 1893b, p. 6, Pl. 8, fig. 10. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344. Bowsher, 1955b, p. 16. Webster, 1973, p. 94.  
*Cactocrinus thetis* (Hall, 1861). Wachsmuth and Springer, 1897, p. 614, Pls. 5, fig. 11; 56, figs. 3-4. Weller, S., 1898c, p. 157. Bassler and Moodey, 1943, p. 344.  
*Actinocrinus securus* Hall, 1861b, p. 14. Shumard, 1868, p. 348. Meek and Worthen, 1869b, p. 440. Meek and Worthen, 1873, p. 328, Pl. 9, figs. 6a-6b. Miller, S. A., 1889, p. 219. Miller S. A., 1897, p. 731. Bassler and Moodey, 1943, p. 344.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri
- Cusacrinus tuberculatus* (Wachsmuth and Springer, 1897). Bowsher, 1955b, p. 17. Webster, 1973, p. 94.  
*Actinocrinus tuberculatus* Wachsmuth and Springer, 1897, p. 573, Pl. 52, figs. 8a-8c. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 65. Bassler and Moodey, 1943, p. 275. Bowsher, 1955b, p. 17. Webster, 1973, p. 94.  
*Actinocrinites tuberculatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 276.  
Mississippian, Viséan (Osagean) upper part of Burlington Limestone. United States, Iowa
- Cusacrinus viaticus* (White, 1874). Bowsher, 1955b, p. 17, Pl. 5, figs. 3-4. Webster, 1973, p. 94. Webster and Lane, 1987, p. 19. Webster, 1993, p. 45.

*Actinocrinus viaticus* White, C. A., 1874, p. 82, Pl. 5, fig. 1 (adv. pub.). White, C. A., 1875, p. 82, Pl. 5, fig. 1. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 65. Bassler and Moodey, 1943, p. 276. Bowsher, 1955b, p. 17. Webster, 1973, p. 94.

*Actinocrinites viaticus* (White, 1874). Bassler and Moodey, 1943, p. 276. Mississippian, Viséan (Osagean), Monte Cristo Group, Anchor Limestone. United States, Nevada

*Cusacrinus* sp. 1 Webster, 1997, p. 11, Pl. 1, fig. 1. Mississippian, Tournaisian, Lodgepole Limestone. United States, Wyoming

*Cusacrinus* sp. 2 Webster, 1997, p. 12, Pl. 4, fig. 2A. Mississippian, Middle Tournaisian, Chinese Wall Member, Henderson Canyon Formation. United States, Utah

*Cusacrinus* sp. 3 Webster, 1997, p. 12, Pl. 1, fig. 11. Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

Cyathocrinus inadunate sp. A Ausich and Lane, 1982b, p. 1358, Pl. 2, fig. 26. Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

?*Cyathocrini* sp. Agassiz, 1836 = *Cupressocrinites gracilis*

Cyathocrinida fam. gen. et sp. indet. Webster et al., 2009, p. 669, Fig. 8, nos. e-f. Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island

**CYATHOCRINITES** Miller, 1821. \**C. planus* Miller, 1821.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae

Miller, J. A., 1821, p. 85. Bronn, 1825, p. 8. Fleming, 1828, p. 495. Goldfuss, 1831, p. 189. Fischer de Waldheim, 1834, p. 321. de Blainville, 1834, p. 260, Pl. 29, fig. 2 (listed as Cyathocrinite plan on plate explanation). Bronn, 1837, p. 61. Bronn, 1848, p. 365. Meek and Worthen, 1868b, p. 336. Meek and Worthen, 1873, p. 400. Meek, 1874, p. 370. Bassler, 1915, p. 317. Bassler, 1938, p. 79. Bassler and Moodey, 1943, p. 388. Moore and Laudon, 1943b, p. 51, Figs. 1, 4. Moore and Laudon, 1944, p. 154, Pl. 52, fig. 12. Moore, 1950, Fig. 4, no. r. Ubaghs, 1953, p. 750. Moore, 1962b, p. 8, Fig. 1, no. 1. Yakovlev, 1964b, p. 56, Figs. 57; 59, no. a. Arendt and Hecker, 1964, p. 83. Lane, N. G., 1967a, p. 237. Webster, 1973, p. 94. Meyer and Lane, 1976, p. 478, Fig. 1. Frest, 1977, p. 120. Webster, 1977, p. 62. Ubaghs *in* Moore and Teichert, 1978, p. T61, Fig. 43, no. 1. Lane and Moore *in* Moore and Teichert, 1978, p. T579. Westhead, 1978, Fig. 5, no. b. Ausich, Kammer, and Lane, 1979, p. 1189, Fig. 6C, no. i. Kammer, Ausich, and Lane, 1983, p. 55, Fig. 14, no. C, item i. Lane, 1984, p. 454, Fig. 2, no. B. Smith, A. B., 1985, p. 172. Webster, 1986, p. 112. Webster and Lane, 1987, p. 44. Webster, 1988, p. 64. Meyer, Ausich, and Terry, 1989, p. 545, Fig.

- 10, no. E. Lane and Sevastopulo, 1990, p. 335. Donovan, 1992c, p. 34. Chen and Yao, 1993, p. 58, Fig. 33. Webster, 1993, p. 46. Blong and Matteson, 1995, p. iii, back cover. Kammer and Ausich, 1996, p. 852. Ausich and Sevastopulo, 2001, p. 78. Kammer and Gahn, 2003a, p. 123. Donovan and Lewis, 2003, p. 3. LeMenn, 2009, p. 470, Figs. 7.27, no. c; 7.28, no. a. Ausich and Copper, 2010, p. 48. Donovan et al., 2010, p. 51.
- CYATHOCRINUS* Agassiz, 1834, p. 197. Agassiz, 1838, p. 447. de Koninck, 1842-1844, p. 48. Austin and Austin, 1845, p. 58. Bronn, 1848, p. 365. d'Orbigny, 1849-51, p. 144. d'Orbigny, 1850, p. 46, 103, 157. Sandberger and Sandberger, 1850-1856, p. 387, Unnum. Fig. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 233. Quenstedt, 1852, p. 617, Pl. 54, fig. 20. de Koninck and LeHon, 1853, p. 79.
- Burmeister, 1856, p. 244. Pictet, 1857, p. 317, Pl. 100, fig. 15. Müller, J., 1858, p. 190. Eichwald, 1860, p. 592. Dujardin and Hupé, 1862, p. 129. Shumard, 1868, p. 362. Bigsby, 1868, p. 19, 196. Meek and Worthen, 1873, p. 325. Salter, 1873, p. 123. Roemer, C. F., 1876, 233. de Koninck, 1877-1878, p. 164. Zittel, 1880, p. 343, 351. Wachsmuth and Springer, 1879, p. 77 (300). Wachsmuth and Springer, 1883b, p. 376, Fig. 7. Quenstedt, 1885, p. 942, Pl. 75, fig. 1. Wachsmuth and Springer, 1886, p. 191, 225 (115, 149). Miller, S. A., 1889, p. 235. Steinmann and Döderlein, 1890, p. 155, 164. Bather, 1890b, p. 324.
- Bather, 1892c, p. 202. Bather, 1892e, p. 105. Bather, 1893a, p. 126. Zittel, 1895, p. 135, Fig. 259. Lahusen, 1895, p. 146. Koken, 1896, p. 281. Bather, 1899a, p. 35. Weller, S., 1900, p. 61. Wachsmuth *in* Zittel, 1900, p. 156, Fig. 259. Steinmann, 1903, p. 181. Delage and Herouard, 1903, p. 379. Steinmann, 1907, p. 202. Grabau and Shimer, 1910, p. 506. Bassler, 1915, p. 316. Bassler, 1938, p. 79. Bassler and Moodey, 1943, p. 388. Cuénot, 1948, p. 46, Fig. 59. Termier, G., and Termier, H., 1947, p. 256, Pl. 19, fig. 50. Yakovlev, 1954b, p. 1088, Fig. 1, no. a. Yakovlev, 1956a, p. 90, Fig. 36, no. 1. Yakovlev, 1958, p. 75, Fig. 36, no. 1. Yakovlev, 1964a, p. 83, Fig. 38, no. 1. Webster, 1973, p. 94. Lane and Moore *in* Moore and Teichert, 1978, p. T579.
- CATHOCRINUS* Miller, S. A., 1897, p. 741 (sic).
- Named, currently recognized species based on cups or crowns: 61 species. 5 Silurian, 2 Niagaran, 1 Wenlockian, 2 series undesignated; 13 Devonian, 1 Emsian, 1 Emsian – Eifelian, 2 Eifelian 2 Givetian, 4 Frasnian, 1 Famennian, 1 Late Devonian uncertain, 1 Devonian uncertain; 39 Mississippian, 14 Tournaisian, 1 Tournaisian – Viséan, 22 Viséan, 1 Serpukhovian, 1 series uncertain; 1 Pennsylvanian, Moscovian; 3 Permian, 2 Guadalupian – Lopingian undesignated, 1 Wordian
- Silurian, Wenlockian; Devonian, Mississippian, Tournaisian - Viséan; Permian, Guadalupian – Lopingian undesignated (Zechstein). United Kingdom
- Silurian, Wenlockian. Sweden
- Silurian. Estonia
- Silurian, Niagaran; Middle Devonian - Late Mississippian, Viséan (Meramecian). United States
- Early Devonian. Argentina

Devonian - Mississippian; Permian, Guadalupian – Lopingian undesignated  
(Zechstein). Germany  
Mississippian, Tournaisian - Viséan. China, Belgium, Spain  
Mississippian, Tournaisian. Ireland  
Mississippian, Tournaisian - Viséan; Pennsylvanian, Moscovian. Russia  
Permian, Wordian. Pakistan,

*Cyathocrinites* Christy, 1848 = *Cupulocrinus polydactylus*

*Cyathocrinites abbreviatus* Miller, J. S., 1821, p. 114, Unnum. Pl., fig. 6. Bassler and Moodey, 1943, p. 388. Ausich and Kammer, 2006, p. 103. (considered *nomen dubium*).

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Cyathocrinites acinotubus* (Angelin, 1878) = *Cyathocrinites* (*Levicyathocrinites*) *acinotubus* = *Levicyathocrinites acinotubus*

*Cyathocrinites andersoni* (Miller and Gurley, 1893) = *Cyathocrinites farleyi*

*Cyathocrinites arboreus* (Meek and Worthen, 1865) = *Cyathocrinites multibrachiatus*

*Cyathocrinites asperrimus* (Springer, 1911). Kammer, 1984, p. 125, Fig. 3, no. A. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 860, Figs. 10.1-10.3.

*Barycrinus asperrimus* Springer, 1911a, p. 200. Bassler and Moodey, 1943, p. 316. Kammer, 1984, p. 125. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 860.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale; Edwardsville Formation. United States, Indiana, Tennessee, Kentucky

*Cyathocrinites astralus* Kammer, 1984 = *Cyathocrinites harrodi*

*Cyathocrinites barrisi* (Hall, 1861). Bassler and Moodey, 1943, p. 388. Weller, S., 1898c, p. 198. Bassler and Moodey, 1943, p. 388. Kammer and Gahn, 2003a, p. 123, Figs. 3.17-3.20.

*Poteriocrinus barrisi* Hall, 1861a, p. 303; Hall, 1861b, p. 6. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 273. Bassler and Moodey, 1943, p. 388.

*Cyathocrinus barrisi* (Hall, 1861). Miller, 1889, p. 235. Weller, S., 1898c, p. 198. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cyathocrinites barydactylus* (Wachsmuth and Springer, 1878). Bassler and Moodey, 1943, p. 388. Kammer and Gahn, 2003a, p. 125, Figs. 2.5-2.6.

*Cyathocrinus barydactylus* Wachsmuth and Springer, 1878, p. 257, Pl. 2, fig. 5. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 198. Bassler and Moodey, 1943, p. 388.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Cyathocrinites benedicti* (Miller, 1891) = *Barycrinus benedicti*

*Cyathocrinites boonvillensis* (Miller, 1891) = *Cyathocrinites harrodi*

*Cyathocrinites brevisacculus* (Wachsmuth and Springer, 1891) = *Cyathocrinites iowensis*

*Cyathocrinites brittsi* (Miller and Gurley, 1895) = *Cyathocrinites (Levicyathocrinites) brittsi* = *Levicyathocrinites tennesseae*

*Cyathocrinites bursa* (Phillips, 1836). Bassler and Moodey, 1943, p. 389. Wright, J., 1952a, p. 125, Pl. 38, fig. 25. Webster, 1973, p. 95.

*Cyathocrinus bursa* Phillips, 1836, p. 206, Pl. 3, fig. 29. Austin and Austin, 1845, p. 63, Pl. 7, fig. 7a. Bronn, 1848, p. 365. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 389.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Cyathocrinites calcaratus* (Phillips), 1836. Bassler and Moodey, 1943, p. 389. Wright, J., 1952a, p. 125, Pl. 38, fig. 27. Webster, 1973, p. 95.

*Cyathocrinus calcaratus* Phillips, 1836, p. 206, Pl. 3, fig. 35. Austin and Austin, 1845, p. 63, Pl. 8, figs. 2a-2c. Bronn, 1848, p. 365. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 389.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Cyathocrinites capillaris* Phillips, 1839 = *Gissocrinus capillaris*

*Cyathocrinites chouteauensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 389.

*Cyathocrinus chouteauensis* Miller and Gurley, 1896a, p. 68, Pl. 4, fig. 16. Miller and Gurley, 1896b, p. 38, Pl. 2, fig. 24. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 199. Peck and Keyte, 1938, p. 103, Pl. 31, figs. 12-13. Bassler and Moodey, 1943, p. 389.

Mississippian, Tournaisian (Kinderhookian), Cheateau Limestone. United States, Missouri

*Cyathocrinites conglobatus* Troost, 1850 = *Cupulocrinus polydactylus*

*Cyathocrinites (CONICOCYATHOCRINITES) Frest*, 1977 =  
**CONICOCYATHOCRINITES**

*Cyathocrinites (Conicocyathocrinites) decatur* (Springer, 1926) = *Conicocyathocrinites decatur*

*Cyathocrinites (Conicocyathocrinites) longimanus* (Angelin, 1878) =  
*Conicocyathocrinites longimanus*

- Cyathocrinites (Conicocyathocrinites) ramosus* (Angelin, 1878) = *Conicocyathocrinites ramosus*
- Cyathocrinites (\*Conicocyathocrinites) wilsoni* (Springer, 1926) = *\*Conicocyathocrinites wilsoni*
- Cyathocrinites conicus* (Phillips, 1836). Bassler and Moodey, 1943, p. 389. Wright, J., 1952a, p. 126, Pls. 37, figs. 20, 22, 25, 27; 38, fig. 28. Webster, 1973, p. 95. Donovan, 1992c, p. 34.
- Cyathocrinus conicus* Phillips, 1836, p. 206, Pl. 3, fig. 27. Austin and Austin, 1845, p. 64, Pl. 8, figs. 1a-1b. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 157. Eichwald, 1860, p. 595. Wright, J., 1935, p. 199, Pl. 7, fig. 12. Bassler and Moodey, 1943, p. 389.
- Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Ireland  
Mississippian, Viséan. United Kingdom, Scotland; Belgium  
Mississippian. Series not given, Russia, Sloboda
- Cyathocrinites conicus?* (Phillips, 1836); Chen and Yao, 1993, p. 58, Pl. 12, figs. 10-12. Webster, Waters, and Chen, 2009, p. 151, Fig. 9, nos. g—l, n-q.
- Cyathocrinites conicus* (Phillips, 1836); Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 151.
- Mississippian, Tournaisian, Yudong Formation. China, Yunnan
- Cyathocrinites conicus* (Phillips), Chen and Yao, 1993 = *Cyathocrinites conicus?*
- Cyathocrinites? corolliferus* Hisinger, 1840 = *Clonocrinus corolliferus*
- Cyathocrinites corrugatus* Troost, 1850 = *Barycrinus hoveyi* = *B. rhombiferus*
- Cyathocrinites crateriformis* Troost, 1850 = *Eupachyrcrinus boydii*
- Cyathocrinites decaphyllus* Roemer, F. A., 1843, p. 8, Pl. 3, fig. 11. Richter, 1848, p. 41, Pl. 6, fig. 184. Bassler and Moodey, 1943, p. 389.
- Cyathocrinus decaphyllus?* Roemer, 1843. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 104.
- Devonian, Emsian? Kahlenberg Sandstone. Germany
- Cyathocrinites decatur* (Springer, 1926) = *Cyathocrinites (Conicocyathocrinites) decatur* = *Conicocyathocrinites decatur*
- Cyathocrinites depressus* Troost, 1850 = *Zeacrinus depressus* = *Hydreionocrinus depressus* = *Xystocrinus depressus* = *Zeacrinites depressus* = *Tholocrinus depressus*
- Cyathocrinites deroseari* Kammer and Gahn, 2003a, p. 127, Figs. 2.7-2.10.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Cyathocrinites diana* Bather, 1893 = *Cyathocrinites (Levicyathocrinites) diana* =  
*Levicyathocrinites diana*

*Cyathocrinites distensus* (Angelin, 1878) = *Cyathocrinites (Levicyathocrinites) distensus*  
= *Levicyathocrinites diana*

*Cyathocrinites distortus* (Gilbertson, 1836). Bassler and Moodey, 1943, p. 390.  
*Cyathocrinus distortus* Gilbertson in Phillips, 1836, p. 206, Pl. 3, fig. 34. Bronn,  
1848, p. 366. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 390.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Cyathocrinites divaricatus* (Hall, 1858) = *Cyathocrinites iowensis*

*Cyathocrinites dubius* (Münster, 1840). Bassler and Moodey, 1943, p. 390.  
*Cyathocrinus dubius* Münster, 1840, p. 104, Pl. 9, figs. 10a-10c. Bronn, 1848, p.  
366. d'Orbigny, 1850, p. 104. Bassler and Moodey, 1943, p. 390.  
Late Devonian, Series not given, glacial drift. Germany

*Cyathocrinites elongatus* (Knod, 1908). Bassler and Moodey, 1943, p. 390.  
Castellano, 1967, p. 141, Unnum. Fig. p. 141. Webster, 1977, p. 62.  
*Cyathocrinus elongatus* Knod, 1908, p. 571, Pl. 29, Figs. 6-6a. Bassler and  
Moodey, 1943, p. 390.  
Early Devonian, series not given. Argentina

*Cyathocrinites enormis* (Meek and Worthen, 1861) = *Zygotocrinus enormis*

*Cyathocrinites faberi* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 390.  
Kammer and Gahn, 2003a, p. 130 (nomen dubium).  
*Cyathocrinus faberi* Miller and Gurley, 1896c, p. 85, Pl. 5, figs. 12-15. Miller, S. A.,  
1897, p. 741. Weller, S., 1898c, p. 199. Bassler and Moodey, 1943, p. 390.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Cyathocrinites farleyi* (Meek and Worthen, 1866). Bassler and Moodey, 1943, p. 390.  
Ausich and Lane, 1982b, p. 1347. Kammer, 1984, p. 122, Fig. 3, nos. B-C.  
Webster, 1988, p. 64. ). Kammer and Ausich, 1996, p. 858, Figs. 10.4-10.23.  
*Cyathocrinus farleyi* Meek and Worthen, 1866b, p. 252. Meek and Worthen, 1868c,  
p. 517, Pl. 20, figs. 1a-1b, 6c; Unnum. Figs. Miller, S. A., 1889, p. 235, Fig. 274.  
Weller, S., 1898c, p. 199. Bassler and Moodey, 1943, p. 390. Kammer and  
Ausich, 1996, p. 858.  
*Cyathocrinus andersoni* Miller and Gurley, 1893, p. 30, Pl. 3, figs. 2-3. Miller, S. A.,  
1897, p. 741. Weller, S., 1898c, p. 198. Bassler and Moodey, 1943, p. 388.  
Kammer and Ausich, 1996, p. 858.  
*Cyathocrinites andersoni* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p.  
388. Kammer and Ausich, 1996, p. 858.  
*Cyathocrinus granulatus* Rowley, R. R., 1902b, p. 305, Pl. 18, figs. 9-10. Bassler  
and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 858.  
*Cyathocrinites granulatus* (Rowley, 1902). Bassler and Moodey, 1943, p. 391.  
Kammer and Ausich, 1996, p. 858.

- Cyathocrinus snivelyi* Rowley, R. R., 1902b, p. 305, Pl. 18, figs. 6-8. Bassler and Moodey, 1943, p. 395. Kammer and Ausich, 1996, p. 858.  
*Cyathocrinites snivelyi* (Rowley, 1902). Bassler and Moodey, 1943, p. 395. Kammer and Ausich, 1996, p. 858.  
 Mississippian, Viséan (Osagean), Keokuk Limestone; New Providence Shale; Fort Payne Formation. United States, Iowa, Missouri, Illinois, Kentucky, Tennessee
- Cyathocrinites fischeri* (Spandel, 1899). Bassler and Moodey, 1943, p. 390.  
*Cyathocrinus? fischeri* Spandel, 1899, p. 30, Pl. 12, figs. 5-7. Branson, C. C., 1948, p. 188. Bassler and Moodey, 1943, p. 390.  
 Permian, Guadalupian – Lopingian (Zechstein). ?Germany
- Cyathocrinites? fonei* Donovan et al., 2010, p. 54, Pl. 9, figs. 7a-7b.  
*Cyathocrinites* sp. nov. Donovan et al., 2008, p. 41. Donovan et al., 2010, p. 54.  
*Cyathocrinites* sp. nov. Donovan et al., 2008a, table 15.2. Donovan et al., 2010, p. 54.  
 Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Worcestershire
- Cyathocrinites formosus* (Rowley, 1905). Bassler and Moodey, 1943, p. 390.  
*Cyathocrinus formosus* Rowley, R. R., 1905, p. 301, Pl. 21. Bassler and Moodey, 1943, p. 390.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- “*Cyathocrinites*” *formosus* (Rowley, 1905). Kammer and Gahn, 2003a, p. 128, Fig. 1.4.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Cyathocrinites foveolatus* (Eichwald, 1856). Bassler and Moodey, 1943, p. 390.  
*Cyathocrinus foveolatus* Eichwald, 1856, p. 116. Eichwald, 1860, p. 595, Pl. 30, figs. 54a-54b. Bassler and Moodey, 1943, p. 390.  
 Pennsylvanian, Moscovian. Russia, Mjatschkowa
- Cyathocrinites fragilis* Meek and Worthen, 1868 = *Cyathocrinites iowensis*
- Cyathocrinites geometricus* Goldfuss, 1831 = *Sphaerocrinus geometricus*
- Cyathocrinites gilesi* (Wachsmuth and Springer, 1878). Bassler and Moodey, 1943, p. 391. Kammer and Gahn, 2003a, p. 127, Figs. 3.1-3.8.  
*Cyathocrinus gilesi* Wachsmuth and Springer, 1878, p. 259, Pl. 2, figs. 6, 8.  
 Wachsmuth and Springer, 1886, Pl. 4, figs. 2-3. Miller, S. A., 1889, p. 235.  
 Wachsmuth and Springer, 1897, Pl. 3, figs. 1a-1b. Bassler and Moodey, 1943, p. 391.  
*Cyathocrinus gilesii* Wachsmuth and Springer, 1878. Weller, S., 1898c, p. 200.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa



*Cyathocrinites glaber* (Angelin, 1878) = *Cyathocrinites (Levicyathocrinites) glaber* = *Levicyathocrinites glaber*

*Cyathocrinites glenni* Ausich and Lane, 1982b, p. 1345, Pl. 1, figs. 10, 14-15, 18, 20. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 860. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Cyathocrinites* cf. *glenni* Ausich and Lane, 1982b, p. 1345, Pl. 1, fig. 11. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 861. Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Cyathocrinites globosus* Garner, 1844 (*non* Troost, 1850), p. 456, Pl. A, fig. 6. (Not a *Cyathocrinites*, GDW) Silurian, series not given. United Kingdom

*Cyathocrinites globosus* (Troost *in* Wood, 1850). Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 391. Newell, 2005, p. 31, Fig. 3, nos. 17-18 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 486, suppl, p. 13. *Cyathocrinus globosus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Miller, S. A., 1889, p. 235. Troost, Ms, *in* Wood, E., 1909, p. 82, Pl. 5, figs. 17-18. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 391. Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Tennessee

*Cyathocrinites goliathus* (Waagen, 1887) = *Cyathocrinus goliathus*

*Cyathocrinites goniodactylus* Phillips, 1839 = *Gissocrinus goniodactylus*

*Cyathocrinites gorbyi* (Miller, 1892) = *Cyathocrinites harrodi*

*Cyathocrinites gosae* (Roemer, 1866). Bassler and Moodey, 1943, p. 391. *Cyathocrinus? gosae* Roemer, F. A., 1866a, p. 807, Pl. 33, fig. 13. Roemer, F. A., 1866b, p. 222. Bassler and Moodey, 1943, p. 391. Devonian, Eifelian, *Calceola* Beds; Dachschiefer. Germany

*Cyathocrinites gracilis* Troost, 1850 = *Phanocrinus maniformis*

*Cyathocrinites granulatus* (Münster, 1839). Bassler and Moodey, 1943, p. 391. *Cyathocrinus granulatus* Münster, 1839, p. 5. Bassler and Moodey, 1943, p. 391. Mississippian, Tournaisian. Belgium

*Cyathocrinites granulatus* (Rowley, 1902) = *Cyathocrinites farleyi*

*Cyathocrinites gurleyi* (Miller, 1891) = *Cyathocrinites iowensis*

*Cyathocrinites harrodi* (Wachsmuth and Springer, 1880). Bassler and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 860, Figs. 9.1-9.1.

- Cyathocrinus harrodi* Wachsmuth and Springer, 1880, p. 87. Miller, S. A., 1889, p. 235. Wachsmuth and Springer, 1891, p. 392, Pl. 10, fig. 1. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 860.
- Cyathocrinus boonvillensis* Miller, S. A., 1891b, p. 29, Pl. 4, figs. 3-4. Miller, S. A., 1892a, p. 676. Weller, S., 1898c, p. 199. Bassler and Moodey, 1943, p. 389. Kammer and Ausich, 1996, p. 860.
- Cyathocrinus boonenvillensis* Miller, 1891. Miller, S. A., 1897, p. 741, Fig. 1329.
- Cyathocrinites boonvillensis* (Miller, 1891). Bassler and Moodey, 1943, p. 388. Kammer and Ausich, 1996, p. 860.
- Cyathocrinus gorbyi* Miller, S. A., 1892a, p. 676. Miller, S. A., 1892c, p. 44, Pl. 5, figs. 6-8. Miller, S. A., 1894, p. 298, Pl. 5, figs. 6-8. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 391 (possibly = *C. harrodi*). Kammer and Ausich, 1996, p. 860.
- Cyathocrinites gorbyi* (Miller, 1892). Bassler and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 860.
- Cyathocrinites astralus* Kammer, 1984, p. 124, Fig. 3, nos. G-O. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 860.
- Mississippian, Viséan (Osagean), Keokuk Limestone, Warsaw Limestone; Borden Formation, New Providence Shale. United States, Indiana, Missouri, Kentucky
- Cyathocrinites ignotus* (Trenkner, 1868). Bassler and Moodey, 1943, p. 391.
- Cyathocrinus ignotus* Trenkner, 1868, p. 27, Pl. 4, fig. 60a-60b. Bassler and Moodey, 1943, p. 391.
- Devonian, Frasnian, Iberg Limestone. Germany
- Cyathocrinites? inaequidactylus* (M'Coy, 1844). Ausich and Sevastopulo, 2001, p. 84, (nomen dubium).
- Cyathocrinus inaequidactylus* M'Coy, 1844, p. 179, Pl. 26, fig. 8. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 296.
- Amblacrinus inaequidactylus* (M'Coy, 1844). d'Orbigny, 1850, p. 156. Bassler and Moodey, 1943, p. 296. Ausich and Sevastopulo, 2001, p. 84.
- Mississippian, late Tournaisian, Mountain Limestone. Ireland
- Cyathocrinites indicus* (Waagen, 1887) = Unnamed n. gen. 2
- Cyathocrinites inflatus* Troost, 1850 = *Linocrinus cariniferous*
- Cyathocrinites insperatus* (Lyon, 1869) = *Saccosomopsis insperatus*
- ?*Cyathocrinites insperatus* (Lyon, 1869) = *Saccosomopsis insperatus*
- Cyathocrinites iowensis* (Owen and Shumard, 1850). Bassler and Moodey, 1943, p. 892. Kammer and Ausich, 1996, p. 852, Figs. 7.1-7.22, 8.1-8.19. ). Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 12. Kammer and Gahn, 2003a, p. 123, Fig. 2.1. Lee, Ausich, and Kammer, 2005, p. 347.
- Cyathocrinus iowensis* Owen and Shumard, 1850, p. 63, Pl. 7, figs. 11a-11c. Owen and Shumard, 1852, p. 591, Pl. 5-A, figs. 11a-11c. Meek and Worthen, 1869b, p. 436. Meek, 1874, p. 370. Miller, S. A., 1889, p. 236. Steinmann and Döderlein,

- 1890, p. 165, Fig. 164, nos. D-E. Keyes, 1894a, p. 207, Pl. 25, fig. 11. Weller, S., 1898c, p. 201. Steinmann, 1903, p. 181, Fig. 252, nos. D-E. Steinmann, 1907, p. 165, Fig. 164, nos. D-E. Grabau and Shimer, 1910, p. 507. Bassler and Moodey, 1943, p. 892. Kammer and Ausich, 1996, p. 852.
- Cyathocrinus iowaensis* Owen and Shumard, 1850. Shumard, 1868, p. 362 (sic).
- Cyathocrinus iovenssis* Owen and Shumard, 1850. Wachsmuth and Springer, 1885, Pl. 5, figs. 7-8 (sic). Kammer and Ausich, 1996, p. 852.
- Cyathocrinus malvaceus* Hall, 1858c, p. 554, Pl. 9, figs. 4a-4b. Shumard, 1868, p. 363. Meek and Worthen, 1869b, p. 436. Meek, 1874, p. 370. Zittel, 1880, p. 331, 351, Figs. 225; 238, nos. d-e. Miller, S. A., 1889, p. 236. Neumayr, 1889, p. 450, Fig. 129, nos. 2-3. Lahusen, 1895, p. 140, Fig. 190, nos. a-b. Weller, S., 1898c, p. 201. Wachsmuth *in* Zittel, 1900, p. 156, Fig. 260, nos. d-e. Springer *in* Zittel, 1913, p. 220, Fig. 319, no. C. Bassler and Moodey, 1943, p. 392. Kammer and Ausich, 1996, p. 852.
- Cyathocrinites malvaceus* (Hall, 1858). Meek 1874, p. 370. Bassler and Moodey, 1943, p. 392.
- Cyathocrinus divaricatus* Hall, 1858c, p. 554, Pl. 9, fig. 5. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 390. Kammer and Ausich, 1996, p. 852.
- Cyathocrinites divaricatus* (Hall, 1858). Bassler and Moodey, 1943, p. 390.
- Cyathocrinites fragilis* Meek and Worthen, 1868b, p. 337. Meek and Worthen, 1873, p. 401, Pl. 2, fig. 14. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 391. Kammer and Gahn, 2003a, p. 123.
- Cyathocrinus fragilis* (Meek and Worthen, 1868). Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 200.
- Cyathocrinus rotundatus* Hall, 1858c, p. 555, Pl. 9, figs. 7a-7b. Hall, 1860, Pl. 3, fig. 8. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 395. Kammer and Ausich, 1996, p. 852.
- Cyathocrinites rotundatus* (Hall, 1858). Bassler and Moodey, 1943, p. 395. Kammer and Ausich, 1996, p. 852.
- Cyathocrinus viminalis* Hall, 1861a, p. 299. Hall, 1861b, p. 5. Hall, 1861c, p. 299. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Whitfield, 1893b, p. 28, Pl. 3, fig. 7. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 396. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites viminalis* (Hall, 1861). Bassler and Moodey, 1943, p. 396.
- Cyathocrinus parvibrachiatus* Hall, 1861a, p. 294. Hall, 1861b, p. 6. Hall, 1861c, p. 294. Shumard, 1868, p. 363. Hall, 1872c, Pl. 5, figs. 1-2. Worthen, 1883, p. 309, Pl. 28, fig. 5. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 202. Grabau and Shimer, 1910, p. 507. Bassler and Moodey, 1943, p. 394. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites parvibrachiatus* (Hall, 1861). Bassler and Moodey, 1943, p. 394. Webster, 1988, p. 65. Feldman, 1989b, p. 908, Fig. 4, nos. 8-9. Webster, 1993, p. 46.
- Cyathocrinus hamiltonensis* Worthen, 1882, p. 32. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 394. Kammer and Ausich, 1996, p. 853.
- Cyathocrinus nodosus* Wachsmuth and Springer, 1890b, Pl. 9, fig. 8. Wachsmuth

- and Springer, 1897, Pls. 3, fig. 3; 7, figs. 11a-11b. Bassler and Moodey, 1943, p. 393. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites nodosus* (Wachsmuth and Springer, 1890). Bassler and Moodey, 1943, p. 393. Kammer, 1984, p. 124, Fig. 3, no. X. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 853.
- Cyathocrinus brevisacculus* Wachsmuth and Springer, 1891, p. 391, Figs. 7, 9. Wachsmuth and Springer, 1897, Pls. 3, fig. 2; 7, figs. 12a-12b. Bassler and Moodey, 1943, p. 389. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites brevisacculus* (Wachsmuth and Springer, 1891). Bassler and Moodey, 1943, p. 389. Ubaghs, 1953, p. 750, Fig. 21, no. f. Webster, 1973, p. 95.
- Cyathocrinus opimus* Miller and Gurley, 1890b, p. 28, Pl. 5, fig. 5. Miller and Gurley, 1891, p. 348, Pl. 5, fig. 5. Miller, S. A., 1892a, p. 676. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 394. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites opimus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 394. Van Sant in Van Sant and Lane, 1964, p. 81, Pl. 2, fig. 1. Webster, 1973, p. 95. Kammer and Ausich, 1996, p. 853.
- Cyathocrinus gurleyi* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 676, Fig. 1219. Miller and Gurley, 1892b, p. 657, Pl. 9, fig. 4. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 853.
- Cyathocrinites gurleyi* Miller, 1891. Bassler and Moodey, 1943, p. 391. Kammer and Ausich, 1996, p. 853.
- Mississippian, Viséan (middle - late Osagean - early Meramecian), lower and upper parts of Burlington Limestone; Lake Valley Limestone; Keokuk Limestone; lower part of Warsaw Formation; Edwardsville Formation; New Providence Shale; Harrodsburg Limestone; Salem Limestone, Somerset Shale Member; Borden Formation, Nada Member and Muldraugh Member. United States, Iowa, New Mexico, Illinois, Missouri, Indiana, Kentucky
- Cyathocrinites irregularis* (Trenkner, 1868). Bassler and Moodey, 1943, p. 892.
- Cyathocrinus irregularis* Trenkner, 1868, p. 27, Pl. 4, figs. 64a-64b. Bassler and Moodey, 1943, p. 892.
- Devonian, Frasnian, Iberg Limestone. Germany
- Cyathocrinites kattaensis* Waagen, 1887 = Unnamed n. gen. 2
- Cyathocrinites kelloggi* (White, 1862). Kammer and Ausich, 1996, p. 857, Figs. 9.11-9.19. Kammer and Gahn, 2003a, p. 123.
- Cyathocrinus kelloggi* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 8. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 317. Kammer and Ausich, 1996, p. 857.
- Barycrinus kelloggi* (White, 1862). Wachsmuth and Springer, 1880 (1879), p. 102 (325). Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 120. Bassler and Moodey, 1943, p. 318. Kammer and Ausich, 1996, p. 857.
- Cyathocrinus subtumidus* Meek and Worthen, 1865b, p. 151. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 857.

*Barycrinus subtumidus* (Meek and Worthen, 1865). Meek and Worthen, 1873, p. 487, Pl. 13, fig. 3. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 319. Kammer and Ausich, 1996, p. 857.

*Cyathocrinites parvibrachiatus* (Hall, 1861). Kammer, 1984, p. 122, Fig. 3, no. Z. Kammer and Ausich, 1996, p. 857.

*Cyathocrinites* sp. Kammer, 1984, p. 124, Fig. 3, nos. CC-EE. Webster, 1988, p. 65. Kammer and Ausich, 1996, p. 857.

Mississippian, Viséan (late Osagean - early Meramecian), lower and upper parts of Burlington Limestone; Keokuk Limestone; New Providence Shale; Edwardsville Formation; Fort Payne Formation. United States, Iowa, Illinois, Kentucky, Tennessee

*Cyathocrinites lamellosus* (White, 1863). Bassler and Moodey, 1943, p. 892. Kammer and Gahn, 2003a, p. 123, Figs. 2.2-2.4.

*Cyathocrinus lamellosus* White, C. A., 1863, p. 504. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 892.

*Cyathocrinus lammellosus* White, 1863. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 236.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Cyathocrinites* (*LEVICYATHOCRINITES*) Frest, 1977 = **LEVICYATHOCRINITES**

*Cyathocrinites* (*\*Levicyathocrinites*) *acinotubus* (Angelin, 1878) = *\*Levicyathocrinites acinotubus*

*Cyathocrinites* (*Levicyathocrinites*) *brittsi* (Miller and Gurley, 1895) = *Levicyathocrinites tennesseae*

*Cyathocrinites* (*Levicyathocrinites*) *dianae* (Bather, 1893) = *Levicyathocrinites dianae*

*Cyathocrinites* (*Levicyathocrinites*) *distensus* (Angelin, 1878) = *Levicyathocrinites distensus*

*Cyathocrinites* (*Levicyathocrinites*) *glaber* (Angelin, 1878) = *Levicyathocrinites glaber*

*Cyathocrinites* (*Levicyathocrinites*) *monilifer* (Angelin, 1878) = *Levicyathocrinites monilifer*

*Cyathocrinites* (*Levicyathocrinites*) *muticus* (Angelin, 1878) = *Levicyathocrinites muticus*

*Cyathocrinites* (*Levicyathocrinites*) *vallatus* (Bather, 1892) = *Levicyathocrinites vallatus*

*Cyathocrinites loganensis* (Müller, 1858) = *Sigambrocrinus laevis*

*Cyathocrinites longimanus* (Angelin, 1878) = *Cyathocrinites* (*Conicocyathocrinites*) *longimanus* = *Conicocyathocrinites longimanus*

*Cyathocrinites macadamsi* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 892.

*Cyathocrinus macadamsi* Miller and Gurley, 1895b, p. 69, Pl. 4, figs. 31-32. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 392.

Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Illinois

*Cyathocrinites malvaceus* (Hall, 1858) = *Cyathocrinites iowensis*

*Cyathocrinites mammillaris* (Phillips, 1836). Bassler and Moodey, 1943, p. 392.

Wright, J., 1952a, p. 124, Pls. 37, figs. 28-30; 38, fig. 29. Webster, 1973, p. 95. Donovan, 1992c, p. 37.

*Cyathocrinus mammillaris* Phillips, 1836, p. 206, Pl. 3, fig. 28. Austin and Austin, 1845, p. 64, Pl. 7, figs. 8a-8b. Bronn, 1848, p. 366. Bather, 1892d, p. 206, Fig. 7. Bather, 1893a, p. 127, Fig. 18, no. 7. Bather *in* Lankester, 1900, p. 127, Fig. 39, no. 2. Schmidt, W. E., 1930, p. 27, Pl. 3, figs. 23a-23b. Bassler and Moodey, 1943, p. 392.

*Cyathocrinus mamillaris* Phillips, 1836. d'Orbigny, 1850, p. 157 (sic).

Mississippian, Tournaisian - Viséan, Mountain Limestone. United Kingdom, Scotland, Clitheroe area; Belgium, Germany, Spain

*Cyathocrinites marshallensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 393.

*Cyathocrinus? marshallensis* Worthen, 1882. Weller, S., 1898c, p. 201.

Bassler and Moodey, 1943, p. 393.

*Cyathocrinus marshallensis* Worthen, 1882, p. 310, Pl. 30, fig. 4. Miller, S. A., 1889,

p. 236. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 393.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Cyathocrinites milleri* (M'Coy, 1844). Bassler and Moodey, 1943, p. 393. Lane and Moore *in* Moore and Teichert, 1978, p. T581, Fig. 373, no. 1e. Webster, 1986, p. 114.

*Atocrinus milleri* M'Coy, 1844, p. 183, Pl. 25, fig. 20. d'Orbigny, 1850, p. 157.

Roemer, C. F. *in* Bronn and Roemer, 1851, p. 246, Pl. 4, figs. 12a-12b. Roemer, C. F., 1852-1854, p. 246, Pl. 4, figs. 12a-12b. Pictet, 1857, p. 333, Pl. 101, fig. 17. Bronn, 1860, Pl. 28, fig. 6. Eichwald, 1860, p. 604. Bassler and Moodey, 1943, p. 393.

*Cyathocrinus milleri* Wachsmuth and Springer, 1886, p. 226 (150). Bassler and Moodey, 1943, p. 393.

Mississippian, Tournaisian, Mountain Limestone. Ireland

*Cyathocrinites monile* Salter, 1873 = *Levicyathocrinites acinotubus*

*Cyathocrinites monilifer* (Angelin, 1878) = *Cyathocrinites (Levicyathocrinites) monilifer* = *Levicyathocrinites monilifer*

- Cyathocrinites multibrachiatus* (Lyon and Casseday, 1859). Bassler and Moodey, 1943, p. 393. Van Sant *in* Van Sant and Lane, 1964, p. 80, Pls. 2, figs. 2-3; 3, figs. 4-5, 10-11; Fig. 21, no. 1. Priest, 1973, p. 74, Fig. 9. Webster, 1973, p. 95. Webster, 1977, p. 62. Kammer, 1984, p. 122, Fig. 3, nos. D-F. Webster, 1988, p. 64. Kammer and Ausich, 1996, p. 857, Figs. 9.8-9.10. Baumiller and Ausich, 1996, p. 54, Fig. 9, no. E. Ausich et al. *in* Hess et al., 2000, p. 28, Fig. 46. Webster and Maples, 2008, p. 201, Fig. 10.1, no. 6.
- Cyathocrinus multibrachiatus* Lyon and Casseday, 1859, p. 245. Shumard, 1868, p. 363. Hall, 1872c, Pl. 5, figs. 3, 5-6. Quenstedt, 1885, p. 946, Pl. 75, figs. 22. Wachsmuth and Springer, 1885, Pl. 4, figs. 6-7b. Miller, S. A., 1889, p. 236, Fig. 275. Neumayr, 1889, p. 473, Fig. 144. Lesley, 1889, p. 166, Fig. 1 (Not *C. multibrachiatus*, GDW). Wachsmuth and Springer, 1897, p. 96, Pl. 3, fig. 4. Weller, S., 1898c, p. 202. Bather *in* Lankester, 1900, p. 174, Figs. 89, nos. 1-2. Delage and Herouard, 1903, p. 380. Grabau and Shimer, 1910, p. 507. Moore, 1939b, p. 243, Fig. 13, no. 9 (arm plate and covering plates). Bassler and Moodey, 1943, p. 393. Kammer and Ausich, 1996, p. 857.
- Cyathocrinites arboreus* (Meek and Worthen, 1865). Bassler and Moodey, 1943, p. 388. Van Sant *in* Van Sant and Lane, 1964, p. 80. Webster, 1973, p. 95. Kammer and Ausich, 1996, p. 857.
- Cyathocrinus arboreus* Meek and Worthen, 1865c, p. 160. Meek and Worthen, 1868c, p. 510, Unnum. Fig. Bassler and Moodey, 1943, p. 388. Kammer and Ausich, 1996, p. 857.
- Poteriocrinus carinobrachiatus* Quenstedt, 1885, p. 950, Pl. 76, fig. 11. Bassler and Moodey, 1943, p. 393.
- Cyathocrinites* sp. Sprinkle, 1987. Kammer and Ausich, 1996, p. 857. Mississippian, Viséan (Osagean), Edwardsville Formation, New Providence Shale; Fort Payne Formation; Harrodsburg Limestone. United States, Indiana, Kentucky, Tennessee
- Cyathocrinites multibrachiatus squarrosa* (Hall, 1872). Bassler and Moodey, 1943, p. 393.
- Cyathocrinus multibrachiatus* var. *squarrosa* Hall, 1872c, Pl. 5, fig. 4. Bassler and Moodey, 1943, p. 393.
- Cyathocrinus multibrachiatus* var. *squamosus* Hall, 1872. Miller, S. A., 1892a, p. 676. Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Cyathocrinites muticus* (Angelin, 1878) = *Cyathocrinites* (*Levicyathocrinites*) *muticus* = *Levicyathocrinites muticus*
- Cyathocrinites? nanus* (Grubbs, 1939). Bassler and Moodey, 1943, p. 393. Frest, 1977, p. 130. Webster, 1986, p. 114.
- Cyathocrinus? nanus* Grubbs, 1939, p. 550, Pl. 61, figs. 31, 32, 35; Fig. 2. Bassler and Moodey, 1943, p. 393. Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Cyathocrinites nodosus* (Wachsmuth and Springer, 1890) = *Cyathocrinites iowensis*

*Cyathocrinites opimus* (Miller and Gurley, 1890) = *Cyathocrinites iowensis*

*Cyathocrinites ornatissimus* Hall, 1843 (part) = *Hallocrinus ornatissimus*

*Cyathocrinites ornatissimus* Hall, 1843 (part) = *Scytalocrinus ornatissimus* =  
*Maragnicrinus portlandicus*

*Cyathocrinites ornatus* (Phillips, 1836). Bassler and Moodey, 1943, p. 394. Ausich and Kammer, 2006, p. 104 (considered *nomen dubium*).

*Cyathocrinus ornatus* Phillips, 1836, p. 206, Pl. 3, figs. 36-37. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 157. Bigsby, 1868, p. 19, 196. Bassler and Moodey, 1943, p. 394.

Mississippian, Tournaisian, Mountain Limestone. Ireland; United Kingdom

*Cyathocrinites ovalis* (Rowley, 1904) = *Lasiocrinus ovalis* = *Thalamocrinus ovalis*

*Cyathocrinites parvibrachiatus* (Hall, 1861) = *Cyathocrinites iowensis*

*Cyathocrinites parvibrachiatus* (Hall, 1861) Kammer, 1984 = *Cyathocrinites kelloggi*

*Cyathocrinites patulosus* (Wright, 1935). Bassler and Moodey, 1943, p. 394. Wright, 1952a, p. 127, Pls. 37, figs. 9, 11-13, 15-19, 21, 24, 26; 38, fig. 34; Figs. 67-70. Webster, 1973, p. 95. Donovan, 1992c, p. 37.

*Cyathocrinus patulosus* Wright, J., 1935, p. 197, Pl. 7, figs. 9-11, 13-15; Figs. 5-8. Mississippian, early Viséan. United Kingdom, Scotland, Clitheroe area

*Cyathocrinites pentasphericus* Troost, 1849 = *Barycrinus pentasphericus*

*Cyathocrinites pinnatus* Goldfuss, 1831 = *Orthocrinus pinnatus*

\**Cyathocrinites planus* Miller, J. S., 1821, p. 85, Unnum. Pl. opp. p. 86. Bronn, 1825, Pl. 3, fig. 7. Fleming, 1828, p. 495. Bronn, 1837, p. 62, Pl. 4, figs. 6a-6b. Bassler, 1938, p. 79. Bassler and Moodey, 1943, p. 394. Wright, J., 1952a, p. 121, Pls. 36, fig. 13; 37, figs. 1-8, 10, 14, 23, 31; 38, fig. 26. Lane, N. G., 1967a, p. 237. China, 1970, p. 70. Webster, 1973, p. 95. Lane and Moore *in* Moore and Teichert, 1978, p. T579, Figs. 372, no. 1; 373, nos. 1a-1d. Webster, 1986, p. 114. Donovan, *et. al.* 1986, p. 813, Fig. 4, no. B. Donovan, 1992c, p. 34. Webster, 1993, p. 46. Ausich and Sevastopulo, 2001, p. 78.

*Cyathocrinus planus* (Miller, 1821). Bronn, 1848, p. 366. Mantell, 1854, p. 295, Fig. 92, no. 2; 95. Pictet, 1857, p. 318, Pl. 100, fig. 16. Dujardin and Hupé, 1862, p. 131. Meek and Worthen, 1869b, p. 437. Miller, S. A., 1889, p. 236. Bassler and Moodey, 1943, p. 394.

*Encrinites planus* (Miller, 1821). Schlotheim, 1822-1823, p. 98, Pl. 26, fig. 6. Schlotheim, 1832, p. 25, Pl. 26, figs. 6a-6e. Bassler and Moodey, 1943, p. 394. Ausich and Sevastopulo, 2001, p. 78. Donovan and Lewis, 2003, p. 3, Pl. 3, fig.



7.

*Platycrinus planus* (Miller, 1821). Austin and Austin, 1845, p. 58, Pl. 7, figs. 4a-4e.  
Rofe, 1865b, p. 251, Pl. 8, fig. 4. Bather, 1893a, p. 127, Fig. 18, no. 6. Bather *in*  
Lankester, 1900, p. 127, Fig. 39, no. 1.

*Poteriocrinus planus* (Miller, 1821). Roemer, C. F. *in* Bronn and Miller, 1851, p. 239.  
Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds to  
*Linoproductus* Beds. Ireland

*Cyathocrinites planus* Goldfuss. Eichwald, 1840b, p. 172, unfig.

**Note.** I have been unable to find any Goldfuss use of this combination. Not *C.*  
*planus*, species uncertain from description. GDW)  
Silurian. Estonia

*Cyathocrinites poterium* (Meek and Worthen, 1870) = *Saccosomopsis insperatus*

*Cyathocrinites?* *pulcher* Hisinger, 1840 = *Crotalocrinites pulcher*

*Cyathocrinites pyriformis* Phillips, 1839 = *Ichthyocrinus pyriformis*

*Cyathocrinites pyriformis* Hall, 1843 (*non* Phillips, 1839) = *Ichthyocrinus laevis*

*Cyathocrinites quinquangularis* Miller, 1821 = *Parisocrinus quenquangularis*

*Cyathocrinites quinquangularis* Eichwald, 1840b, p. 173 (*non* Miller, 1821).

**Note,** not a *Parisocrinus*, GDW.  
Silurian. Estonia

*Cyathocrinites?* *radiatus* (Austin and Austin, 1843) Ausich and Sevastopulo, 2001, p.  
83, Pl. 9, figs. 11-13; Fig. 11, nos. B-C.

*Poteriocrinites radiatus* Austin and Austin, 1843, p. 108, 196. Bassler and Moodey,  
1943, p. 592. Ausich and Sevastopulo, 2001, p. 83.

*Poteriocrinus radiatus* (Austin and Austin, 1843). Austin and Austin, 1846, p. 79, Pl.  
10, figs. 1a-1b. Bronn, 1848, p. 1035. de Koninck and Le Hon, 1854, p. 101, Pl.  
1, figs. 12a-12b. Pictet, 1857, p. 316, Pl. 100, fig. 12. Dujardin and Hupé, 1862,  
p. 127, Pl. 5, fig. 3. Quenstedt, 1885, p. 949, Fig. 351. ?Julien, 1896, p. 137.  
Bassler and Moodey, 1943, p. 592. Ausich and Sevastopulo, 2001, p. 83.

*Poteriocrinus (Parisocrinus) radiatus* Austin; Wachsmuth and Springer, 1880, p.  
338.

Ausich and Sevastopulo, 2001, p. 83.

*Parisocrinus radiatus* (Austin and Austin), Wachsmuth and Springer, 1880 (1879), p.  
115 (338). Wachsmuth and Springer, 1886, p. 221, 232, 233. Bather, 1890c, p.  
388, Pl. 15, fig. 8. Bassler and Moodey, 1943, p. 592. Wright, J., 1950, p. 17, Pl.  
5, figs. 1, 5, 9. Webster, 1973, p. 197. Ausich and Sevastopulo, 2001, p. 83.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Ireland, Belgium

*Cyathocrinites radiatus* (Eichwald, 1856) (*non* Austain and Austin, 1843, GDW, 2010).  
Bassler and Moodey, 1943, p. 395.

*Apiocrinus radiatus* Eichwald, 1856, p. 115. Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus radiatus* (Eichwald, 1856). Eichwald, 1860, p. 592, Pl. 31, figs. 50a-50f.

Mississippian. Series not given. Russia

*Cyathocrinites ramosus* (Angelin, 1878) = *Cyathocrinites* (*Conicocyathocrinites*) *ramosus* = *Conicocyathocrinites ramosus*

*Cyathocrinites?* *ramosus* (Schlotheim, 1816-1817). Bassler and Moodey, 1943, p. 395.

*Encrinites ramosus* Schlotheim, 1816-1817, p. 8. Schlotheim, 1820, p. 530.

Schlotheim, 1822, p. 20, Pls. 2, fig. 8; 3, figs. 19a-19b. Branson, C. C., 1948, p. 189. Bassler and Moodey, 1943, p. 395.

*Cyathocrinus ramosus* (Schlotheim, 1816-1817). Geinitz, 1848, p. 16, Pl. 7, figs. 3-6. King, 1850, p. 50, Pl. 6, figs. 15-20. Geinitz, 1861, p. 109, Pl. 20, figs. 10-14. Geinitz, 1867a, p. 62, Pl. 4, fig. 19. Netschajew, 1894, p. 116, Pl. 1, fig. 45. Spandel, 1898b, p. 28, Pl. 12, figs. 1-4, 8-20. Frech, 1902, Pl. 62, figs. 3a-3c. Branson, C. C., 1948, p. 189. Bassler and Moodey, 1943, p. 395.

*Encrinites ramosus major* Schlotheim, 1820, p. 331. Bassler and Moodey, 1943, p. 395.

Permian, Guadalupian – Lopingian undesignated (Zechstein). Germany, United Kingdom

*Cyathocrinites ramosus* Angelin, 1878. Hollingworth and Pettigrew, 1988, p. 15, 32, 42, Figs. 5, 7-8. 15. (not *Cyathocrinites ramosus*, GDW).

Permian, Guadalupian – Lopingian undesignated (Zechstein), Ford Formation. United Kingdom, Scotland

'*Cyathocrinites*' *ramosus* (Schlotheim, 1816-1817). Donovan, *et al.*, 1986, p. 814, Pls. 71, 72; Figs. 4, no. A, 5-6, 9. Webster, 1993, p. 46.

Permian, Guadalupian – Lopingian undesignated (Zechstein), Ford Formation. United Kingdom

*Cyathocrinites rarus* (Lyon, 1869). Bassler and Moodey, 1943, p. 395.

*Cyathocrinus rarus* Lyon, 1869, p. 455, Pl. 27, figs. i, l-1. Miller, S. A., 1889, p. 236. Bassler and Moodey, 1943, p. 395.

Devonian, Emsian – Eifelian undesignated, Jeffersonville Limestone. United States, Indiana

*Cyathocrinites rheanus* (Roemer, 1851) = *Eutaxocrinus rheanus*

*Cyathocrinites rigidus* (White, 1862). Bassler and Moodey, 1943, p. 395. Kammer and Gahn, 2003a, p. 125, Figs. 2.11-2.14.

*Cyathocrinus rigidus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 8.

Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 202. Bassler and Moodey, 1943, p. 395.

*Cyathocrinites tenuidactylus* Meek and Worthen, 1868. Kammer and Gahn, 2003a, p. 125. (not same species as *C. rigidus*, GDW, 2010)

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Cyathocrinites robustus* Troost, 1850 = *Stemmatocrinus trautscholdi* = *Gaulocrinus robustus*

*Cyathocrinites rockfordensis* (Thomas, 1924). Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus rockfordensis* Thomas, A. O., 1924, p. 477, Pl. 44, figs. 11-16.  
 Bassler and Moodey, 1943, p. 395.  
 Devonian, Frasnian, Lime Creek Shale. United States, Iowa

*Cyathocrinites roemeri* Troost, 1850 = *Dinotocrinus roemeri*

*Cyathocrinites roemerii* Troost, 1850 = *Dinotocrinus roemeri*

*Cyathocrinites rotundatus* (Hall, 1858) = *Cyathocrinites iowensis*

*Cyathocrinites* (**RUGOSOCYATHOCRINITES**) Frest, 1977 =  
**RUGOSOCYATHOCRINITES**

*Cyathocrinites* (\**Rugosocyathocrinites*) *pauli* Frest, 1977 = \**Rugosocyathocrinites pauli*

*Cyathocrinites* (*Rugosocyathocrinites*) *sanduskyensis* Frest, 1977 =  
*Rugosocyathocrinites sanduskyensis*

*Cyathocrinites* (*Rugosocyathocrinites*) *striatissimus* Frest, 1977 = *Rugosocyathocrinites striatissimus*

*Cyathocrinites* (*Rugosocyathocrinites*) *striolatus* (Angelin, 1878) = *Rugosocyathocrinites*

*Cyathocrinites rugosus* Miller, 1821 = *Crotalocrinus rugosus* = *Crotalocrinites verrucosus*

*Cyathocrinites saffordi* (Meek and Worthen, 1860). Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus saffordi* Meek and Worthen, 1860, p. 371. Meek and Worthen, 1866a, p. 236, Pl. 17, figs. 5a-5b; Fig. 24. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236, Fig. 277. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 395.  
 Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Cyathocrinites sampsoni* (Miller, 1891). Bassler and Moodey, 1943, p. 395. Kammer and Gahn, 2003a, p. 127.  
*Cyathocrinus sampsoni* Miller, S. A., 1891b, p. 30, Pl. 4, figs. 9-10. Miller, S. A., 1892a, p. 676. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 395.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Cyathocrinites scitulus* (Meek and Worthen, 1860) = *Barycrinus scitulus*

- Cyathocrinites scrobiculatus* Hisinger, 1840 = *Pycnosaccus scrobiculatus*
- Cyathocrinites? scrobiculatus* Hisinger, 1840 = \**Pycnosaccus scrobiculatus*
- Cyathocrinites signatus* (Miller and Gurley, 1893) = *Cestocrinus signatus*
- Cyathocrinites snivelyi* (Rowley, 1902) = *Cyathocrinites farleyi*
- Cyathocrinites sphaericus* (Steininger, 1849). Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus sphaericus* Steininger, 1849, p. 21 (Schnur, Ms). Bassler and Moodey, 1943, p. 395.  
 Devonian, Eifelian. Germany
- Cyathocrinites stellatus* Troost, 1850 = *Cyathocrinus stellatus* = *Barycrinus stellatus*
- Cyathocrinites striolatus* (Angelin, 1878) = *Cyathocrinites (Rugosocyathocrinites) striolatus* = *Rugosocyathocrinites striolatus*
- Cyathocrinites stubblefieldi* Wright, J., 1952a, p. 128, Pl. 36, fig. 15; 38, figs. 30-33.  
 Webster, 1973, p. 96. Donovan, 1992c, p. 37, Fig. 3, nos. B-E.  
 Mississippian, Viséan. United Kingdom, Scotland  
 Mississippian, Viséan (Chadian). United Kingdom, Scotland, Clitheroe area
- Cyathocrinites subtuberculatus* (Roemer, 1866). Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus subtuberculatus* Roemer, F. A., 1866a, p. 277. Roemer, F. A., 1866b, p. 227. Bassler and Moodey, 1943, p. 395.  
 Devonian, Givetian, *Stringocephalus* Limestone. Germany
- Cyathocrinites tennesseae* Troost in Wood, 1909 = *Levicyathocrinites tennesseae*
- Cyathocrinites tenuidactylus* Meek and Worthen, 1868 = *Cyathocrinites rigidus*
- Cyathocrinites tenuidactylus* Meek and Worthen, 1868b, p. 337. Meek and Worthen, 1873, p. 403, Pl. 2, fig. 15. Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus tenuidactylus* (Meek and Worthen, 1868). Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 203.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Cyathocrinites teres* (Münster, 1840). Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus teres?* Münster, 1840, p. 113, Pl. 9, fig. 9. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 104. Bassler and Moodey, 1943, p. 395.  
 Devonian, Famennian, *Clymenia* Limestone. Saxony
- Cyathocrinites tiaraeformis* Troost, 1850 = *Metichthyocrinus tiaraeformis*

- Cyathocrinites tricarinatus* Roemer, F. A., 1843, p. 8, Pl. 12, fig. 2. Bassler and Moodey, 1943, p. 395.  
*Cyathocrinus tricarinatus?* (Roemer, 1843). Bronn, 1848, p. 366. d'Orbigny, 1850, p. 104.  
 Devonian, Frasnian, Iberg Limestone. Germany
- Cyathocrinites tuberculatus* Miller, 1821 (part) = *Temnocrinus tuberculatus*
- Cyathocrinites tuberculatus* Miller, 1821 (part) = *Ichthyocrinus pyriformis*
- Cyathocrinites tuberculatus* (Miller, 1821) = *Platycrinites tuberculatus*
- Cyathocrinites tuberculatus* (Roemer, 1850) (*non* Miller, 1821). Bassler and Moodey, 1943, p. 395. Lane, N. G., 1967a, p. 237. Webster, 1973, p. 96.  
*Cyathocrinus tuberculatus* Roemer, F. A., 1850b, p. 23, Pl. 4, fig. 5. Roemer in Bronn and Roemer, 1851, p. 236, Pl. 4, figs. 16a-16b. Bassler and Moodey, 1943, p. 395.  
 Devonian, Givetian, *Stringocephalus* Limestone. Germany
- Cyathocrinites tumidus* (Hall, 1858) = *Barycrinus tumidus* = *B. spurius*
- Cyathocrinites turbinatus* (Weller, 1900). Bassler and Moodey, 1943, p. 395. Frest, 1977, p. 130. Webster, 1986, p. 115.  
*Cyathocrinus turbinatus* Weller, S., 1900, p. 65, Pl. 14, fig. 15. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 395.  
 Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Cyathocrinites vallatus* (Bather, 1892) = *Cyathocrinites* (*Levicycathocrinites*) *vallatus* = *Levicycathocrinites vallatus*
- Cyathocrinites vanhornei* (Miller, 1881) = *Crotalocrinites vanhornei*
- Cyathocrinites variabilis* (Phillips, 1841). Bassler and Moodey, 1943, p. 396. Ausich and Kammer, 2006, p. 104 (considered indeterminate).  
*Cyathocrinus? variabilis* Phillips, 1841, p. 32, Pl. 16, fig. 48. Bassler and Moodey, 1943, p. 396.  
*Cyathocrinus variabilis?* Phillips, 1841. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 104.  
 Mississippian, Serpukhovian, Pilton Beds. United Kingdom; Ireland
- Cyathocrinites viminalis* (Hall, 1861) = *Cyathocrinites iowensis*
- Cyathocrinites virgalensis* (Waagen, 1887). Bassler and Moodey, 1943, p. 396.  
*Cyathocrinus virgalensis* Waagen, 1887, p. 825, Pl. 96, figs. 13-15. Bassler and Moodey, 1943, p. 396.  
 Permian, Wordian, Wargal Formation, Kalabagh Member. Pakistan, Salt Range

*Cyathocrinites wilsoni* (Springer, 1926) = *Cyathocrinites* (\**Conicocyathocrinites*) *wilsoni*  
= \**Conicocyathocrinites wilsoni*

*Cyathocrinites* advanced Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709. Webster, 1986, p. 115.

*Paradelocrinus* sp. 1 Breimer, 1962a, p. 172. Webster, 1973, p. 192. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709. Mississippian, late Viséan, Griotte Limestone. Spain

*Cyathocrinites* n. sp. undesignated Webster and Ariunchimeg, 2004, p. 486, Figs. 6, 7, nos. 2-9.

Devonian, Emsian, Chuluun Formation. Mongolia, Shine Jinst

*Cyathocrinites* sp. A Feldman, 1989b, p. 908, Fig. 4, no. 5. Webster, 1993, p. 46.

Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member. United States, Kentucky

*Cyathocrinites* sp. 1 Webster and Lane, 1987, p. 45, Fig. 10, nos. 10-13. Webster, 1993, p. 46.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Cyathocrinites* sp. 2 Webster and Lane, 1987, p. 45, Fig. 10, nos. 1-4. Webster, 1993,

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Cyathocrinites* sp. 3 Webster and Lane, 1987, p. 45. Webster, 1993, p. 46.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Cyathocrinites* sp. 4 Webster and Lane, 1987, p. 45, Fig. 10, nos. 5-6. Webster, 1993, p. 46.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Cyathocrinites* sp. Breimer, 1962 = *Costalocrinus consolidatus* = *Costalocrinus ibericus*

*Cyathocrinites* sp. Kammer, 1984 = *Cyathocrinites kelloggi*

*Cyathocrinites* sp. Sprinkle, 1987 = *Cyathocrinites multibrachiatus*

*Cyathocrinites* spp.

Christy, 1848, Pls. 1, fig. 7; 3, fig. 1. (cladid)

Silurian (Blue Limestone). United States, Iowa

Christy, 1848, Pl. 1, fig. 8. (cladid)

Mississippian. United States, Illinois

Christy, 1848, Pl. 1, fig. 9. (flexible?)

Silurian. United States, Tennessee

Quenstedt, 1885, p. 945, Pl. 75, fig. 12.

Devonian. Germany

Laudon, Parks, and Spreng, 1952, p. 547, Pl. 65, figs. 3-7. Webster, 1973, p. 96.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
Laudon, Parks, and Spreng, 1952, p. 547, Pl. 65, figs. 8. Webster, 1973, p. 96.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
Laudon and Severson, 1953, p. 513, Pl. 51, figs. 13-14. Webster, 1973, p. 96.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United  
States,

Montana

Campbell and Bein, 1971, p. 422, Pl. 49, figs. 1-8; Fig. 3. Webster, 1977, p. 62.

Mississippian Viséan (Cull), Goonoo Goonoo Mudstone. Australia, New South  
Wales

Lapham, Ausich, and Lane, 1976, p. 247, Fig. 1, nos. F-H. Webster, 1986, p. 115.

*Cyathocrinus* spp.

Dubinín, 1957, p. 883, Fig. 2. Webster, 1986, p. 115.

Undesignated crown. Bergstrom, Sturmer, and Winter, 1980, p. 32, Fig. 23, no.  
b. Webster, 1986, p. 115.

Devonian

Lane, N. G., 1984, p. 455, Fig. 1. Webster, 1988, p. 65.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States,  
Indiana

Lane, N. G., 1986, p. 155, Figs. 2, 4. Webster, 1993, p. 46.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Indiana  
Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, nos. m-n. Webster, 1993, p. 46.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States,  
Kentucky

Meyer and Ausich, 1992, p. 5, Fig. 5, nos. M-N.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States,  
Kentucky

Webster, 1997, p. 19, Pl. 5, fig. 7.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon  
Formation. United States, Utah

*Cyathocrinites* sp. (sic) Gahn, 1995, p. 118, Fig. 5, no. 1.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United  
States,

Idaho

Meyer and Ausich, 2009, p. 7, Fig. 5, nos. M-N.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

Cyathocrinitid Waisfeld, 1989, p. 277, Fig. 5, no. C (diagramatic). Webster, 1993, p.  
46.

Devonian, Talacasto Formation. Argentina

Cyathocrinitida indeterminate

*Carabocrinus? tuberculatus* Billings., E., 1859a, p. 52, Pl. 2, fig. 4. Shumard, 1868,  
p. 357. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 231. Weller, S., 1900, p. 28,  
Fig. 9. Bassler, 1915, p. 183. Bassler and Moodey, 1943, p. 356.

Early Silurian, English Head Formation. Canada, Anticosti Island

*Cyathocrinites* sp. (sic) Gahn, 1995 = *Cyathocrinites* sp.

*Cyathocrinitida* indeterminate in Billings, 1859, Ausich and Copper, 2010, p. 53, Pl. 14, fig. 7.

*Carabocrinus tuberculatus* Billings, 1859. Ausich and Copper, 2010, p. 53.

Ordovician, Katian, Easton Member, Vauréal Formation. Canada, Quebec, Anticosti Island

*Cyathocrinoidea* indéterminé Termier, G. and Termier, H., 1950, p. 220, Pl. 218, figs. 31-32. Webster, 1973, p. 273 (thecae).

Devonian. Morocco

**CYATHOCRINUS** various authors = **CYATHOCRINITES**

**Note:** There are nine named species initially assigned to *Cyathocrinus* that have not been transferred to *Cyathocrinites* or other genera ranging in age from Ordovician to Permian. I consider most, if not all, of these species not to be *Cyathocrinites*, and in need of future revision, GDW.

*Cyathocrinus acinotubus* Angelin, 1878 = *Cyathocrinites acinotubus* = *C.*

(\**Levicyathocrinites*) *acinotubus* = \**Levicyathocrinites acinotubus*

*Cyathocrinus aemulus* Hall, 1879 = *Homocrinus?* *aemulus*

*Cyathocrinus (Poteriocrinus) aemulus* Hall, 1879 = ?*Homocrinus aemulus*

*Cyathocrinus alutaceus* Angelin, 1878 (part) = *Cyathocrinites acinotubus* = *C.*

(\**Levicyathocrinites*) *acinotubus* = *Levicyathocrinites acinotubus*

*Cyathocrinus alutaceus* Angelin, 1878 (part) = *Cyathocrinites ramosus* = *C.*

(\**Conicyathocrinites*) *ramosus* = *Conicyathocrinites ramosus*

*Cyathocrinus andersoni* Miller and Gurley, 1894 = *Cyathocrinites andersoni* = *C. farleyi*

*Cyathocrinus angulatus* (Billings, 1857) = *Palaeocrinus angulatus*

*Cyathocrinus angulatus* Meek and Worthen, 1860 = *Barycrinus angulatus* = *B. stellatus*

*Cyathocrinus arboreus* Meek and Worthen, 1865 = *Cyathocrinites multibrachiatus*

*Cyathocrinus arboreus* Salter, 1873 = *Mastigocrinus loreus*

*Cyathocrinus* (sp. 9) *arboreus* Salter, 1873 = *Mastigocrinus loreus*

*Cyathocrinus arthriticus* Phillips, 1839 = *Gissocrinus arthriticus*



- Cyathocrinus barrisi* (Hall, 1861) = *Cyathocrinites barrisi*
- Cyathocrinus barumensis* Whidborne, 1869 = *Poteriocrinus barumensis* = *Hydriocrinus barumensis* = *Scytalocrinus barumensis*
- Cyathocrinus barydactylus* Wachsmuth and Springer, 1879 = *Cyathocrinites barydactylus*
- Cyathocrinus benedicti* Miller, 1891 = *Cyathocrinites benedicti* = *Barycrinus benedicti*
- Cyathocrinus blairi* Miller and Gurley, 1895 (part) = *Mespilocrinus blairi*
- Cyathocrinus blairi* Miller and Gurley, 1895 (part) = *Mespilocrinus konincki*
- Cyathocrinus boonenvillensis* Miller, 1891 = *Cyathocrinites harrodi*
- Cyathocrinus boonvillensis* Miller, 1891 = *Cyathocrinites boonvillensis* = *C. harrodi*
- Cyathocrinus brevisacculus* Wachsmuth and Springer, 1890 = *Cyathocrinites brevisacculus* = *C. iowensis*
- Cyathocrinus brittsi* Miller and Gurley, 1895 = *Cyathocrinites brittsi* = *C. (Levicyathocrinites) brittsi* = *Levicyathocrinites tennesseeae*
- Cyathocrinus bulbosus* Hall, 1862 = *Arachnocrinus bulbosus*
- Cyathocrinus bullatus* Hall, 1858 = *Barycrinus bullatus* = *B. stellatus*
- Cyathocrinus bursa* Phillips, 1836 = *Cyathocrinites bursa*
- Cyathocrinus calcaratus* Phillips, 1839 = *Cyathocrinites calcaratus*
- Cyathocrinus capillaris* (Phillips, 1839) = *Gissocrinus capillaris*
- Cyathocrinus carnicus* Charlesworth, 1914, p. 331, Pl. 28, fig. 1.  
Early Devonian, Riffkalkes. Germany, Eastern Alps
- Cyathocrinus caryocrinoides* (M'Coy, 1844) = *Actinocrinites caryocrinoides*
- Cyathocrinus chouteauensis* Miller and Gurley, 1896 = *Cyathocrinites chouteauensis*
- Cyathocrinus clathratus* Agassiz, 1842. Bronn, 1848, p. 366.
- Cyathocrinus conglobatus* Troost, 1849 = *Cupulocrinus polydactylus*
- Cyathocrinus conicus* Phillips, 1836 = *Cyathocrinites conicus*

- Cyathocrinus cora* Hall, 1865 = *Crotalocrinites cora*
- Cyathocrinus cornutus* Owen and Shumard, 1850 = *Barycrinus cornutus* =  
*Costalocrinus cornutus*
- Cyathocrinus corolliferus* (Hisinger, 1840) = *Clonocrinus corolliferus*
- Cyathocrinus corolliferus* (Hisinger, 1840) = *Clonocrinus corolliferus*
- Cyathocrinus?* *corolliferus* (Hisinger, 1840) = *Corymbocrinus corolliferus* = *Clonocrinus corolliferus*
- Cyathocrinus corrugatus* (Troost, 1850) = *Barycrinus hoveyi* = *B. rhombiferus*
- Cyathocrinus crassibrachiatus* Hall, 1859 = *Barycrinus crassibrachiatus*
- Cyathocrinus crassus* (Meek and Worthen, 1860) = *Ethelocrinus crassus*
- Cyathocrinus?* *crassus* Meek and Worthen, 1860 = *Eupachyrcrinus crassus* =  
*Ethelocrinus crassus*
- Cyathocrinus crateriformis* Troost, 1849 = *Eupachyrcrinus boydii*
- Cyathocrinus crawfordsvillensis* Miller, 1882 = *Parisocrinus crawfordsvillensis*
- Cyathocrinus decadactylus* Salter, 1873 = *Dictenocrinus decadactylus*
- Cyathocrinus* (sp. 2) *decadactylus* Salter, 1873 = *Dictenocrinus decadactylus*
- Cyathocrinus decaphyllus?* Roemer, 1843 = *Cyathocrinites decaphyllus*
- Cyathocrinus decatur* Springer, 1926 = *Cyathocrinites decatur* = *C.*  
(*Conicocyathocrinites*) *decaturn* = *Conicocyathocrinites decatur*
- ?*Cyathocrinus dekadactylus* Lyon and Casseday, 1860 = *Histocrinus coreyi*
- Cyathocrinus dekadactylus* Lyon and Casseday, 1865 = *Poteriocrinus dekadactylus* =  
*Poteriocrinites decadactylus* = *Histocrinus coreyi*
- Cyathocrinus depressus* (Troost, 1850) = *Tholocrinus depressus*
- Cyathocrinus diana*e Bather, 1893 = *Cyathocrinites diana*e = *C.* (*Leviccyathocrinites*)  
*diana*e = *Leviccyathocrinites diana*e
- Cyathocrinus distensus* Angelin, 1878 = *Cyathocrinites distensus* = *C.*  
(*Leviccyathocrinites*) *distensus* = *Leviccyathocrinites distensus*

- Cyathocrinus distortus* Gilbertson in Phillips, 1876 = *Cyathocrinites distortus*
- Cyathocrinus divaricatus* Hall, 1858 = *Cyathocrinites divaricatus* = *C. iowensis*
- Cyathocrinus dubius* Münster, 1840 = *Cyathocrinites dubius*
- Cyathocrinus dudleyensis* (Austin and Austin, 1842) = *Poteriocrinites? dudleyensis*
- Cyathocrinus egertoni* (Phillips, 1836 = *Onychocrinus polydactylus*
- Cyathocrinus elongatus* Knod, 1908 = *Cyathocrinites elongatus*
- Cyathocrinus enormis* (Meek and Worthen, 1861) = *Cyathocrinites enormis* =  
*Zygotocrinus enormis*
- Cyathocrinus exilis* Eichwald, 1856, p. 117. Eichwald, 1860, p. 594, Pl. 31, figs. 27a-  
27c, 33a- 33d. Bigsby, 1868, p. 19. Bassler and Moodey, 1943, p. 398. (A  
flexible crinoid crown, GDW)  
Ordovician?, *Orthoceras* Limestone. Russia
- Cyathocrinus faberi* Miller and Gurley, 1896 = *Cyathocrinites faberi*
- Cyathocrinus farleyi* Meek and Worthen, 1866 = *Cyathocrinites farleyi*
- Cyathocrinus fasciatus* Hall, 1877 = *Macrostylocrinus fasciatus*
- Cyathocrinus? fischeri* Spandel, 1899 = *Cyathocrinites fischeri*
- Cyathocrinus florealis* Yandell and Shumard, 1847 = *Zeacrinus florealis* = *Dasciocrinus*  
*floralis*
- Cyathocrinus floralis* Yandell and Shumard, 1847 = *Dasciocrinus floralis*
- Cyathocrinus formosus* Rowley, 1905 = *Cyathocrinites formosus*
- Cyathocrinus foveolatus* Eichwald, 1856 = *Cyathocrinites foveolatus*
- Cyathocrinus fragilis* (Meek and Worthen, 1868) = *Cyathocrinites fragilis*
- Cyathocrinus geometricus* Goldfuss, 1831 = *Cyathocrinites geometricus* =  
*Sphaerocrinus geometricus*
- Cyathocrinus gilesi* Wachsmuth and Springer, 1878 = *Cyathocrinites gilesi*
- Cyathocrinus gilesii* Wachsmuth and Springer, 1878 = *Cyathocrinites gilesi*

*Cyathocrinus glaber* Angelin, 1878 = *Cyathocrinites glaber* = *C. (Levicyathocrinites) glaber* = *Levicyathocrinites glaber*

*Cyathocrinus globosus* (Troost in Wood, 1909) = *Cyathocrinites globosus*

*Cyathocrinus glomeratus* (Couch, 1855). Bassler and Moodey, 1943, p. 398.  
*Encrinites glomeratus* Couch, 1855, p. 257. Bassler and Moodey, 1943, p. 398.  
 ∅*Cyathocrinus glomeratus?* Collins, 1896, p. 81. Bassler and Moodey, 1943, p. 397.  
 Paleozoic?. United Kingdom

∅*Cyathocrinus glomeratus?* Collins, 1896 = *Cyathocrinus glomeratus*

*Cyathocrinus goldbecki* Jaekel, 1895 = *Follicrinus grebei*

*Cyathocrinus goliathus* Waagen, 1887, p. 823, Pl. 96, figs. 6-12. Branson, C. C., 1948, p. 220. Webster, 1981, p. 1196.  
*Cyathocrinites goliathus* (Waagen, 1887). Bassler and Moodey, 1943, p. 718.  
*Ulocrinus? goliathus* (Waagen, 1887). Moore and Plummer, 1940, p. 337. Bassler and Moodey, 1943, p. 718. Branson, C. C., 1948, p. 220.  
 Permian, Lopingian, Wargal Formation, Kalabagh Member. Pakistan, Salt Range

*Cyathocrinus goniadactylus* (Phillips, 1839) = *Gissocrinus goniadactylus*

*Cyathocrinus gorbyi* Miller, 1892 = *Cyathocrinites gorbyi* = *C. harrodi*

*Cyathocrinus? gosae* Roemer, 1866 = *Cyathocrinites gosae*

*Cyathocrinus gracilior* Roemer, 1863 = *Imitocrinus gracilior*

*Cyathocrinus granulatus* Münster, 1839 = *Cyathocrinites granulatus*

*Cyathocrinus granulatus* Angelin, 1878 (*non* Troost, 1849) = *Gissocrinus incurvatus*

*Cyathocrinus granuliferus* Shumard, 1854, p. 186. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 398 (not recognizable).  
 Mississippian. United States, Arkansas, Kentucky

*Cyathocrinus granulatus* Rowley, 1902 = *Cyathocrinites granulatus* = *C. farleyi*

*Cyathocrinus grebei* Jaekel, 1895 = *Follicrinus grebei*

*Cyathocrinus gurleyi* Miller, 1891 = *Cyathocrinites gurleyi* = *C. iowensis*

*Cyathocrinus hamiltonensis* Worthen, 1882 = *Cyathocrinites parvibrachiatus* = *C. iowensis*

- Cyathocrinus harrisi* Miller, 1880 = *Goniocrinus harrisi*
- Cyathocrinus harrodi* Wachsmuth and Springer, 1880 = *Cyathocrinites harrodi*
- Cyathocrinus hexadactylus* Lyon and Casseday, 1860 = *Pellecrinus hexadactylus*
- Cyathocrinus hoveyi* Hall, 1861 = *Barycrinus hoveyi* = *Barycrinus rhombiferus*
- Cyathocrinus ichthyocrinoides* Salter, 1873, p. 125. Bassler and Moodey, 1943, p. 398.  
Silurian, Wenlockian, Wenlock Limestone; United Kingdom
- Cyathocrinus ignotus* Trenkner, 1868 = *Cyathocrinites ignotus*
- Cyathocrinus incipiens* Hall, 1861 = *Goniocrinus incipiens*
- Cyathocrinus incurvatus* Angelin, 1878 = *Gissocrinus incurvatus*
- Cyathocrinus indicus* Waagen, 1887 = *Cyathocrinites indicus* = Unnamed n. gen. 2
- Cyathocrinus inequidactylus* M'Coy, 1844 = *Amblacrinus inequidactylus* = *Borucrinus eirensis*
- Cyathocrinus inequidactylus* Whitfield, 1882 = *Anartiocrinus maxvillensis*
- Cyathocrinus inflatus* Troost; Miller, 1889 = *Linocrinus cariniferous*
- Cyathocrinus inflexus* Geinitz, 1867 (part) = *Erisocrinus inflexus* = *Delocrinus inflexus* = *Paradelocrinus inflexus* = *Graffhamicrinus inflexus* = *Subarrectocrinus inflexus*
- Cyathocrinus insperatus* Lyon, 1869 = *Cyathocrinites insperatus* = *Saccosomopsis insperatus*
- Cyathocrinus interbrachiatus* Angelin, 1878 = *Meristocrinus interbrachiatus*
- Cyathocrinus intermedius* Hall, 1858 = *Parisocrinus intermedius* = *Pellacrinus intermedius*
- Cyathocrinus iovenssis* Owen and Shumard, 1850 = *Cyathocrinites iovenssis*
- Cyathocrinus iowaensis* Owen and Shumard, 1850 = *Cyathocrinites iowaensis*
- Cyathocrinus iowensis* Owen and Shumard, 1850 = *Cyathocrinites iowensis*
- Cyathocrinus irregularis* Trenkner, 1868 = *Cyathocrinites irregularis*

*Cyathocrinus kattaensis* Waagen, 1887 = *Cyathocrinites kattaensis* = Unnamed n. gen.  
2

*Cyathocrinus kelloggi* White, 1862 = *Barycrinus kelloggi* = *Cyathocrinites kelloggi*

*Cyathocrinus konincki* Clarke in de Koninck, 1876-1877 = *Phialocrinus konincki* =  
*Aesiocrinus konincki* = *Meganotocrinus konincki*

*Cyathocrinus labyrinthicus* Miller, 1891 = *Poteriocrinus labyrinthicus* = *Poteriocrinites*  
*labyrinthicus* = *Parisocrinus labyrinthicus*

*Cyathocrinus laevis* Angelin, 1878 (part) = *Cyathocrinites ramosus* = *Cyathocrinites*  
(*Conicocyathocrinites*) *ramosus* = *Conicocyathocrinites ramosus*

*Cyathocrinus laevis* Angelin, 1878 (part) = *Cyathocrinites monilifer* = *Cyathocrinites*  
(*Levicyathocrinites*) *ramosus* = *Levicyathocrinites ramosus*

*Cyathocrinus laevis* Angelin, 1878 (part) = *Cyathocrinites separatus*  
*Cyathocrinus laevis* (Roemer); Hauser, 2002 = *Cytocrinus laevis*

*Cyathocrinus lamellosus* White, 1863 = *Cyathocrinites lamellosus*

*Cyathocrinus latus* Hall, 1861 = *Barycrinus latus*

*Cyathocrinus leviculus* Lyon, 1861 = *Poteriocrinus leviculus* = *Poteriocrinites leviculus*

*Cyathocrinus loganensis* Müller, 1858 = *Cyathocrinites loganensis* = *Sigambrocrinus*  
*laevis*

*Cyathocrinus longimanus* Angelin, 1878 (part) = *Cyathocrinites longimanus* = *C.*  
(*Conicocycathocrinites*) *longimanus* = *Conicocycathocrinites longimanus*

*Cyathocrinus longimanus* Angelin, 1878 (part) = *Cyathocrinites* (*Conicocyathocrinites*)  
*ramosus* = *Conicocyathocrinites ramosus*

*Cyathocrinus lyoni* Hall, 1861 = *Pellecrinus hexadactylus*

*Cyathocrinus macadamsi* Miller and Gurley, 1895 = *Cyathocrinites macadamsi*

*Cyathocrinus macrocheirus* M'Coy, 1844 = *Poteriocrinus* (*Scaphiocrinus*) *macrocheirus*  
= *Pachylocrinus macrocheirus*

*Cyathocrinus macrodactylus* Phillips, 1841 = *Taxocrinus macrodactylus*

*Cyathocrinus?* *macrodactylus* Phillips, 1841 = *Taxocrinus macrodactylus*

*Cyathocrinus macropleurus* Hall, 1861 = *Vasocrinus macropleurus* = *Poteriocrinus macropleurus* = *Poteriocrinites macropleurus* = *Springercrinus macropleurus*

*Cyathocrinus magister* Hall, 1858 = *Barycrinus magister*

*Cyathocrinus magnoliaeformis* (Troost, 1850) = \**Zeacrinites magnoliaeformis*

*Cyathocrinus magnoliaformis* Owen and Norwood, 1846 = *Zeacrinites magnoliaeformis*

*Cyathocrinus malvaceus* Hall, 1858 = *Cyathocrinites malvaceus* = *Cyathocrinites iowensis*

*Cyathocrinus mamillaris* Phillips, 1836 = *Cyathocrinites mamillaris*

*Cyathocrinus mamillaris* Phillips, 1836 = *Cyathocrinites mamillaris*

*Cyathocrinus maniformis* Yandell and Shumard, 1847 = *Zeacrinus maniformis* = *Phanocrinus maniformis*

*Cyathocrinus?* *marshallensis* Worthen, 1882 = *Cyathocrinites marshallensis*

*Cyathocrinus marshallensis* Worthen, 1883 = *Cyathocrinites marshallensis*

*Cyathocrinus maxvillensis* Whitfield, 1891 = *Anartiocrinus maxvillensis*

*Cyathocrinus meekanus* (Shumard, 1855) = *Barycrinus meekanus* = *Poteriocrinites meekanus*

*Cyathocrinus milleri* (M'Coy, 1844) = *Cyathocrinites milleri*

*Cyathocrinus mimus* Salter, 1892 = *Cyathocrinites acinotubus* = *Cyathocrinites (Levicyathocrinites) acinotubus* = *Levicyathocrinites acinotubus*

*Cyathocrinus monile* Salter, 1873 = *Cyathocrinites monile* = *Cyathocrinites acinotubus* = *Levicyathocrinites acinotubus*

*Cyathocrinus* sp. 6 *monile* Salter, 1873 = *Cyathocrinites acinotubus* = *Levicyathocrinites acinotubus*

*Cyathocrinus monilifer* Angelin, 1878 = *Cyathocrinites monilifer* = *Cyathocrinites (Levicyathocrinites) monilifer* = *Levicyathocrinites monilifer*

*Cyathocrinus?* *monodactylus* (Phillips, 1841) = *Taxocrinus macrodactylus*

*Cyathocrinus multibrachiatus* Lyon and Casseday, 1859 = *Cyathocrinites multibrachiatus*

- Cyathocrinus multibrachiatus* var. *squamosus* Hall, 1872 = *Cyathocrinites multibrachiatus squarrosa*
- Cyathocrinus multibrachiatus* var. *squarrosa* Hall, 1872 = *Cyathocrinites multibrachiatus squarrosa*
- Cyathocrinus municipalis* Wood, 1909 = *Rhopocrinus municipalis*
- Cyathocrinus muticus* Angelin, 1878 = *Cyathocrinites muticus* = *C. (Levicyathocrinites) muticus* = *Levicyathocrinites muticus*
- Cyathocrinus nanus* Grubb, 1939 = *Cyathocrinites nanus*
- Cyathocrinus nobilis* (Phillips, 1836) = *Taxocrinus nobilis*
- Cyathocrinus nodosus* Wachsmuth and Springer, 1890 = *Cyathocrinites nodosus* = *C. iowensis*
- Cyathocrinus nodulosus* Salter, 1873 = *Meristocrinus? nodulosus*
- Cyathocrinus nodulosus* Salter, 1892 = *Cyathocrinites acinotubus* = *C. (Levicyathocrinites) acinotubus* = *Levicyathocrinites acinotubus*
- Cyathocrinus nucleus* Hall, 1879 = *Botryocrinus nucleus*
- Cyathocrinus opimus* Miller and Gurley, 1890 = *Cyathocrinites opimus* = *C. iowensis*
- Cyathocrinus ornatissimus* Hall, 1843 (part) = *Hallocrinus ornatissimus*
- Cyathocrinus ornatissimus* Hall, 1843 (part) = *Scytalocrinus ornatissimus* = *Maragnicrinus portlandicus*
- Cyathocrinus? ornatissimus* (Hall, 1843) = *Hallocrinus ornatissimus*
- Cyathocrinus ornatus* Phillips, 1836 = *Cyathocrinites ornatus*
- Cyathocrinus? ovalis* Rowley, 1904 = *Cyathocrinites ovalis* = *Lasiocrinus ovalis* = *Thalamocrinus ovalis*
- Cyathocrinus parvibrachiatus* Hall, 1861 = *Cyathocrinites parvibrachiatus* = *C. iowensis*
- Cyathocrinus parvibrachiatus* Hall, 1861 = *Cyathocrinites parvibrachiatus* = *Cyathocrinites kelloggi*
- Cyathocrinus patulosus* Wright, 1935 = *Cyathocrinites patulosus*
- Cyathocrinus penniger* Eichwald, 1842 = *Chirocrinus penniger* (Cystoid)



- Cyathocrinus pentalobus* Hall, 1858 = *Eupachyocrinus pentalobus*
- Cyathocrinus?* *pentalobus* Hall, 1855 = *Eupachyocrinus pentalobus*
- Cyathocrinus pisiformis* (Roemer, 1860) = *Nummicrinus pisiformis*
- Cyathocrinus planus* (Miller, 1821) = *Cyathocrinites planus*
- Cyathocrinus polydactylus* Roemer, C. F. in Bronn and Roemer, 1851, p. 237.  
Devonian, Eifelian, Eifel Kalk. Germany
- Cyathocrinus polyxo* Hall, 1863 = *Botryocrinus polyxo*
- Cyathocrinus poterium* (Meek and Worthen, 1870) = *Saccosomopsis insperatus*
- Cyathocrinus?* *poterium* Meek and Worthen, 1870 = *Cyathocrinites poterium* =  
*Saccosomopsis insperatus*
- Cyathocrinus protuberans* Hall, 1858 = *Baryocrinus bullatus* = *B. protuberans* = *B. spurius*
- Cyathocrinus pulchellus* (Billings, 1859) = *Palaeocrinus pulchellus*
- Cyathocrinus pulcher* Hisinger, 1840 = *Crotalocrinus pulcher* = *Crotalocrinites pulcher*
- Cyathocrinus punctatus* (Hisinger, 1828) = *Pleuroptyx punctatus*
- Cyathocrinus pusillus* Hall, 1863 = *Lecanocrinus pusillus* = *L. (Lecanocrinus) pusillus*
- Cyathocrinus pyriformis* Hall, 1843 = *Ichthyocrinus laevis*
- Cyathocrinus pyriformis* (Phillips in Murchison, 1839) = *Ichthyocrinus pyriformis*
- Cyathocrinus pyriformis* Lesley, 1889, p. 167, Fig. 41.3.  
Niagara Formation. N. Y. (An eucalyptocrinid, GDW)
- Cyathocrinus (Graphiocrinus) quatuor-decem-brachialis* (Lyon, 1857) = *Eupachyocrinus quatuordecembrachialis*
- Cyathocrinus quindecimalis* Salter, 1873 = *Dictenocrinus decadactylus*
- Cyathocrinus* (sp. 3) *quindecimalis* Salter, 1873 = *Dictenocrinus decadactylus*
- Cyathocrinus quinquangularis* Phillips, 1873 = *Botryocrinus quinquelobus*
- Cyathocrinus quinquangularis* Miller, 1821 = *Parisocrinus quinquangularis*

- Cyathocrinus quinquelobus* Meek and Worthen, 1865 = *Barycrinus stellatus*
- Cyathocrinus radiatus* (Eichwald, 1856) = *Cyathocrinites radiatus*
- Cyathocrinus ramosus* Angelin, 1878 (part) = *Cyathocrinites ramosus* = *C. (Conicocyathocrinites) ramosus* = *Conicocyathocrinites ramosus*
- Cyathocrinus ramosus* Angelin, 1878 (part) = *Cyathocrinites (Conicocyathocrinites) longimanus* = *Conicocyathocrinites longimanus*
- Cyathocrinus ramosus* Schlotheim, 1820 = *Cyathocrinites? ramosus*
- Cyathocrinus ramosus?* Angelin, 1878. Swallow and Hawn, 1857, p. 180.  
Middle Permian. United States, Kansas
- Cyathocrinus ramosus* Malzahn, 1968, p. 83, Pl. 9, fig. 11. Webster, 1986, p. 116 (not a *Cyathocrinites*, GDW).  
Permian, Zechstein. Germany
- Cyathocrinus* cf. *ramosus* Schlotheim, 1820. Netschajew, 1894, p. 116, Pl. 1, fig. 45  
(basal or Infrabasal circlet).  
Late Permian. Russia
- Cyathocrinus rarus* Lyon, 1869 = *Cyathocrinites rarus*
- Cyathocrinus rhenanus* Roemer, 1851 = *Taxocrinus rhenanus* = *Eutaxocrinus rhenanus*
- Cyathocrinus rhombiferus* (Billings, 1859) = *Palaeocrinus rhombiferus*
- Cyathocrinus rigidus* White, 1862 = *Cyathocrinites rigidus*
- Cyathocrinus robustus* Troost, 1849 = *Gaulocrinus robustus*
- Cyathocrinus rockfordensis* Thomas, 1924 = *Cyathocrinites rockfordensis*
- Cyathocrinus rotundatus* Hall, 1858 = *Cyathocrinites rotundatus* = *C. iowensis*
- Cyathocrinus rugosus* (Miller, 1821) = \**Crotalocrinites rugosus*
- Cyathocrinus rugosus annulata* Quenstedt, 1876 = *Crotalocrinites rugosus*
- Cyathocrinus rugosus punctata* Quenstedt, 1876 = *Crotalocrinites rugosus*
- Cyathocrinus saffordi* Meek and Worthen, 1860 = *Cyathocrinites saffordi*
- Cyathocrinus sampsoni* Miller, 1891 = *Cyathocrinites sampsoni*

- Cyathocrinus sangamonensis* Meek and Worthen, 1860 = *Ulocrinus sangamonensis*
- Cyathocrinus?* *sangamonensis* Meek and Worthen, 1860 = *Cromyocrinus sangamonensis* = *Ulocrinus sangamonensis*
- Cyathocrinus scitulus* Meek and Worthen, 1860 = *Cyathocrinites scitulus* = *Barycrinus scitulus*
- Cyathocrinus scoparius* Salter, 1873 = *Gissocrinus scoparius*
- Cyathocrinus sculptilis* Hall, 1859 = *Barycrinus sculptilis* = *B. rhombiferus*
- Cyathocrinus sculptus* (Lyon, 1857) = *Vasocrinus sculptus*
- Cyathocrinus signatus* Miller and Gurley, 1894 = *Cyathocrinites signatus* = *Cestocrinus signatus*
- Cyathocrinus simplex* Hisinger, 1837-1841 = *Carpocrinus simplex*
- Cyathocrinus snivelyi* Rowley, 1902 = *Cyathocrinites snivelyi* = *C. farleyi*
- Cyathocrinus solidus* Hall, 1861 = *Barycrinus solidus* = *Barycrinus magister*
- Cyathocrinus somersi* Whitfield, 1891 = *Delocrinus somersi* = *Graffhamicrinus somersi*
- Cyathocrinus* (*Barycrinus*) *spectabilis* Meek and Worthen, 1873 = *Barycrinus spectabilis*
- Cyathocrinus sphaericus* Steininger, 1849 = *Cyathocrinus sphaericus*
- Cyathocrinus spurius* Hall, 1858 = *Barycrinus spurius*
- Cyathocrinus squamiferus* Salter, 1873 = *Gissocrinus squamiferus*
- Cyathocrinus stellatus* Hall, 1858 = *Barycrinus stellatus*
- Cyathocrinus stillativus* White, 1879 = *Phialocrinus stillativus* = *Whiteocrinus stillativus* = *Apolloocrinus stillativus* = *Stellarocrinus stillativus*
- Cyathocrinus striatus* (Billings, 1859) = *Palaeocrinus striatus*
- Cyathocrinus striolatus* Angelin, 1878 = *Cyathocrinites striolatus* = *C. (Rugosocyathocrinites) striolatus*
- Cyathocrinus subtuberculatus* Roemer, 1866 = *Cyathocrinites subtuberculatus*

*Cyathocrinus subtumidus* Meek and Worthen, 1865 = *Barycrinus subtumidus* = *C. kelloggi*

*Cyathocrinus tennesseae* Troost, 1849 = *Cyathocrinites (Levicyathocrinites) brittsi* = *Levicyathocrinites brittsi*

*Cyathocrinus tenuibrachiatus* Lyon, 1869 = *Cyathocrinites insperatus* = *Saccosomopsis insperatus*

*Cyathocrinus tenuidactylus* (Meek and Worthen, 1868) = *Cyathocrinites tenuidactylus*

*Cyathocrinus teres?* Munster, 1840 = *Cyathocrinites teres*

*Cyathocrinus tesseracontadactylus* (Hisinger, 1837) = *Carpocrinus simplex*

*Cyathocrinus thomae* Hall, 1859 = *Barycrinus thomae* = *B. rhombiferus*

*Cyathocrinus tiaraeformis* (Troost, 1850) = *Metichthyocrinus tiaraeformis*

*Cyathocrinus tricarinatus?* (Roemer, 1843) = *Cyathocrinites tricarinatus*

*Cyathocrinus tuberculatus* Miller, 1821 (part) = *Ichthyocrinus pyriformis*

*Cyathocrinus tuberculatus* Roemer, 1850 (non Miller, 1821) = *Cyathocrinites tuberculatus*

*Cyathocrinus tuberculatus* (Miller, 1821). Mantell, 1854, Fig. 91, no. 10. (a flexible, GDW)

Silurian: United Kingdom

*Cyathocrinus tuberculatus* Quenstedt, 1885, p. 944, Pl. 75, figs. 8-11. (Two species in these specimens, GDW)

Silurian. United Kingdom

*Cyathocrinus tumidulus* Miller and Gurley, 1894 = *Decadocrinus tumidulus*

*Cyathocrinus tumidus* Hall, 1858 = *Cyathocrinites tumidus* = *Barycrinus tumidus* = *Barycrinus spurius*

*Cyathocrinus turbinatus* Weller, 1900 = *Cyathocrinites turbinatus*

*Cyathocrinus valens* (Lyon, 1857) = *\*Vasocrinus valens*

*Cyathocrinus vallatus* Bather, 1892 = *Cyathocrinites vallatus* = *C. (Levicyathocrinites) vallatus* = *Levicyathocrinites vallatus*

*Cyathocrinus vanhornei* Miller, 1881 = *Crotalocrinites vanhornei*

- Cyathocrinus vanhornii* Miller, 1881 = *Crotalocrinites vanhornei*
- Cyathocrinus variabilis* Phillips, 1841 = *Cyathocrinites variabilis*
- Cyathocrinus? variabilis?* Phillips, 1841 = *Cyathocrinites variabilis*
- Cyathocrinus viminalis* Hall, 1861 = *Cyathocrinites viminalis* = *C. iowensis*
- Cyathocrinus virgalensis* Waagen, 1887 = *Cyathocrinites virgalensis*
- Cyathocrinus visbycensis* Bather, 1893 = *Cyathocrinites monilifer* = *C. (Levicyathocrinites) monilifer* = *Levicyathocrinites monilifer*
- Cyathocrinus visbycensis* var. *monilifer* Bather, 1892 = *Cyathocrinites monilifer* = *C. (Levicyathocrinites) monilifer* = *Levicyathocrinites monilifer*
- Cyathocrinus wachsmuthi* Meek and Worthen, 1868 = *Barycrinus wachsmuthi* = *B. rhombiferus*
- Cyathocrinus waldronensis* Miller and Dyer, 1878 = *Dimerocrinus waldronensis* = *Dimerocrinites waldronensis*
- Cyathocrinus waukoma* Hall, 1865 = *Lecanocrinus waukoma* = *Nummicrinus waukoma*
- Cyathocrinus wilsoni* Springer, 1926 = *Cyathocrinites wilsoni* = *C. (Conicocyathocrinites) wilsoni* = *Conicocyathocrinites wilsoni*
- Cyathocrinus wortheni* Lyon, 1862 = *Poteriocrinus wortheni* = *Poteriocrinites wortheni*
- Cyathocrinus zonatus* Angelin, 1878 = *Cyathocrinites ramosus* = *C. (Conicocyathocrinites) ramosus* = *Conicocyathocrinites ramosus*
- Cyathocrinus* sp.? Meek and Hayden, 1859, p. 24. Weller, S., 1898c, p. 204. Late Pennsylvanian. Kansas
- Cyathocrinus* sp. Huxley and Etheridge, 1878 = *Caleidocrinus* (\**Huxleyocrinus*) *turgidulus*
- Cyathocrinus* sp. Dubinin, 1957 = *Cyathocrinites* sp.
- Cyathocrinus* sp. 1 Salter, 1873, p. 123, Unnum. Fig. Silurian, upper part of Wenlock Group. United Kingdom
- Cyathocrinus* sp. 5 Salter, 1873, p. 124, unfig. Silurian, upper part of Wenlock Group. United Kingdom

- Cyathocrinus* sp. 11 Salter, 1873, p., 125, unfig.  
Silurian, upper part of Wenlock Group. United Kingdom
- Cyathocrinus* spp.  
Quenstedt, 1852, p. 617, Pl. 54, fig. 23 (set of arms).  
Gerolstein, Germany  
Salter, 1873, p. 124, unfig.  
Silurian, upper part of Wenlock Group. United Kingdom  
Salter, 1873, p. 124, unfig.  
Silurian, upper part of Wenlock Group. United Kingdom  
Toula, 1875, p. 574, Pl. 5, fig. 7.  
Carboniferous. Norway, Barents Island  
Siemiradzki, 1906a, p. 277, Pl. 21, fig. 30. Siemiradzki, 1906b, p. 181, Pl. 7, fig. 30.  
Age unknown. Russia, Podolia
- Cyathocrinus* spec. Richter and Unger, 1856, p. 131, Pl. 3, fig. 5.  
Devonian, Famennian. Germany
- Cyathocrinus* spec. Richter and Unger, 1856, p. 131, Pl. 3, fig. 6.  
Devonian, Famennian. Germany
- Cyathocrinus*, 2 new sp. Salter, 1873, p. 124, unfig.  
Silurian, upper part of Wenlock Group. United Kingdom
- Cyathocrinus?* sp. Hall, 1843a, Pl. 21, figs. 4-4a.  
Silurian, Niagaran. United States, New York
- Cyathocrinus?* sp. Hall, 1943 = *Lecanocrinus* (*Lecanocrinus*) *macropetalus*
- Cyathocrinus?* (sp. undetermined) Meek and Worthen, 1868 = *Barycrinus geometricus*
- CYBELECRINUS** Ausich and Copper, 2010. \**Cybelecrinus ladas* Ausich and Copper, 2010.  
Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Ausich and Copper, 2010, p. 20.  
Named, currently recognized species based on cups or crowns: 2 Silurian,  
Llandoveryian species  
Silurian, early Llandoveryian. Canada, Quebec
- \**Cybelecrinus ladas* Ausich and Copper, 2010, p. 20, Pl. 3, figs. 7-11; Fig. 6.1.  
Silurian, Llandoveryian, Jupiter Formation, Goéland and Ferrum Members. Canada,  
Quebec, Anticosti Island
- Cybelecrinus nebras* Ausich and Copper, 2010, p. 21, Pl. 4, figs. 5, 7.  
Silurian, Llandoveryian, Jupiter Formation, Cybèle Member. Canada, Quebec,  
Anticosti Island
- CYCLOCRINITES** Eichwald, 1840. Bassler, 1938, p. 79.

*CYCLOCRINUS* Bassler and Moodey, 1943, p. 400 (Formerly considered an echinoderm; now referred to the algae).

*CYCLOCRINUS* various authors = **CYCLOCRINITES**

**CYDONOCRINUS** Bather, 1913. \**C. parvulus* Bather, 1913.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Codiocrinoida, F. Codiocrinidae

Bather, 1913d, p. 391. Bather, 1914a, p. 252. Springer, 1920a, p. 454. Wanner, 1924, p. 140. Wanner, 1937, p. 131. Bassler, 1938, p. 80. Bassler and Moodey, 1943, p. 400. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 189. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 4. Arendt, 1970a, p. 101. Webster, 1973, p. 96. Webster, 1977, p. 62. Lane and Moore *in* Moore and Teichert, 1978, p. T596. Webster, 1986, p. 116. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 46.

Named, currently recognized species based on cups or crowns: 4 species, 1 subspecies. 1 Mississippian, Viséan; 1 Pennsylvanian, Morrowan or Atokan; 2 Permian, 1 Sakmarian - Artinskian, 1 series uncertain (+1 subspecies series uncertain)

Mississippian, Viséan: United Kingdom  
Pennsylvanian, Kayalian. Canadian Arctic  
Permian, late Sakmarian - early Artinskian. Australia  
Permian, late Artinskian. Russia, Priural Mountains  
Permian: West Timor

*Cydonocrinus insuetus* Arendt, 1970a, p. 102, Pl. 5, figs. 4-13. Webster, 1977, p. 62. Permian, late Artinskian, Sarga Horizon. Russia, Priurals

\**Cydonocrinus parvulus* Bather, 1913d, p. 391, Figs. 1-5. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 400. Wright, J., 1952a, p. 134. Arendt, 1970a, p. 101, Fig. 14. Webster, 1973, p. 96. Webster, 1977, p. 63. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Figs. 384, nos. 1, 4. Webster, 1986, p. 116. Mississippian, Viséan, upper part of *Dibunophyllum* Zone. United Kingdom

*Cydonocrinus quinquilobus* Strimple and Nassichuk, 1974, p. 1153, Pl. 1, figs. 1-2; Fig. 1, nos. c-f. Webster, 1986, p. 116. Pennsylvanian, late Morrowan or early Atokan, Hare Fiord Formation. Canada, Ellesmere Island

*Cydonocrinus turbinatus* Wanner, 1916, p. 109, Pl. 102 (7), fig. 11. Wanner, 1924, p. 148, Pl. 8, figs. 11-12, 27-3. Wanner, 1937, p. 131, Pl. 14, figs. 19-23; Figs. 36-37. Bassler and Moodey, 1943, p. 400. Branson, C. C., 1948, p. 189. Arendt, 1970a, p. 104, Pl. 5, fig. 14. Webster, 1977, p. 63.

*Cranocrinus turbinatus* Wanner, 1929, p. 47, Pls. 2, fig. 4; 3, fig. 10. Bassler and Moodey, 1943, p. 400. Branson, C. C., 1948, p. 189. Permian, series uncertain. West Timor, Basleo

*Cydonocrinus* cf. *C. turbinatus* Wanner, 1916 = *Cydonocrinus* sp. cf. *C. turbinatus*

*Cydonocrinus* sp. cf. *C. turbinatus* (Wanner, 1916). Teichert and Webster, 1993, p. 6, Pl. 65, figs. 20-23.

*Cydonocrinus* cf. *C. turbinatus* Wanner, 1916. Webster, 1987, p. 116, Fig. 12, nos. A-D. Webster, 1993, p. 47.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Cydonocrinus turbinatus minor* (Wanner, 1929). Bassler and Moodey, 1943, p. 401. Branson, C. C., 1948, p. 189.

*Cranocrinus turbinatus* var. *minor* Wanner, 1929, p. 48, Pl. 2, figs. 5-6. Bassler and Moodey, 1943, p. 401. Branson, C. C., 1948, p. 189.

Permian, series uncertain. West Timor, Basleo

*Cydonocrinus* sp. Arendt, 1970a, p. 106, Pl. 5, fig. 15. Webster, 1977, p. 63.

Permian, late Artinskian, Sarga Horizon. Russia, Priurals

**CYDROCRINUS** Kirk, 1940. *\*Poteriocrinus (Zeacrinus) concinnus* Meek and Worthen, 1870.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoida, F. Rhenocrinidae

Kirk, 1940c, p. 323. Bassler and Moodey, 1943, p. 401. Moore and Laudon, 1943b, p. 54. Moore and Laudon, 1944, p. 157. Webster, 1973, p. 96. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Ausich and Lane, 1982a, p. 139. Webster, 1988, p. 65. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 466. Webster, 1993, p. 47.

Named, currently recognized species based on cups or crowns: 3 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States, Indiana, Illinois, Iowa

\**Cydonocrinus concinnus* (Meek and Worthen, 1870). Kirk, 1940c, p. 325. Bassler and Moodey, 1943, p. 401. Van Sant *in* Van Sant and Lane, 1964, p. 83, Pl. 3, fig. 14; Fig. 31, no. 1. Webster, 1973, p. 96. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637, Fig. 416, no. 5. Ausich and Lane, 1982a, p. 139, Fig. 1. Webster, 1988, p. 65. Kammer and Ausich, 1992, p. 466, Figs. 3.18-3.19.

*Poteriocrinus (Zeacrinus?) concinnus* Meek and Worthen, 1870b, p. 26. Weller, S., 1898c, p. 640.

*Poteriocrinites (Zeacrinus?) concinnus* (Meek and Worthen, 1870). Meek and Worthen, 1873, p. 490, Pl. 14, fig. 3. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 401.

*Poteriocrinus concinnus* Meek and Worthen, 1870. Miller, S. A., 1889, p. 273.

*Poteriocrinus (Pachylocrinus) concinnus* Meek and Worthen, 1870. Wachsmuth and Springer, 1879, p. 339.

*Pachylocrinus concinnus* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 579.



*Woodocrinus concinnus* (Meek and Worthen, 1870). Weller, S., 1898c, p. 640.  
Kammer and Ausich, 1992, p. 466.

*Poteriocrinus coxanus* Worthen, 1862, p. 4. Worthen, 1883, p. 269, Pl. 27, fig. 1.  
Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943,  
p. 401. Kammer and Ausich, 1992, p. 466.

\**Cydrocrinus coxanus* (Worthen, 1882). Kirk, 1940c, p. 324. Bassler and Moodey,  
1943, p. 401. Moore and Laudon, 1944, p. 157, Pl. 58, fig. 18. Van Sant *in* Van  
Sant and Lane, 1964, p. 84. Webster, 1973, p. 96. Ausich and Lane, 1982a, p.  
139, Fig. 1. Webster, 1988, p. 65. Kammer and Ausich, 1992, p. 466.

*Pachylocrinus coxanus* (Worthen, 1862). Springer, 1926b, p. 71. Bassler and  
Moodey, 1943, p. 401. Kammer and Ausich, 1992, p. 466.

*Scaphiocrinus coxanus* (Worthen, 1882). Miller, S. A., 1889, p. 279. Weller, S.,  
1898c, p. 542. Kammer and Ausich, 1992, p. 466.

Mississippian, Viséan (Osagean), Keokuk Limestone; Edwardsville Formation.  
United States, Indiana, Illinois

*Cydrocrinus coxanus* (Worthen), 1882 = *Cydrocrinus concinnus*

*Cydrocrinus robbi* (Roy, 1929). Ausich and Lane, 1982a, p. 139, Fig. 1. Webster, 1988,  
p. 65.

*Poteriocrinus robbi* Roy, 1929, p. 205, Pl. 34, figs. 1-2. Bassler and Moodey, 1943,  
p. 644. Ausich and Lane, 1982a, p. 140. Webster, 1988, p. 65.

*Poteriocrinites robbi* (Roy, 1929). Bassler and Moodey, 1943, p. 644. Webster,  
1988, p. 65.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Cydrocrinus subramulosus* (Worthen, 1882). Kirk, 1940c, p. 324. Bassler and  
Moodey, 1943, p. 401. Moore and Laudon, 1944, p. 157, Pl. 58, fig. 2. Webster,  
1973, p. 97. Ausich and Lane, 1982a, p. 139, Fig. 1. Webster, 1988, p. 65.  
Kammer and Ausich, 1992, p. 468, Fig. 3.17.

*Poteriocrinus subramulosus* Worthen, 1882, p. 14. Worthen, 1883, p. 284, Pl. 27,  
fig.

6. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 549. Bassler and Moodey,  
1943, p. 401.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa

*Cydrocrinus* sp. Webster et al., 2001, p. 109, Pl. 3, fig. K.

Devonian, Early Famennian, Bahram Formation. Southeastern Iran

**CYLICOCRINUS** Miller, 1892. \**C. canaliculatus* Miller, 1892.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoida, F.  
Carpocrinidae

Miller, S. A., 1891c, p. 31 (adv. pub.). Miller, S. A., 1892a, p. 676. Miller, S. A.,  
1892c, p. 31. Miller, S. A., 1894, p. 285. Wachsmuth and Springer, 1897, p. 485.  
Bassler, 1915, p. 101. Springer, 1926a, p. 43. Bassler and Moodey, 1943, p.  
401.

Moore and Laudon, 1943b, p. 93. Moore and Laudon, 1944, p. 193. Ubaghs,  
1953, p. 740. Webster, 1973, p. 97. Ubaghs *in* Moore and Teichert, 1978, p.

T465. Webster, 1986, p. 116.  
 Named, currently recognized species based on cups or crowns: 3 Silurian, Niagaran species  
 Silurian, Niagaran. United States.

*CYLICOCRINUS* Bather *in* Lankester, 1900 = **CULICOCRINUS**

\**Cylicocrinus canaliculatus* Miller, S. A., 1891c, p. 31 (adv. pub.). Miller, S. A., 1892a, p. 676, Fig. 1220. Miller, S. A., 1892c, p. 31, Pl. 5, figs. 13-14. Miller, S. A., 1894, p. 285, Pl. 5, figs. 13-14. Springer, 1926a, p. 43. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 401. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 15. Moore and Laudon, 1944, p. 193, Pl. 75, fig. 16. Webster, 1973, p. 97. Ubaghs *in* Moore and Teichert, 1978, p. T465, Fig. 271, no. 3. Webster, 1986, p. 116.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Cylicocrinus? indianensis* Miller and Gurley, 1895a, p. 31, Pl. 4, figs. 20-22. Miller, S. A., 1897, p. 741, fig. 1331. Bassler and Moodey, 1943, p. 401.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Cylicocrinus spinosus* Springer, 1926a, p. 44, Pl. 7, figs. 30-30a. Bassler and Moodey, 1943, p. 401.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana

**CYLIOCRINUS** Jaekel, 1918. \**Melocrinus? rigidus* Angelin, 1878.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Merocrinoida, F. Metabolocrinidae  
 Jaekel, 1918 (*non* Miller, 1892), p. 60. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 401. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 97. Lane *in* Moore and Teichert, 1978, p. T629. Cowen, 1981, p. 339. Webster, 1986, p. 117. Webster, 1988, p. 65.  
 Named, currently recognized species based on cups or crowns: 2 Silurian, Wenlockian species  
 Silurian, Wenlockian. Sweden

*Cyliocrinus crotalurus* Jaekel, 1918 = *Cyliocrinus scolopendra*

\**Cyliocrinus rigidus* (Angelin, 1878). Bassler and Moodey, 1943, p. 401.  
*Melocrinus? rigidus* Angelin, 1878, p. 20, Pl. 21, fig. 3. Bassler, 1938, p. 81.  
 Bassler and Moodey, 1943, p. 401. Lane *in* Moore and Teichert, 1978, p. T629, Fig. 410, no. 2a. Webster, 1986, p. 117.  
*Melocrinites rigidus* (Angelin, 1878). Bassler and Moodey, 1943, p. 559.  
 Silurian, Wenlockian. Sweden, Isle of Gotland

*Cyliocrinus scolopendra* (Bather, 1893). Bassler and Moodey, 1943, p. 401. Ubaghs *in* Moore and Teichert, 1978, p. T159, Fig. 132, nos. 1-3. Lane *in* Moore and Teichert, 1978, p. T629, Fig. 410, nos. 2b-2c. Webster, 1986, p. 117.

*Herpetocrinus scolopendra* Bather, 1893a, p. 53, Pl. 2, figs. 78-82. Bassler and Moodey, 1943, p. 401.

*Streptocrinus crotalurus* Bather, 1893a (*non* Angelin), p. 123, Pls. 2, figs. 78-82; 6, figs. 194-198. Bassler and Moodey, 1943, p. 401.

*Cyliocrinus crotalurus* Jaekel, 1918, p. 60. Bassler and Moodey, 1943, p. 401. Silurian, Wenlockian. Sweden, Isle of Gotland

**CYMBIOCRINUS** Kirk, 1944. \**C. grandis* Kirk, 1944.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae

Kirk, 1944d, p. 233. Strimple and Watkins, 1969, p. 188. Burdick and Strimple, 1971a, p. 33. Strimple and Moore, 1971a, p. 27. Webster, 1973, p. 97. Webster, 1977, p. 63. Moore and Strimple *in* Moore and Teichert, 1978, p. T739. Burdick and Strimple, 1983a, p. 144. Webster, 1986, p. 117. Chestnut and Edden, 1988, p. 36, Figs. 10, 15. Webster, 1988, p. 66. Lane and Sevastopulo, 1990, p. 336. Webster and Jell, 1992, p. 351.

Named, currently recognized species based on cups or crowns: 4 species. 3 Mississippian, 2 Viséan – Serpukhovian, 1 Serpukhovian; 1 Pennsylvanian, Morrowan

Mississippian - Pennsylvanian, Meramecian - Morrowan. United States

*Cymbiocrinus anatonis* Washburn, 1968 = *Proallosocrinus secundus*

*Cymbiocrinus anatonus* Washburn, 1973 = *Aesiocrinus secundus* = *Proallosocrinus anatonus*

*Cymbiocrinus anomalos* (Wetherby, 1889) = *Aenigmocrinus anomalos*

*Cymbiocrinus cherrabunensis* Webster and Jell, 1992 = *Metacalceolispongia cherrabunensis*

*Cymbiocrinus contentus* Strimple and Watkins, 1969, p. 190, Pl. 40, figs. 11-12. Webster, 1977, p. 63. Moore and Strimple *in* Moore and Teichert, 1978, p. T739,

Fig. 488, nos. 1d-1e. Webster, 1986, p. 117.

Pennsylvanian, Morrowan? Marble Falls Formation. United States, Texas

*Cymbiocrinus cuneatus* Washburn, 1968 = *Aesiocrinus secundus* = *Proallosocrinus cuneatus*

*Cymbiocrinus dactylus* (Hall, 1859). Kirk, 1944d, p. 237. Webster, 1973, p. 97. Burdick and Strimple, 1983a, p. 147. Webster, 1988, p. 66.

*Graphiocrinus dactylus* Hall, 1859a, p. 80. Meek and Worthen, 1873, p. 559, Pl. 20, fig. 9. Miller, S. A., 1889, p. 251. Weller, S., 1898c, p. 558. Bassler and Moodey, 1943, p. 677. Kirk, 1944d, p. 237. Webster, 1973, p. 97.

*Scytalocrinus dactylus* (Hall, 1859). Weller, S., 1898c, p. 558. Bassler and Moodey, 1943, p. 677.

*Poteriocrinus* (*Scytalocrinus*) *dactylus* (Hall, 1859). Wachsmuth and Springer, 1880

- (1879), p. 117 (340). Bassler and Moodey, 1943, p. 677.  
Mississippian, Serpukhovian (Meramecian – Chesterian), St. Louis Limestone,  
Hartselle Sandstone. United States, Alabama, Missouri, Illinois
- \**Cymbiocrinus grandis* Kirk, 1944d, p. 238, Pl. 1, figs. 6-7, 10. Webster, 1973, p. 97.  
Burdick and Strimple, 1983a, p. 140, Pl. 12, fig. 15. Chestnut and Etensohn,  
1988, p. 37, Pl. 2, figs. 5-8. Webster, 1988, p. 66. Webster, 1993, p. 47.
- Cymbiocrinus lyoni* Kirk, 1944 (part). Chestnut and Etensohn, 1988, p. 37.  
Webster, 1993, p. 47.
- Cymbiocrinus romingeri* Kirk, 1944d, p. 241, Pl. 1, figs. 1-4, 8-9. Webster, 1973, p.  
97. Moore and Strimple *in* Moore and Teichert, 1978, p. T739, Fig. 488, nos.  
1a-1c. Burdick and Strimple, 1983a, p. 145, Pl. 13, figs. 5, 7. Webster, 1986, p.  
117. Chestnut and Etensohn, 1988, p. 37. Webster, 1988, p. 66. Webster, 1993,  
p. 47.
- Cymbiocrinus tumidus* Kirk, 1944d, p. 242, Pl. 1, figs. 13-14. Webster, 1973, p. 97.  
Burdick and Strimple, 1983a, p. 146, Pl. 13, fig. 9, 11-12. Chestnut and  
Etensohn, 1988, p. 37. Webster, 1988, p. 66. Webster, 1993, p. 47.  
Mississippian, Serpukhovian (Meramecian?, Chesterian), Ste. Genevieve  
Limestone; Bangor Limestone; Pennington Formation; Glen Dean Formation;  
Pride Mountain Formation; Monteagle Limestone. United States, Kentucky,  
Alabama
- Cymbiocrinus gravis* Strimple, 1951c, p. 18, Pl. 4, fig. 4-6. Webster, 1973, p. 97.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
Oklahoma
- Cymbiocrinus lyoni* Kirk, 1944 (part) = \**Aenigmocrinus anomalos*
- Cymbiocrinus lyoni* Kirk, 1944 (part) = *Cymbiocrinus grandis*
- Cymbiocrinus pitkini* Strimple, 1955 = *Paracymbiocrinus pitkini*
- Cymbiocrinus romingeri* Kirk, 1944 = *Cymbiocrinus grandis*
- Cymbiocrinus tumidus* Kirk, 1944 = *Cymbiocrinus grandis*
- Cymbiocrinus* n. sp. Webster *in* Beus, 1999, p. 96, Fig. E, no. 13rr.  
Mississippian, Serpukhovian, late Chesterian, Surprise Canyon Formation. United  
States, Arizona
- Cymbiocrinus?* sp. nov. Webster and Jell, 1993, p. 358, Fig. 2, nos. I-K.  
Permian, Artinskian?, Rat Buri Limestone. Thailand, Ko Phi Phi Island
- Cymbiocrinus* sp.  
Priest, 1970, p. 15, Figs. 1-2. Webster, 1977, p. 63.  
Mississippian, Viséan (Meramecian), Pella Beds. United States, Iowa  
Burdick and Strimple, 1971a, p. 33, Pl. 3, figs. 2, 4, 7. Webster, 1977, p. 63.  
Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United

States, Illinois

Burdick and Strimple, 1983a, p. 148, Pl. 12, fig. 1. Webster, 1988, p. 66.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama

*CYPELLAEOCRINUS* Bather, 1899 = **MARSUPIOCRINUS**

*CYPELLOCRINITES* Steininger, 1849 = **CUPRESSOCRINITES**

*Cypellocrinites elegans* (Schnur in Steininger, 1849) = *Cupressocrinites elegans*

*CYPELLOCRINUS* Bather, 1900 = **CUPRESSOCRINITES**

**CYPHOOCRINUS** Miller, 1892. \**C. gorbyi* Miller, 1892.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoida, F. Dimerocrinitidae

Miller, S. A., 1892a, p. 676. Miller, S. A., 1892c, p. 50 (adv. pub.). Miller, S. A., 1894, p. 304. Miller, S. A., 1897, p. 741. Bather, 1900 in Lankester, p. 199. Weller, S., 1900, p. 75. Springer in Zittel, 1913, p. 187. Bassler, 1915, p. 340. Springer, 1926a, p. 14. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 402. Moore and Laudon, 1943b, p. 84. Moore and Laudon, 1944, p. 187. Ubaghs, 1950, p. 120, Fig. 8.. Ubaghs, 1953, p. 737. Webster, 1973, p. 97. Ubaghs in Moore and Teichert, 1978, p. T434. Webster, 1986, p. 117. Frest and Strimple, 1981, p. 647.

Webster, 1988, p. 66.

**HYPTIOCRINUS** Wachsmuth and Springer, 1892, p. 138. \**H. typus* Wachsmuth and Springer, 1892. Wachsmuth and Springer, 1897, p. 200. Miller, S. A., 1897, p. 747. Wachsmuth in Zittel, 1900, p. 145. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 402.

Named, currently recognized species based on cups or crowns: 2 Silurian species, 1 Wenlockian, 1 Ludlovian

Silurian, Wenlockian - Ludlovian. United States, Illinois, Indiana

*Cyphocrinus chicagoensis* Weller, S., 1900, p. 76, Pl. 1, figs. 1-4. Bassler, 1915, p.

341. Bassler and Moodey, 1943, p. 402. Frest and Strimple, 1981, p. 649.

Webster, 1988, p. 66.

Silurian, Ludlovian, Racine Dolomite. United States, Illinois

\**Cyphocrinus gorbyi* Miller, S. A., 1892a, p. 676, Figs. 1221-1222. Miller, S. A., 1892c, p. 51, Pl. 7, figs. 14-16 (adv. pub.). Miller, S. A., 1894, p. 305, Pl. 7, figs. 14-16. Bassler, 1915, p. 341. Springer, 1926a, p. 15, Pl. 1, figs. 15-18. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 402. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 12. Ubaghs, 1953, p. 737, Fig. 59, no. b. Webster, 1973, p. 97. Ubaghs in Moore and Teichert, 1978, p. T434, Fig. 243, no. 3. Webster, 1986, p. 117. Frest and Strimple, 1981, p. 649, Fig. 2. Webster, 1988, p. 66.

*Hyptiocrinus typus* Miller, S. A., 1892a, p. 680 (*nomen nudum*). Wachsmuth and Springer, 1892, p. 138. Wachsmuth and Springer, 1897, p. 201, Pl. 19, figs. 6a-6c. Bassler, 1915, p. 341. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p.

402.

Silurian, Wenlockian, Salamonie Dolomite, Laurel Member. United States, Indiana

*CYPRESSOCRINITES* Steininger, 1849 = **CUPRESSOCRINITES**

*Cypressocrinites prismaticus* Steininger, 1849 = *Cupressocrinites elongatus*

*CYPRESSOCRINUS* Bather in Lankester, 1900 = **CUPRESSOCRINITES**

*CYRTIDOCRINUS* Angelin, 1878 = **LECANOCRINUS**

*Cyrtidocrinus fascietatus* Angelin, 1878 = *Lecanocrinus (Lecanocrinus) fascietatus*

*CYRTOCRINUS* Kirk, 1943 (*non* Jaekel, 1891) = **CYTIDOCRINUS**

*CYRTOCRINUS* Zittel, 1880 = **CYTIDOCRINUS**

*Cyrtoceras corbulatum* Barrande (*Eucalyptocrinus? bohemicus* Barrande) in Waagen and Jahn, 1899 = *Corbuloceras corbulatus* Barrande, 1870. Prokop and Petr, 1990, p. 61 (a cephalopod). Webster, 1993, p. 47.

*Cyrtocrinus sculptus* (Hall, 1858) = *Cyrtidocrinus sculptus*

*Cystidea granulum* Barrande, 1887 = Pisocrinidae gen. et sp. indet. Prokop and Petr

*Cystidea incepta* Barrande, 1887 = *Caleidocrinus* sp. ind. Prokop and Petr

*Cystidea? subregularis* Barrande, 1887 = *Crotalocrinites* spp.

**CYTIDOCRINUS** Kirk, 1944. \**Actinocrinus sculptus* Hall, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoida, F. Actinocrinitidae

Kirk, 1944b, p. 85. Ubaghs, 1953, p. 739. Arendt and Hecker, 1964, p. 96.

Webster, 1973, p. 97. Macurda, 1974, p. 821, Figs. 1-2. Bowsher in Moore and Teichert, 1978, p. T458. Cowen, 1981, p. 339. Webster, 1986, p. 117. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 66. Webster, 1993, p. 47.

*CYRTOCRINUS* Zittel, 1880, p. 380.

*CYRTOCRINUS* Kirk, 1943a (*non* Zittel, 1880), p. 263. Webster, 1973, p. 97.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (middle early Osagean). United States, Iowa

\**Cyrtidocrinus sculptus* (Hall, 1858). Kirk, 1944b, p. 85. Laudon, 1948, Pl. 3. Brower, 1965, p. 775, Pl. 91, fig. 16. Webster, 1973, p. 98. Ubaghs in Moore and Teichert, 1978, p. T144, Fig. 116, no. 2. Bowsher in Moore and Teichert, 1978, p. T458, Fig. 264, no. 2. Webster, 1986, p. 118.

*Actinocrinus sculptus* Hall, 1858c, p. 582, Pl. 10, figs. 11a-11b. Hall, 1859a, Pl. 3, fig. 3. Shumard, 1868, p. 348. Meek and Worthen, 1873, p. 343, Pl. 4, fig. 9. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 601. Kirk, 1943a, p. 263. Bassler and Moodey, 1943, p. 684. Webster, 1973, p. 98.

*Steganocrinus sculptus* (Hall, 1858). Meek and Worthen, 1866a, p. 197, Fig. 10. Miller, S. A., 1889, p. 282, Fig. 431. Keyes, 1890a, Pl. 8, fig. 8. Wachsmuth and Springer, 1897, p. 583, Pl. 61, figs. 1a-1f. Weller, S., 1898c, p. 601. Grabau and Shimer, 1910, p. 529, Fig. 1856. Bassler and Moodey, 1943, p. 684. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 3. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 5. Laudon, 1973b, p. 29, Fig. 5. Webster, 1973, p. 242. Webster, 1977,

p. 158. Wolf, 1979, p. 150, Fig. 1, no. i.

*Actinocrinites sculptilis* (Hall, 1858). Meek, 1874, p. 190 (sic).

*Cyrtocrinus sculptus* (Hall, 1858). Kirk, 1943a, p. 263, Figs. 3, 5. Webster, 1973, p. 98.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, Missouri, New Mexico

**CYTOCRINUS** Roemer, 1860. \**C. laevis* Roemer, 1860.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, F. uncertain

Roemer, C. F., 1860b, p. 46, 760. Bigsby, 1868, p. 19. Zittel, 1880, p. 344, 368.

Miller, S. A., 1889, p. 237. Springer, 1913, p. 190. Bassler, 1915, p. 795.

Bassler,

1938, p. 82. Bassler and Moodey, 1943, p. 402. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 200. Kesling, 1964a, p. 91. Webster, 1973, p. 169. Webster, 1977, p. 63. Ubaghs *in* Moore and Teichert, 1978, p. T492.

Webster, 1986, p. 118.

*TURBINICRINITES* Toost *in* Wood, E., 1909, p. 44. *T. verneuili* Troost, 1909.

Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 402. Kesling, 1964a, p.

92. Webster, 1973, p. 170. Ubaghs *in* Moore and Teichert, 1978, p. T492.

*TURBINOCRINUS* Wachsmuth and Springer, 1881, p. 237 (411). Hall, 1882b, p.

269. Bather *in* Lankester, 1900, p. 161. Bassler, 1938, p. 189. Bassler and

Moodey, 1943, p. 402. Moore and Laudon, 1943b, p. 96. Kesling, 1964a, p. 92.

Webster, 1973, p. 170. Ubaghs *in* Moore and Teichert, 1978, p. T492.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Silurian, Niagaran. United States, Tennessee, Kentucky

\**Cyrtocrinus laevis* Roemer, C. F., 1860a, p. 46, Pl. 4, figs. 2a-2c. Shumard, 1868, p. 361. Miller, S. A., 1889, p. 237. Bassler, 1915, p. 796. Springer, 1926a, p. 28, Pl. 5, figs. 7-8. Bassler, 1938, p. 82. Bassler and Moodey, 1943, p. 402. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 6. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 15. Spreng and Parks, 1953, p. 587, Fig. 2c. Kesling, 1964a, p. 94. Webster, 1973, p. 171. Webster, 1977, p. 63. Ubaghs *in* Moore and Teichert, 1978, p. T492, Fig. 297, no. 1. Webster, 1986, p. 118. Ausich, 2009a, p. 487, suppl., p. 14.

*Ctenocrinus laevis* (Roemer, 1860). Shumard, 1868, p. 361.

- Melocrinus laevis* (Roemer, 1860). Wachsmuth and Springer, 1881, p. 46 (p. 122). Bassler, 1915, p. 796.
- Melocrinites laevis* (Roemer, 1860) (*non* Goldfuss, 1831). Kesling, 1964a, p. 94. Webster, 1973, p. 171.
- Cyathocrinus laevis* (Roemer); Hauser, 2002, p. 36.
- Actinocrinites verneuilli* Troost, 1850a, p. 60 (*nomen nudum*).
- Actinocrinites verneuilli* Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 560.
- Turbincrinites verneuilli* Troost *in* Wood, 1909, p. 44. Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 402. Kesling, 1964a, p. 93. Webster, 1973, p. 173.
- Melocrinus verneuilli* (Troost, 1849). Shumard, 1865, p. 381. Hall, 1864c, p. 327, Pl. 10, fig. 5. Hall, 1865, p. 23, Pl. 1, fig. 5. Hall, 1867b, p. 327, Pl. 10, fig. 5. Hall, 1870, p. 372, Pl. 10, fig. 5. Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 560.
- Melocrinites verneuilli* (Troost, 1849). Bassler and Moodey, 1943, p. 560. Kesling, 1964a, p. 93. Webster, 1973, p. 173.
- Melocrinus roemeri* Wachsmuth and Springer, 1897, p. 201, Pl. 22, figs. 11a-11b. Miller, S. A., 1897, p. 748. Wood, E., 1909, p. 44, Pl. 10, figs. 11-12. Grabau and Shimer, 1910, p. 556, Fig. 1888. Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 402.
- Melocrinites roemeri* (Wachsmuth and Springer, 1897). Hauser, 2002, p. 36, Pls. 5, figs. 3-3a; 6, fig. 1; Fig. 25; Tabs. 6-7.
- Silurian, Niagaran, Beech River Formation, Louisville Limestone. United States, Tennessee, Kentucky

**CYTTAROCRINUS** Goldring, 1923. \**Platycrinus eriensis* Hall, 1862.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoida, F. Hapalocrinidae

Goldring, 1923, p. 265. Schmidt, W. E., 1934, p. 45. Bassler, 1938, p. 82. Bassler and Moodey, 1943, p. 45. Moore and Laudon, 1943b, p. 101. Moore and Laudon, 1944, p. 203. Ubaghs, 1953, p. 743. Webster, 1973, p. 98. Ubaghs *in* Moore and Teichert, 1978, p. T513. Webster, 1986, p. 118. Webster, 1993, p. 47.

Named, currently recognized species based on cups or crowns: 4 Devonian species.  
1 Emsian, 1 Eifelian, 2 Givetian

Devonian, Eifelian. Germany

Devonian, Givetian. United States, New York

Devonian, Emsian. Morocco

- \**Cyttarocrinus eriensis* (Hall, 1862). Goldring, 1923, p. 268, Pl. 36, figs. 1, 2; Fig. 49. Moore, 1939b, p. 243, Fig. 13, no. 6 (portion of arm). Bassler and Moodey, 1943, p. 403. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 6. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 22. Goldring, 1945, p. 63. Koenig, J. W., 1965, p. 406, Figs. 4; 5, nos. a-p. Webster, 1973, p. 98. Brower, 1974b, p. 4, Fig. 2, nos. 1-7. Ubaghs *in* Moore and Teichert, 1978, p. T79, T514, Figs. 150, nos. 8-16; 314, no. 3a. Webster, 1986, p. 118. Sevastopulo and Lane, 1988, p. 249. Le Menn, 1992, p. 111, Fig. 4, nos. G-L. Webster, 1993, p. 47.



*Platycrinus eriensis* Hall, 1862a, p. 119, Pl. 1, fig. 1. Hall, 1862b, p. 119, Pl. 1, fig. 1. Miller, S. A., 1889, p. 270. Whitfield and Hovey, 1900, p. 198. Bassler, 1938, p. 82. Bassler and Moodey, 1943, p. 402.

Devonian, Givetian (Erian), Hamilton Shale, Tichenor Limestone; Tully Formation, Westbrook Member; Coeymans Shale; Ludlowville Shale; Moscow Shale. United States, New York

*Cyttarocrinus* sp. cf. *C. eriensis* (Hall, 1862). Ubaghs *in* Moore and Teichert, 1978, p. T514, Fig. 314, nos. 3b-3d. Webster, 1986, p. 118.

Devonian, Givetian (Erian), Moscow Formation. United States, New York

*Cyttarocrinus granopexus* Schmidt, W. E., 1942, p. 35, Pls. 7, figs. 5-7; 21, fig. 3. Webster, 1973, p. 98.

Devonian, Eifelian, *Orthocrinus* Beds. Germany

*Cyttarocrinus jewetti* Goldring, 1923. Goldring, 1935b, p. 359, Pl. 27, figs. 1-2.

Bassler and Moodey, 1943, p. 402. Goldring, 1954, p. 8, Pl. 1, figs. 6-7.

Breimer, 1962a, p. 142, Fig. 32. Koenig, J. W., 1965, p. 406, Fig. 3, nos. D-E.

Webster, 1973, p. 98. Ubaghs *in* Moore and Teichert, 1978, p. T514, Figs. 314, nos. 3e-3f. Webster, 1986, p. 118.

*Cyttarocrinus? jewetti* Goldring, 1923, p. 271, Pl. 36, figs. 3-5. Bassler and Moodey, 1943, p. 402.

*Platycrinus eboraceus* Hall, 1862a, p. 91. Hall, 1862b, p. 120. Shumard, 1868, p. 388. Hall, 1872c, Pl. 1, figs. 16-17. Miller, S. A., 1889, p. 270. Bassler and Moodey, 1943, p. 402.

Devonian, Givetian (Erian), Hamilton Group, lower part of Moscow Shale, Ludlowville

Shale. United States, New York

*Cyttarocrinus? jewetti* Goldring, 1923 = *Cyttarocrinus jewetti*

*Cyttarocrinus laghdadensis* Le Menn and Regnault, 1993, p. 253, Fig. 2, nos. A-F.

Devonian, Emsian. Marocco

*Cyttarocrinus rauffi* Schmidt, 1934 = *Hapalocrinus rauffi*

**DACTILOCRINUS** Wachsmuth and Springer, 1886 = **DACTYLOCRINUS** Sladen, 1878 = **SCYTAOCRINUS**

**DACTYLOCRINUS** Quenstedt, 1876. \**Dimerocrinites oligoptilus* Pacht, 1852.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.

Dactylocrinidae

Quenstedt, 1876, p. 520. Zittel, 1880, p. 343, 354. Bather *in* Lankester, 1900, p.

189. Jaekel, 1902, p. 1070, Fig. 13, no. B. Springer, 1906, p. 518. Springer *in*

Zittel, 1913, p. 205. Springer, 1920a, p. 261. Thomas, A. O., 1924, p. 460.

Bassler, 1938, p. 83. Maillieux, 1940, p. 21. Bassler and Moodey, 1943, p. 403.

Moore and Laudon, 1943b, p. 74, Fig. 10. Moore and Laudon, 1944, p. 179, Pl.

67, fig. 5. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 93. Strimple and

- Moore, 1971a, p. 39. Webster, 1973, p. 98. Webster, 1977, p. 63. Moore *in* Moore and Teichert, 1978, p. T800, Figs. 506, no. 14; 508, no. 1b; 509, no. 4d. Webster, 1986, p. 118. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 47. Hauser, 1997, p. 120, Fig. 37. Hauser, 1999, p. 101, Fig. 34. Hauser, 2001, p. 73, Fig. 57; 2002, p. 53, Fig. 41. Hauser, 2003, p. 35, Fig. 57.
- ARISTOCRINUS* Rowley, R. R., 1895, p. 218. \**A. concavus* Rowley, R. R., 1895. Miller, S. A., 1897, p. 734. Springer, 1902, p. 95. Bassler, 1938, p. 44. Bassler and Moodey, 1943, p. 403. Strimple and Moore, 1971a, p. 39. Webster, 1977, p. 63.
- CALLAWAYCRINUS* Rowley, R. R., 1895, p. 218. Bassler, 1938, p. 57. Bassler and Moodey, 1943, p. 403.
- DIMEROCRINITES* Pacht (*non* Phillips, 1839), 1852 (adv. pub.). Pacht, 1853, p. 339. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 403.
- Named, currently recognized species based on cups or crowns: 9 species, 1 subspecies. 8 Devonian, 1 Eifelian, 1 Givetian, 4 Frasnian, 1 Frasnian – Famennian, 1 Devonian, series not given (+1 subspecies, series not given); 1 Mississippian, Tournaisian
- Middle - Late Devonian. Europe, Russia
- Middle Devonian, Givetian - Mississippian, Tournaisian. United States

*DACTYLOCRINUS* Sladen, 1878 = ***SCYTALOCRINUS***

- Dactylocrinus alienus* Hauser, 2002, p. 53, Pl. 11, figs. 2-2b; Fig. 42.  
Devonian, latest Frasnian, Budesheim Formation. Belgium
- Dactylocrinus alpina* Springer, 1920a, p. 307, 312, Pl. 41, figs. 10a-10b. Bassler and Moodey, 1943, p. 403. Moore and Laudon, 1944, p. 181, Pl. 69, fig. 14.  
Webster, 1973, p. 98.  
Devonian, Givetian, Traverse Group, Thunder Bay Limestone. United States, Michigan
- Dactylocrinus beyrichi* (Dewalque, 1884). Springer, 1920a, p. 307, 311, Pl. 41, figs. 3-4. Maillieux, 1933, p. 80, Fig. 103. Maillieux, 1940, p. 21. Bassler and Moodey, 1943, p. 403. Hauser, 1999, p. 101, Pl. 26, figs. 2-3. Hauser, 2003, p. 35, Pl. 5, figs. 1-3.  
*Zeacrinus beyrichi* Dewalque, 1884, p. 112, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 403.  
Devonian, Frasnian - Famennian, *Reticularia pachyrhyncha* Shales. Belgium
- Dactylocrinus* aff. *beyrichi* (Fraipont, 1884). Hauser, 2003, p. 54, Pl. 5, figs. 4-5.  
Devonian, Frasnian, Neuville Formation. Belgium
- Dactylocrinus* cf. *beyrichi* (Fraipont, 1884). Hauser, 2003, p. 54, Pl. 5, figs. 6, 9.  
Devonian, Frasnian, Neuville Formation. Belgium
- Dactylocrinus concavus* (Rowley, 1893). Springer, 1920a, p. 307, 309, Pl. 41, figs. 7-9. Branson and Wilson, 1922, p. 67, Pl. 7, figs. 4-5. Thomas, A. O., 1924, Pl. 44,

figs. 6-7. Bassler and Moodey, 1943, p. 404. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 4. Moore and Laudon, 1944, p. 181, Pl. 68, fig. 1. Branson, E. B., 1944, p. 150, Pl. 21, figs. 10-11. Webster, 1973, p. 98. Moore *in* Moore and Teichert, 1978, p. T801, Fig. 539, nos. 1c-1e. Webster, 1986, p. 118.  
*Taxocrinus concavus* Rowley, R. R., 1893b, p. 304, Pl. 14, fig. 2; Rowley, R. R., 1894, p. 153, Figs. 3, 9-10. Miller, S. A., 1897, p. 754. Bassler, 1938, p. 44. Bassler and Moodey, 1943, p. 403.  
*Aristocrinus concavus* (Rowley, 1893). Rowley, R. R., 1895, p. 218. Bassler and Moodey, 1943, p. 403.  
 Devonian, Frasnian, Snyder Creek Shale. United States, Missouri

*Dactylocrinus elongatus* Sladen, 1878 = *Scytalocrinus elongates* = *Gaelicrinus rostratus*

*Dactylocrinus excavatus* (Schultze, 1866). Springer, 1920a, p. 308, Pl. 41, figs. 5-6. Bassler and Moodey, 1943, p. 404. Moore *in* Moore and Teichert, 1978, p. T801, Fig. 538, no. 3c. Webster, 1986, p. 118. Hauser, 2001, p. 23, 73, Pls. 1, figs. 1-2a; 3, fig. 1; Figs. 58-59.  
*Zeacrinus excavatus* Schultze, 1866, p. 39 (adv. pub.). Schultze, 1867, p. 151, Pl. 7, figs. 2-2a; Fig. 6. Bassler and Moodey, 1943, p. 404.  
*Dactylocrinus excavatus* var. *interscapularis* Schultze, 1876. Hauser, 2001, p. 73. Devonian, Eifelian. Germany

*Dactylocrinus* cf. *excavatus* (Schultze, 1866). Hauser, 1997, p. 120, Pl. 73, figs. 2-3. Devonian, Givetian, Lough Formation. Germany

*Dactylocrinus excavatus interscapularis* (Schultze, 1866). Hauser, 1997, p. 120.  
*Zeacrinus excavatus* var. *interscapularis* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 152, Pl. 7, figs. 3-3b. Bassler and Moodey, 1943, p. 404.  
 Devonian, stage and horizon not given. Germany

*Dactylocrinus excavatus* var. *interscapularis* Schultze, 1876 = *Dactylocrinus excavatus*

*Dactylocrinus* cf. *excavatus* (Schultze, 1866). Hauser, 2001, Pl. 3, fig. 1. Devonian, Eifelian. Germany

*Dactylocrinus loreus* Sladen, 1878 = *Scytalocrinus loreus*

\**Dactylocrinus oligoptilus* (Pacht, 1852). Springer, 1920a, p. 307, 310, Pl. 41, figs. 1-2. Bekker, 1924, p. 45, Pl. 5, figs. 8-9. Bassler and Moodey, 1943, p. 404. Yakovlev, 1941a, p. 325, Pl. 1, figs. 1-2. Yakovlev, 1974a, p. 55, Pl. 10, figs. 1-2. Arendt and Hecker, 1964, p. 93, Pl. 14, fig. 1. Webster, 1973, p. 98. Moore *in* Moore and Teichert, 1978, p. T800, Figs. 538, nos. 3a-3b; 539, nos. 1a-1b. Gekker, 1983, p. 75, Pl. 64 (reconstruction). Webster, 1986, p. 119. Webster, 1993, p. 48.  
*Dimerocrinites oligoptilus* Pacht, 1852, p. 339, Pls. 1-3. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 404.  
*Dimerocrinus oligoptilus* (Pacht, 1852). Eichwald, 1860, p. 597.

*Dimerocrinus (Taxocrinus?) oligoptilus* (Pacht, 1852). Wenjukoff, 1886, p. 447, Pl. 1, fig. 11.

*Dimerocrinus olygoptylus* (Pacht, 1852). Lahusen, 1895, p. 148, Fig. 198.  
Devonian, Frasnian, Chudovo Beds. Russia, Novogorod, Shelon River

*Dactylocrinus spiniferus* Yakovlev, 1941a, p. 326, Pl. 1, figs. 3-4. Webster, 1973, p. 98.

Devonian, Frasnian, Chudovo Beds. Russia, Kerest River

*Dactylocrinus stellatimbasalis* Thomas, A. O., 1924, p. 469, Pl. 44, figs. 1-5; Fig. 73.  
Bassler and Moodey, 1943, p. 404.

Devonian, Frasnian, Lime Creek Beds. United States, Iowa

*Dactylocrinus tardus* (Hall, 1862). Springer, 1920a, p. 307, 313, Pl. 41, fig. 11.  
Bassler and Moodey, 1943, p. 404.

*Forbesiocrinus tardus* Hall, 1862a, p. 96. Hall, 1862b, p. 124. Hall and Whitfield, 1875c, p. 170, Pl. 12, fig. 7. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 404.

*Forbesiocrinus lobatus* var. *tardus* Hall, 1863b, p. 56. Hall, 1864, p. 56. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 404.

*Taxocrinus lobatus* var. *tardus* (Hall, 1863). Miller, S. A., 1889, p. 286. Lesley, 1889, p. 1163, Fig. 2.

*Taxocrinus tardus* (Hall, 1862). Weller, S., 1898c, p. 626.

Mississippian, Tournaisian (Kinderhookian), Cuyahouga Formation. United States, Ohio

*Dactylocrinus tenuis* (Miller, 1821) = *Scytalocrinus tenuis*

*Dactylocrinus* sp. indet. Hauser, 2003, p. 58, Pl. 9, fig. 2.

Devonian, Frasnian, Neuville Formation. Belgium

**DAEDALOCRINUS** Ulrich, 1925. \**D. kirki* Ulrich, 1925.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Ulrich, E. O., 1925, p. 97. Bassler, 1938, p. 83. Bassler and Moodey, 1943, p. 404. Moore and Laudon, 1943b, p. 29. Moore and Laudon, 1944, p. 145. Ubaghs, 1953, p. 746. Moore, 1962b, p. 32, Fig. 3, no. 1. Webster, 1973, p. 98. Warn and Strimple, 1977, p. 100. Moore and Lane *in* Moore and Teichert, 1978, p. T522. Cowen, 1981, p. 339. Webster, 1986, p. 119. Sevastopulo and Lane, 1988, p. 246. Clement, 1988, p. 113. Webster, 1988, p. 66. Webster, 1993, p. 48. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Sandbian species

Ordovician, Sandbian (middle Caradocian). Canada, Ontario

*Daedalocrinus bellewillensis* (Billings, 1883). Ulrich, E. O., 1925, p. 83, 97. Bassler and Moodey, 1943, p. 404. Warn and Strimple, 1977, p. 100, Pl. 18, fig. 25. Webster, 1986, p. 119.

*Heterocrinus bellevillensis* Billings, W. E., 1883, p. 49, Unnum. Pl. and figs. Miller, S. A., 1889, p. 252. Wachsmuth and Springer, 1891, p. 392, Pl. 10, fig. 8. Bather, 1899a, p. 35, Fig. 5. Bather *in* Lankester, 1900, p. 146, Fig. 58, no. 2. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 404. Warn and Strimple, 1977, p. 100. Webster, 1986, p. 119.

*Stenocrinus bellevillensis* (Billings, 1883). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 870.

*Ohioocrinus bellevillensis* (Billings, 1883). Springer, 1911b, p. 26. Bassler, 1915, p. 870.

Ordovician, Sandbian (middle Caradocian), Hull Limestone. Canada, Ontario

\**Daedalocrinus kirki* Ulrich, E. O., 1925, p. 97, Fig. 13. Bassler, 1938, p. 83. Bassler and Moodey, 1943, p. 404. Moore and Laudon, 1944, p. 145, Pl. 52, fig. 7. Webster, 1973, p. 98. Warn and Strimple, 1977, p. 100. Ubaghs *in* Moore and Teichert, 1978, p. T186, Fig. 156, no. 2. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Fig. 321, no. 2. Webster, 1986, p. 119.

Ordovician, Sandbian (middle Caradocian), Hull Limestone. Canada, Ontario

**DAEMENOCRINITES** Wood, 1909 = **TALAROCRINUS**

*Daemenocrinites cornutus* (Troost, 1850) = *Talarocrinus symmetricus*

**DAEMENOCRINUS** Bather, 1900 = **TALAROCRINUS**

**DAEMONICRINITES** Miller, 1889 = **TALAROCRINUS**

**DAEMONOCRINITES** Troost, 1850 = **TALAROCRINUS**

*Daemonocrinites cornutus* Troost, 1850 = *Talarocrinus symmetricus*

**DARRAGHCRINUS** Jell, 1999. \**Darraghcrinus tomi* Jell, 1999.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Jell, 1999a, p. 56.

Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian species

Devonian, late Lochkovian. Australia, Victoria

\**Darraghcrinus tomi* Jell, 1999a, p. 58, Figs. 44-46.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

**DASCIOCRINUS** Kirk, 1939. \**Cyathocrinus floralis* Yandell and Shumard, 1847.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.

Pirasocrinidae

Kirk, 1939, p. 472. Bassler and Moodey, 1943, p. 404. Moore and Laudon, 1943b, p. 56. Moore and Laudon, 1944, p. 161. Arendt and Hecker, 1964, p. 88. Burdick and Strimple, 1971a, p. 36. Webster, 1973, p. 98. Strimple, 1975i, p. 5. Webster, 1977, p. 63. Moore and Strimple *in* Moore and Teichert, 1978, p. T726. Burdick

and Strimple, 1983a, p. 114. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36, Figs. 10, 13. Webster, 1988, p. 66. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 48.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan - Serpukhovian species  
Mississippian, Viséan - Serpukhovian (Chesterian). United States

*Dasciocrinus aulicus* Strimple, 1963 = *Dasciocrinus floralis*

*Dasciocrinus cachensis* (Weller, 1920) = *Dasciocrinus floralis*

*Dasciocrinus florealis* (Yandell and Shumard, 1847) = *Dasciocrinus floralis*

\**Dasciocrinus floralis* (Yandell and Shumard, 1847). Kirk, 1939, p. 472. Bassler and Moodey, 1943, p. 405. Moore and Laudon, 1944, p. 161, Pl. 61, fig. 4. Strimple, 1975i, p. 5. Moore and Strimple *in* Moore and Teichert, 1978, p. T726, Fig. 446, no. 1. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36, Pl. 1, figs. 1-4. Webster, 1993, p. 48.

*Cyathocrinus floralis* Yandell and Shumard, 1847, p. 24, Unnum. Pl., fig. 1. Miller, S. A., 1889, p. 235. Bassler and Moodey, 1943, p. 405.

*Cyathocrinus florealis* Yandell and Shumard, 1847. Shumard, 1868, p. 399. Weller, S., 1898c, p. 651.

*Zeacrinus florealis* (Yandell and Shumard, 1847). Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 651.

*Pachylocrinus florealis* (Yandell and Shumard, 1847). Springer, 1926b, p. 65, 72, Pl. 16, figs. 8-9a. Bassler and Moodey, 1943, p. 405.

*Poteriocrinus florealis* (Yandell and Shumard, 1847). Miller, S. A., 1889, p. 274 (sic).

*Dasciocrinus florealis* (Yandell and Shumard, 1847). Webster, 1973, p. 99 (sic).

*Dasciocrinus aulicus* Strimple, 1963b, p. 101, Pl. 1, figs. 8-9; Figs. 1-4. Strimple, 1975i, p. 6. Webster, 1973, p. 99. Burdick and Strimple, 1983a, p. 116, Pl. 17, fig.

6. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36. Webster, 1988, p. 66. Webster, 1993, p. 48.

*Pachylocrinus cachensis* Weller, S., 1920, p. 343, Pl. 8, fig. 35. Bassler and Moodey, 1943, p. 404. Chestnut and Etensohn, 1988, p. 36. Webster, 1993, p. 48.

*Dasciocrinus cachensis* (Weller, 1920). Strimple, 1975i, p. 6. Burdick and Strimple, 1983a, p. 115, Pl. 17, figs. 1, 3-4, 11-12. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36. Webster, 1988, p. 66. Webster, 1993, p. 48.

*Scaphiocrinus spinifer* Wetherby, 1880b, p. 157, Pl. 5, fig. 5. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 405. Chestnut and Etensohn, 1988, p. 36. Webster, 1993, p. 48.

*Dasciocrinus spinifer* (Wetherby, 1880). Kirk, 1939, p. 472. Bassler and Moodey, 1943, p. 405. Strimple, 1975i, p. 6, Pl. 2, figs. 1-2. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36. Webster, 1993, p. 48.

*Poteriocrinus spinosus* Owen and Shumard, 1952a, p. 91, Pl. 11, figs. 3a-3b.

Shumard, 1852b, p. 598, Pl. 5B, fig. 4. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 549. Bassler and Moodey, 1943, p. 405. Burdick and Strimple, 1983a, p. 115, Pl. 17, figs. 1, 3-4, 11-12. Chestnut and Etensohn, 1988, p. 36. Webster, 1993, p. 48.

*Zeacrinus spinosus* (Owen and Shumard, 1852). Shumard, 1868, p. 399. Miller, S. A., 1889, p. 289.

*Scaphiocrinus spinosus* (Owen and Shumard, 1852). Weller, S., 1898c, p. 549.

*Dasciocrinus spinosus* (Owen and Shumard, 1852). Kirk, 1939, p. 472. Bassler and Moodey, 1943, p. 405. Strimple, 1975i, p. 5. Webster, 1986, p. 119. Chestnut and Etensohn, 1988, p. 36. Webster, 1988, p. 67. Webster, 1993, p. 48.

Mississippian, Viséan - Serpukhovian (Chesterian), Glen Dean Formation; Pennington Formation, Bangor Limestone; Fayetteville Formation; Paint Creek Formation; Golconda Group, Fraileys Formation. Illinois, Kentucky, Alabama, Oklahoma

*Dasciocrinus spinifer* (Wetherby, 1880) = *Dasciocrinus floralis*

*Dasciocrinus spinosus* (Owen and Shumard, 1852) = *Dasciocrinus floralis*

*Dasciocrinus* spp.

Burdick and Strimple, 1971a, p. 36, Pl. 7, fig. 5. Webster, 1977, p. 64.

Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois

Burdick and Strimple, 1983a, p. 114, Pl. 23, figs. 12-13. Webster, 1988, p. 67.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama

**DASHBERGCRINITES** Hauser, 2007 = **PROCUPRESSOCRINUS**

*Dachsbergcrinites rotundatus* Hauser, 2007 = *Procupressocrinus gracilis*

**DAZHUCRINUS** Mu and Wu, 1974. \**Dazhucrinus shanxiensis* Mu and Wu, 1974.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. - F. uncertain

Mu and Wu, 1974, p. 210. Webster, 1986, p. 120.

Named, currently recognized species based on cups or crowns: 2 Middle Silurian

Species, series not designated

Middle Silurian. China, Kweichow, Shensi

*Dazhucrinus guizhouensis* Mu and Wu, 1974, p. 211, Pl. 97, figs. 35-38. Webster, 1986, p. 120.

Middle Silurian, Hsiou-Shan Group. China, Kweichow Province

\**Dazhucrinus shanxiensis* Mu and Wu, 1974, p. 210, Pl. 97, figs. 39-42; Fig. 63.

Webster, 1986, p. 120.

Middle Silurian, Ningchiang Group. China, Shensi Province

**DECADACTYLOCRINITES** Owen 1843 = **HETEROCRINUS**

*Decadactylocrinites planus* Owen, 1843 = *Heterocrinus simplex* = *Ectenocrinus simplex*

**DECADACTYLOCRINUS** Wachsmuth and Springer, 1886 =  
**DECADACTYTOCRINITES = HETEROCRINUS**

Decadocrinoid Hou *et al.*, 1994, p. 8, Pl. 1, fig. 6. Lane, 1995, p. 94, Pl. 2, fig. 3.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

**DECADOCRINUS** Wachsmuth and Springer, 1880. \**Poteriocrinus (Scaphiocrinus) scalaris* Meek and Worthen, 1861.

Sbc. Cladida, Infrc. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Wachsmuth and Springer, 1880 (1879), p. 119 (342). Wachsmuth and Springer, 1886, p. 238 (162). Miller, S. A., 1889, p. 237. Bather *in* Lankester, 1900, p. 180. Wachsmuth *in* Zittel, 1900, p. 160. Grabau and Shimer, 1910, p. 510. Springer *in* Zittel, 1913, p. 223. Wanner, 1924, p. 178. Bassler, 1938, p. 84. Bassler and Moodey, 1943, p. 405. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 169, Pl. 52, fig. 17. Moore, 1962b, p. 15, Fig. 9, no. 8. Arendt and Hecker, 1964, p. 89. Strimple and Watkins, 1969, p. 199. Webster, 1973, p. 99. Webster, 1977, p. 64. Moore and Strimple *in* Moore and Teichert, 1978, p. T686. Smith, A. B., 1985, p. 171. Lane and Howell, 1986, p. 902. Webster, 1986, p. 120. Webster, 1988, p. 67. Lane and Sevastopulo, 1990, p. 336. Kammer and Ausich, 1993, p. 620. Webster, 1993, p. 48. Lane, Waters, and Maples, 1997, p. 19. Hauser, 1999, p. 110, Fig. 38. Webster and Waters, 2009, p. 281.

**POTERIOCRINUS (DECADOCRINUS)** Zittel, 1895, p. 136.

Named, currently recognized species based on cups or crowns: 32 species, 2 subspecies. 23 Devonian, 12 Givetian (+2 subspecies), 6 Frasnian, 4 Famennian; 8 Mississippian, 5 Tournaisian, 3 Viséan; 1 Pennsylvanian, Missourian

Middle Devonian, Givetian - Mississippian, Viséan (Osagean), Pennsylvanian, Missourian. North America

Devonian, Givetian - Mississippian, Tournaisian. Europe,

Devonian, Famennian. China

*Decadocrinus aegina* (Hall, 1863). Wachsmuth and Springer, 1880 (1879), p. 119 (342). Lesley, 1889, p. 931, Figs. f.11-f.12. Weller, S., 1898c, p. 213. Grabau and Shimer, 1910, p. 511, Fig. 1824, no. f. Bassler and Moodey, 1943, p. 405.

*Scaphiocrinus (Poteriocrinus) aegina* Hall, 1863b, p. 57. Hall, 1864a, p. 57. Hall and Whitfield, 1875, p. 174, Pl. 12, figs. 11-12. Miller, S. A., 1889, p. 279. Miller, S. A., 1897, p. 753. Bassler and Moodey, 1943, p. 405.

*Poteriocrinus (Scaphiocrinus) aegina* Hall, 1863. Weller, S., 1898c, p. 213.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Decadocrinus albersi* (Miller and Gurley, 1896) = *Ramulocrinus albersi* = *R. fountainensis* = *Poteriocrinus albersi*



- Decadocrinus baumgardeneri* Laudon and Beane, 1937, p. 258, Pl. 18, fig. 10.  
Bassler and Moodey, 1943, p. 405.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States,  
Iowa
- Decadocrinus bayensis* (Meek and Worthen, 1865) = *Aphelecrinus bayensis*
- Decadocrinus bellus* (Miller and Gurley, 1890) = *Aulocrinus bellus*
- Decadocrinus brazeauensis* Laudon, Parks, and Spreng, 1952, p. 556, Pls. 65, figs.  
36-38; 69, fig. 7. Webster, 1973, p. 99.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Decadocrinus columbiensis* (Worthen, 1882) = *Phacelocrinus columbiensis* =  
*Aphelecrinus columbiensis*
- “*Decadocrinus*” *constrictus* Lane, Waters, and Maples, 1997, p. 33, Figs. 12.12-12.16,  
13.1-13.4, 13.6.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region
- Decadocrinus crassidactylus* Laudon, 1936, p. 64, Figs. 7-8. Bassler and Moodey,  
1943, p. 405. Kesling, 1964b, p. 140. Webster, 1973, p. 99.  
Devonian, late Givetian, Cedar Valley Limestone, Littleton Member. United  
States, Iowa
- Decadocrinus clypeus* Webster, Maples, and Yazdi, 2007, p. 1114, Fig. 4, nos. 10-13.  
Mississippian, late Tournaisian, Mobarak Formation. Northern Iran
- Decadocrinus decemnodosus* Goldring, 1923, p. 424, Pl. 55, fig. 6. Bassler and  
Moodey, 1943, p. 406.  
Devonian, Frasnian, Portage Formation, Ithaca Shale. United States, New York
- Decadocrinus depressus* (Meek and Worthen, 1870) = *Lanecrinus depressus*
- Decadocrinus douglassi* Laudon, 1933 = *Hypselocrinus douglassi*
- “*Decadocrinus*” *elongatus* Lane, Waters, and Maples, 1997, p. 35, Figs. 14.3, 14.5, 14.  
8, 15.1.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region
- Decadocrinus?* *exornatus* Hauser, 1999, p. 110, Pl. 27, fig. 8.  
Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne
- Decadocrinus fifensis* Wright, 1934 = *Lanecrinus fifensis*
- Decadocrinus fiscellus* (Meek and Worthen, 1870) = *Pelecocrinus fiscellus*

*Decadocrinus fountainensis* (Worthen, 1882) = *Ramulocrinus fountainensis* =  
*Lanecrinus fountainensis*

*Decadocrinus grandis* (Wachsmuth and Springer); Springer, 1900 = *Histocrinus coreyi*

*Decadocrinus grandis* Wachsmuth and Springer, 1897 = *Decadocrinus tumidulus*

*Decadocrinus gregarius* (Williams, 1882). Goldring, 1923, p. 421, Pl. 54, figs. 16-17.  
Bassler and Moodey, 1943, p. 406. Moore and Laudon, 1944, p. 169, Pl. 60, fig.  
18. Webster, 1973, p. 99.

*Poteriocrinus (Decadocrinus) gregarius* Williams, H. S., 1882, p. 22, Pl. 1, figs. 6-8.  
Bassler and Moodey, 1943, p. 406.

*Poteriocrinus gregarius* Williams, 1882. Miller, S. A., 1889, p. 274.

*Poteriocrinus (Decadocrinus) gregarius* var. *alpha* Williams, H. S., 1882, p. 24.  
Bassler and Moodey, 1943, p. 406.

*Decadocrinus gregarius* var. *alpha* (Williams, 1882). Goldring, 1923, p. 423.  
Bassler and Moodey, 1943, p. 406.

*Poteriocrinus (Decadocrinus) gregarius* var. *beta* Williams, H. S., 1882, p. 24.  
Bassler and Moodey, 1943, p. 406.

*Decadocrinus gregarius* var. *beta* (Williams, 1882). Goldring, 1923, p. 423.  
Bassler and Moodey, 1943, p. 406.

*Poteriocrinus (Decadocrinus) gregarius* var. *gamma* Williams, H. A., 1882, p. 25.  
Bassler and Moodey, 1943, p. 406.

*Decadocrinus gregarius* var. *gamma* (Williams, 1882). Goldring, 1923, p. 423.  
Bassler and Moodey, 1943, p. 406.

Devonian, Frasnian, lower part of Chemung Group. United States, New York

*Decadocrinus gregarius* vars. *alpha* Williams, 1882 = *Decadocrinus gregarius*

*Decadocrinus gregarius* vars. *beta* Williams, 1882 = *Decadocrinus gregarius*

*Decadocrinus gregarius* vars. *gamma* Williams, 1882 = *Decadocrinus gregarius*

*Decadocrinus halli* (Hall, 1861) = *Ramulocrinus halli* = *Lanecrinus halli*

*Decadocrinus hughwingi* Kesling, 1964b, p. 137, Pl. 1, figs. 1-4; Fig. 1. Kesling, 1971a,  
p. 193, Pls. 1-3. Webster, 1973, p. 99. Kesling and Chilman, 1975, p. 163, Pls.  
29, fig. 4; 40, figs. 5-10; Unnum. Fig. p. 163. Webster, 1977, p. 64. Webster,  
1986, p. 120.

Devonian, Givetian, Silica Formation. United States, Ohio

*Decadocrinus insolens* Goldring, 1923, p. 426, Pl. 56, figs. 3-5. Bassler and Moodey,  
1943, p. 406.

Devonian, Frasnian, West River Shale. United States, New York

*Decadocrinus juvenis* (Meek and Worthen, 1870) = *Histocrinus juvenis*

*Decadocrinus kersadiouensis* Le Menn, 1985, p. 95, Pls. 19, figs. 1-7; 20, figs. 1-7; Figs. 3, no. G; 9, no. B; 40, nos. A-C. Webster, 1988, p. 67.  
Devonian, Givetian, Tibidy Sandstone. France, Armorican Massif

*Decadocrinus killawogensis* Goldring, 1923, p. 428, Pl. 54, figs. 18-19. Bassler and Moodey, 1943, p. 407.  
Devonian, Frasnian, Ithaca Shale, Grimes Sandstone. United States, New York

*Decadocrinus liriopae* (Hall, 1863) = *Decadocrinus liriopae*

*Decadocrinus liriopae* (Hall, 1863). Wachsmuth and Springer, 1880 (1879), p. 119 (342). Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 407.  
*Poteriocrinus* (*Scaphiocrinus*) *liriopae* Hall, 1863b, p. 58. Hall, 1864a, p. 58. Hall and Whitfield, 1875c, p. 175, Pl. 12, fig. 10. Bassler and Moodey, 1943, p. 407.  
*Scaphiocrinus* (*Poteriocrinus*) *liriopae* (Hall, 1863). Weller, S., 1898c, p. 214.  
*Decadocrinus liriopae* (Hall, 1863). Lesley, 1889, p. 932, Fig. 9.  
*Scaphiocrinus liriopae* (Hall, 1863). Shumard, 1868, p. 395. Miller, S. A., 1897, p. 753.  
*Scaphiocrinus liriopae* (Hall, 1863). Miller, S. A., 1889, p. 280 (sic).  
Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Decadocrinus manifoldis* (Miller, 1892) = *Lanecrinus depressus*

*Decadocrinus milleri* (Wetherby, 1881) = *Ramulocrinus milleri* = *Lanecrinus milleri*

*Decadocrinus multinodosus* Goldring, 1923, p. 429, Pl. 55, figs. 7-11. Bassler and Moodey, 1943, p. 407. Kesling, 1964b, p. 140. Webster, 1973, p. 99.  
*Decadocrinus multinodus* Goldring, 1923. Moore, 1939b (sic), p. 243, Fig. 13, no. 8 (arm segment).  
Devonian, Givetian, Moscow Shale. United States, New York

*Decadocrinus multinodus* Goldring, 1923 = *Decadocrinus multinodosus*

*Decadocrinus multinodosus serratobrachiatus* Goldring, 1923. Bassler and Moodey, 1943, p. 407.  
*Decadocrinus multinodosus* var. *serratobrachiatus* Goldring, 1923, p. 431, Pl. 56, figs. 1-2 (typographical error as *D. multinodosus* var. *serratobrachiatus* on plate explanation).  
Devonian, Givetian, Moscow Shale. United States, New York

*Decadocrinus multinodosus* var. *serratobrachiatus* Goldring, 1923 = *Decadocrinus multinodosus serratobrachiatus*

*Decadocrinus nereus* (Hall, 1862). Goldring, 1923, p. 419, Pl. 54, figs. 11-15. Bassler and Moodey, 1943, p. 407. Moore and Laudon, 1944, p. 169, Pl. 64, fig. 16. Kesling, 1964b, p. 140. Webster, 1973, p. 99.

- Poteriocrinus nereus* Hall, 1862a, p. 93. Hall, 1862b, p. 121. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 407, 640.
- Poteriocrinus diffusus* Hall, 1862a, p. 93. Hall, 1862b, p. 121. Shumard, 1868, p. 391. Hall, 1872c, Pl. 1-A, fig. 1 (*non* fig. 2). Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 640.
- Poteriocrinus? diffusus* Hall, 1862. Goldring, 1923, p. 408, Pl. 54, fig. 1. Bassler and Moodey, 1943, p. 640.
- Poteriocrinites? diffusus* (Hall, 1862). Bassler and Moodey, 1943, p. 640. Devonian, Givetian, Moscow Shale. United States, New York
- Decadocrinus oaktrovensis* Webby, 1961, p. 539, Pl. 67, fig. 1. Kesling, 1964b, p. 140. Webster, 1973, p. 99. Devonian, Givetian, Ilfracombe Beds. United Kingdom
- Decadocrinus ornatus* Goldring, 1954, p. 30, Pl. 4, figs. 6-7. Kesling, 1964b, p. 140. Webster, 1973, p. 99. Devonian, Givetian, Moscow Shale. United States, New York
- Decadocrinus pachydactylus* Laudon, 1936, p. 64, Fig. 9. Bassler and Moodey, 1943, p. 407. Kesling, 1964b, p. 140. Webster, 1973, p. 99. Devonian, late Givetian, Cedar Valley limestone, Littleton Member. United States, Iowa
- Decadocrinus penicilliformis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 239 (163). Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 407. Kammer and Ausich, 1993, p. 622, Figs. 5.8-5.9.
- Poteriocrinus penicilliformis* Worthen, 1882, p. 9. Worthen, 1883, p. 276, Pl. 28, fig. 2. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 407. Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois
- Decadocrinus pleias* Wachsmuth and Springer, 1879 = *Hypselocrinus pleias*
- Decadocrinus regulatis* Strimple, 1939a, p. 276, Pl. 2, figs. 20-21. Bassler and Moodey, 1943, p. 407. Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma
- Decadocrinus repertus* Moore and Laudon, 1944 = *Ramulocrinus repertus*
- Decadocrinus rugistriatus* Goldring, 1923, p. 432, Pl. 55, figs. 1-5. Bassler and Moodey, 1943, p. 407. Devonian, Frasnian, West Hill Formation. United States, New York
- '*Decadocrinus*' *rugosus* Lane, Waters, and Maples, 1997, p. 35, Figs. 11.6, 15.2-15.4. Webster and Waters, 2009, p. 281, unfig.
- '*Decadocrinus*' *xinjiangensis* Lane, Waters, and Maples 1997, p. 39, Figs. 14, no. 9; 15, no. 13 only.

*Grabauicrinus rugosus* (Lane, Waters, and Maples 1997). Waters et al. 2003, p. 927.

Webster and Waters, 2009, p. 281.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uyghur Autonomous Region

\**Decadocrinus scalaris* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 120 (343). Weller, S., 1898c, p. 214. Moore, 1939b, p. 246. Bassler and Moodey, 1943, p. 407-408. Moore and Strimple *in* Moore and Teichert, 1978, p. T686, Fig. 452, nos. 1a-1b. Webster, 1986, p. 120. Lee, Ausich, and Kammer, 2005, p. 351, Figs. 2.12-2.13.

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) scalaris* Meek and Worthen, 1870a, p. 145. Bassler and Moodey, 1943, p. 407.

*Poteriocrinites (Scaphiocrinus) scalaris* Meek and Worthen, 1873, p. 421, Pl. 2, fig. 10. Bassler, 1938, p. 84. Bassler and Moodey, 1943, p. 408.

*Scaphiocrinus scalaris* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 214.

*Trapezopteron scalaris* (Meek and Worthen, 1870). Moore, 1939b, p. 246 (brachial).

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation; upper part of Burlington Limestone. United States, Iowa

*Decadocrinus spinobrachiatus* Goldring, 1938, p. 15, Pl. 2, figs. 1-2. Bassler and Moodey, 1943, p. 408.

Devonian, Frasnian, Hay River Formation. Canada, Northwest Territory

*Decadocrinus spinulifer* Laudon, 1936, p. 65, Figs. 10-12. Bassler and Moodey, 1943, p. 408. Moore and Laudon, 1944, p. 169, Pl. 60, fig. 12. Kesling, 1964b, p. 140. Webster, 1973, p. 100.

Devonian, late Givetian, Cedar Valley Limestone, Littleton Member. United States, Iowa

*Decadocrinus stellatus* Lane and Howell, 1986 = *Histocrinus? stellatus*

*Decadocrinus stewartae* Kier, 1952, p. 73, Pl. 3, figs. 4-5. Kesling, 1964b, p. 140.

Webster, 1973, p. 100. Kesling and Chilman, 1975, p. 163, Pls. 109, figs. 2-6; 115, fig. 9. Webster, 1986, p. 120.

Devonian, Givetian, Silica Formation. United States, Ohio

*Decadocrinus stimpsoni* (Lyon, 1869) = *Abrotocrinus coreyi*

*Decadocrinus subtortuosus* (Hall, 1863) = *Pachylocrinus subtortuosus*

*Decadocrinus trymensis* Wright, 1951 = *Lanecrinus trymensis*

*Decadocrinus tumidulus* (Miller and Gurley, 1893). Springer, 1900, p. 139, Pl. 16,

figs. 5-6. Delage and Herouard, 1903, p. 381. Springer, 1926, p. 92, Pl. 17, fig.

6. Bassler and Moodey, 1943, p. 408. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 3. Moore and Laudon, 1944, p. 169, Pl. 59, fig. 7. Van Sant *in* Van Sant and Lane, 1964, p. 92, Pl. 4, figs. 15-16. Webster, 1973, p. 100. Ubaghs *in* Moore and Teichert, 1978, p. T208, Fig. 175, no. 7. Moore and Strimple *in* Moore and Teichert, 1978, p. T686, Fig. 452, no. 1c. Webster, 1986, p. 120. Kammer and Ausich, 1993, p. 622. Kammer and Ausich, 2006, p. 240, Fig. 2, no. C.
- Cyathocrinus tumidulus* Miller and Gurley, 1893, p. 31, Pl. 3, fig. 7. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 204. Bassler and Moodey, 1943, p. 408.
- Decadocrinus grandis* Wachsmuth and Springer, 1897, p. 138, Pl. 7, figs. 4-5. Bassler and Moodey, 1943, p. 408. Kammer and Ausich, 1993, p. 622. Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana
- “Decadocrinus” usitatus* Lane, Waters, and Maples, 1997, p. 39, Figs. 13.5, 13.7-13.12, 15.5-15.12. Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region
- Decadocrinus vintonensis* Thomas, A. O., 1924, p. 479, Pl. 45, fig. 1. Bassler and Moodey, 1943, p. 408. Kesling, 1964b, p. 140. Webster, 1973, p. 100. Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa
- Decadocrinus wrightae* Goldring, 1954, p. 32, Pl. 4, figs. 8-9. Kesling, 1964b, p. 140. Webster, 1973, p. 100. Devonian, Givetian, Arkona Shale. Canada, Ontario
- Decadocrinus wrightae silicaensis* Kesling, 1971c, p. 288, Pl. 1, fig. 3. Kesling and Chilman, 1975, p. 163, Pl. 41, fig. 6. Webster, 1977, p. 64. Webster, 1986, p. 120. Devonian, Givetian, Silica Formation. United States, Ohio
- “Decadocrinus” xinjiangensis* Lane, Waters, and Maples, 1997 (part) = *Graubaucrinus xinjiangensis*
- ‘Decadocrinus’ xinjiangensis* Lane, Waters, and Maples 1997 (part) = *‘Decadocrinus’ rugosus*
- Decadocrinus?* sp. 1 Wright, J., 1951b, p. 62, Pl. 13, fig. 9. Webster, 1973, p. 100. Ausich and Sevastopulo, 2001, p. 121. Mississippian, series not given. Ireland
- Decadocrinus?* sp. 2 Wright, J., 1951b, p. 62, Pl. 13, fig. 8. Webster, 1973, p. 100. Ausich and Sevastopulo, 2001, p. 121. Mississippian, series not given. Ireland
- Decadocrinus* sp. Hou, et al., 1994, p. 8, Pl. 2, fig. 3. Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

?*Decadocrinus* sp. indet. Hauser, 2003, Pl. 5, fig. 8.  
Devonian, Frasnian, Neuville Formation. Belgium

**DECOROCRINUS** McIntosh, 2001. \**Botryocrinus arkonensis* Goldring, 1950.  
Sbc. Cladida, Infc. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrininida, Spf.  
Glossocrinoidea, F. Rutkowskicrinidae  
McIntosh, 2001, p. 797. Webster et al., 2003, p. 14.  
Named, currently recognized species based on cups or crowns: 2 Devonian,  
Givetian species  
Devonian, Givetian. North America

\**Decorocrinus arkonensis* (Goldring, 1950). McIntosh, 2001, p. 797, Figs. 10, 11.2-11.9.  
*Botryocrinus arkonensis* Goldring, 1950. McIntosh, 2001, p. 797.  
Devonian, Givetian, Arkona Shale, *Polygnathus hemiansatus* Biozone. Canada, Ontario

*Decorocrinus cooperi* (Goldring, 1926). McIntosh, 2001, p. 798, Fig. 11.1.  
*Charientocrinus? cooperi* Goldring, 1926, p. 89, Pl. 1, figs. 1-3; Fig. 1. Bassler and Moodey, 1943, p. 361. McIntosh, 2001, p. 798.  
Devonian, Givetian, Hamilton Group, Ludlowville Formation, Centerfield Member; Chenango Sandstone. United States, New York

**DELGADOCRINUS** Ausich, Sá, and Gutiérrez-Marco, 2007 \**Delgadocrinus oportovinum* Ausich, Sá, and Gutiérrez-Marco, 2007  
Sbc. Camerata, O. Monobathrida, Spf. incertae sedis, F. Delgadocrinidae  
Ausich, Sá, and Gutiérrez-Marco, 2007, p. 1379.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species  
Ordovician, Darriwilian (Arenigian). Portugal

\**Delgadocrinus oportovinum* Ausich, Sá, and Gutiérrez-Marco, 2007, p. 1380, Figs. 3, 4, 5.1-5.4, 5.6, 5.7, 6.1, 6.2.  
Ordovician, Darriwilian (Arenigian), Oretanian Beds, Valongo Formation. Portugal

Delocrinid Pabian and Strimple, 1985, p. 33, Fig. 15, nos. A-J. Webster, 1988, p. 67.  
No stratigraphic data, diagramatic

**DELOCRINUS** Miller and Gurley, 1890. \**D. subhemisphericus* Moore and Plummer, 1940.  
Sbc. Cladida, Infc. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae  
Miller and Gurley, 1890a, p. 9. Miller and Gurley, 1890b, p. 9. Miller, S. A., 1892a, p. 677. Zittel, 1895, p. 137. Bather, 1899a, p. 32. Bather *in* Lankester, 1900, p. 180. Springer *in* Zittel, 1913, p. 225. Wanner, 1916, p. 186. Bassler, 1938, p. 84. Moore and Plummer, 1938, p. 288. Moore and Plummer, 1940, p. 250. Moore and Strimple, 1941, p. 1. Bassler and Moodey, 1943, p. 408. Moore and Laudon,

- 1943b, p. 60, Fig. 8. Moore and Laudon, 1944, p. 171, Pl. 62, fig. 25. Branson, C., 1948, p. 189. Moore, 1962b, p. 8, Fig. 1, no. 4. Knapp, 1969, p. 367. Moore and Strimple, 1970, p. 202. Strimple and Moore, 1971e, p. 33. Lane and Webster, 1971, p. 75. Strimple and Cocke, 1973, p. 155. Webster, 1973, p. 100. Strimple, 1977f, p. 157. Webster, 1977, p. 64. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T716. Pabian and Strimple, 1980a, p. 171. Strimple, 1981a, p. 272. Pabian and Strimple, 1985, p. 36. Webster, 1986, p. 121. Webster, 1988, p. 67. Pabian, *et al.*, 1989, p. 300, Fig. 5, no. 6. Pabian and Strimple, 1993, p. 16. Webster, 1993, p. 48. Pabian and Rushlau, 2002, p. 17. Thomka *et al.*, 2012, p. 475, *Fi*
- ASACOCRINUS** Wanner, 1949, p. 55. \**Delocrinus? malaianus* Wanner, 1916, p. 207. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. 716.
- CATACRINUS** Knapp, 1969, p. 365. \**D. subhemisphericus* Moore and Plummer, 1940. Strimple and Moore, 1971c, p. 3. Webster, 1977, p. 64. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T716.
- CERIOCRINUS** White, C. A., 1880b (non Koenig, 1825), p. 128. White, C. A., 1883a, p. 128. Wachsmuth and Springer, 1883b, p. 375, Fig. Fig. 10.
- Wachsmuth  
and Springer, 1886, p. 253 (177). Miller, S. A., 1889, p. 231. Bather, 1890b, p. 325. Zittel, 1895, p. 137. Weller, S., 1898c, p. 171. Wachsmuth *in* Zittel, 1900, p. 161. Grabau and Shimer, 1910, p. 513. Wanner, 1924, p. 180, 237. Diener, 1927, p. 11. Schmidt, H., 1929, p. 85. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 408.
- WEWOKACRINUS** Knapp, p. 169, p. 361. \**Delocrinus wewokaensis* Strimple, 1940. Strimple and Moore, 1971c, p. 3. Webster, 1977, p. 64. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T716.
- PALMATOCRINUS** Knapp, 1969, p. 363, Fig. 3. \**Delocrinus ponderosus* Strimple, 1949. Webster, 1977, p. 121. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T716.
- ENDELOCRINUS** Moore and Plummer, 1940. Pabian and Rushlau, 2002, p. 17.
- Note:** Pabian and Rushlau place *Endelocrinus* in the synonymy of *Delocrinus* with which I agree. However, they did not transfer the species assigned to *Endelocrinus* to *Delocrinus*. Neither did they discuss the placement of *Corythocrinus* in synonymy with *Endelocrinus* nor *Delocrinus*. Additional comments are needed to explain their interpretation of these taxa. Thus, the species are left as previously assigned until such information is available.
- Named, currently recognized species based on cups or crowns: 26 species, 1 subspecies. 2 Mississippian, 1 Viséan, 1 Serpukhovian; 17 Pennsylvanian, 2 Morrowan, 1 Taiyuan, 1 Desmoinesian, 3 Missourian, 2 Missourian – Virgilian, 7 Virgilian, 1 Late Pennsylvanian series not designated; 7 Permian, 1 Artinskian, 4 Wolfcampian, 2 series uncertain (+1 subspecies, series uncertain)
- Mississippian, Serpukhovian (Chesterian) - Early Permian, Wolfcampian. United States
- Pennsylvanian, Taiyuan. China
- Permian, Artinskian. Bolivia



Permian, series uncertain. West Timor

*Delocrinus abruptus* Moore and Plummer, 1940 = *Arrectocrinus abruptus*

*Delocrinus admirensis* Strimple, 1963 = *Subarrectocrinus admirensis*

*Delocrinus allegheniensis* Burke, 1932 = *Endelocrinus allegheniensis* = *Tholiacrinus allegheniensis* = *Graffhamicrinus allegheniensis*

*Delocrinus aristatus* Strimple, 1949 = *Graffhamicrinus aristatus* = *Diphuicrinus aristatus*

*Delocrinus armatura* Strimple, 1949 = *Endelocrinus armatura* = *Graffhamicrinus armatura*

*Delocrinus benthobatus* Moore and Plummer, 1940 = *Graffhamicrinus benthobatus*

*Delocrinus beyrichi* Wanner, 1916 = *Graphiocrinus? beyrichi*

*Delocrinus beyrichi nustoiensis* Wanner, 1916 = *Graphiocrinus verbeeki*

*Delocrinus beyrichi* var. *nustoiensis* Wanner, 1916 = *Delocrinus beyrichi nustoiensis* = *Graphiocrinus verbeeki*

*Delocrinus bispinosus* Moore and Plummer, 1940 = *Graffhamicrinus bispinosus*

*Delocrinus brookensis* Burke, 1970 = *Graffhamicrinus brookensis*

*Delocrinus brownsvillensis* Strimple, 1949d, p. 22, Pl. 4, figs. 1-4. Knapp, 1969, p. 363. Pabian and Strimple, 1973a, p. 17, Figs. 1-2. Strimple, 1973a, p. 17, Figs. 1, nos. A-E; 2, nos. A-B. Webster, 1973, p. 100. Pabian and Strimple, 1974b, p. 14, 32, Figs. 5, nos. 10-12; 14, nos. 1-4. Webster, 1977, p. 64. Webster, 1986, p. 121.

*Graffhamicrinus brownsvillensis* (Strimple, 1949). Knapp, 1969, p. 363. Webster, 1977, p. 64.

*Delocrinus vulgatus* Moore and Plummer, 1940, Pl. 18, fig. 2 only. Pabian and Strimple, 1973, p. 17. Webster, 1977, p. 64.

Pennsylvanian, Virgilian, Brownville Limestone; Root Formation, Jim Creek Member. United States, Oklahoma, Kansas

*Delocrinus bullatus* Moore and Plummer, 1940 = *Tholiacrinus bullatus* = *Graffhamicrinus bullatus*

*Delocrinus conicus* Boos, 1929, p. 245, Pl. 27, figs. 1-1b, 1d. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190.

Permian, Wolfcampian, Luta Limestone. United States, Kansas

*Delocrinus convexus* Strimple, 1940 = *Lecobasicrinus convexus* = *Ampelocrinus convexus*

*Delocrinus craigii* (Worthen, 1875). Miller and Gurley, 1890a, p. 11. Miller and Gurley, 1890b, p. 11. Miller, S. A., 1892a, p. 677. Bassler and Moodey, 1943, p. 409. Knapp, 1969, p. 365. Webster, 1977, p. 65. Pabian and Rushlau, 2002, p. 17.  
*Eupachyrcrinus craigii* Worthen, 1875, p. 527, Pl. 32, fig. 1. Miller, S. A., 1889, p. 245. Lesley, 1889, p. 932, Figs. 5a-5b. Miller, S. A., 1892a, p. 678. Weller, S., 1898c, p. 171. Bassler and Moodey, 1943, p. 409. Webster, 1977, p. 65.  
*Ceriocrinus craigii* (Worthen, 1875). Weller, S., 1898c, p. 171.  
*Catacrinus craigii* (Worthen, 1875). Knapp, 1969, p. 365. Webster, 1977, p. 65.  
 Late Pennsylvanian, series uncertain. United States, Illinois, Indiana, Iowa, New Mexico

*Delocrinus crassus* (Wanner, 1924) = *Graphiocrinus crassus*

*Delocrinus densus* Strimple, 1963 = *Subarrectocrinus densus*

*Delocrinus depressus* Wanner, 1916 = *Graphiocrinus? depressus*

*Delocrinus doveri* Strimple, 1963a, p. 70, Pl. 12, figs. 13-16. Knapp, 1969, p. 365. Webster, 1973, p. 100. Webster, 1977, p. 65.  
*Catacrinus doveri* (Strimple, 1963). Knapp, 1969, p. 365. Webster, 1977, p. 65.  
 Pennsylvanian, Virgilian, Dover Limestone. United States, Kansas

*Delocrinus dubius* Mather, 1915 = *Paradelocrinus dubius* = *Arkacrinus dubius*

*Delocrinus* cf. *D. dubius* Mather, 1915. Elias, 1957, p. 385, Pl. 41, fig. 3.  
 Mississippian, Serpukhovian (Chesterian), Goddard Shale, Redoak Hollow Member.  
 United States, Oklahoma

*Delocrinus elongatus* Strimple, 1977f, p. 161, Fig. 1, nos. B-C. Webster, 1986, p. 121.  
 Pennsylvanian, Virgilian, Bransdall Formation. United States, Oklahoma

*Delocrinus excavatissimus* Wanner, 1916 = *Graphiocrinus? excavatissimus*

*Delocrinus excavatus* Weller, 1909 = *Perimestocrinus excavatus*

*Delocrinus expansus* Wanner, 1916 = *Oklahomacrinus expansus*

*Delocrinus extraneous* Strimple, 1949. Pabian and Rushlau, 2002, p. 17.  
 Pennsylvanian, Virgilian. United States, Kansas

*Delocrinus extraneous* Strimple, 1949 = *Graffhamicrinus extraneous* = *Delocrinus extraneous*

*Delocrinus fayettensis* Miller and Gurley, 1890 = *Endelocrinus fayettensis*

*Delocrinus granulosus* Moore and Plummer, 1940 = *Graffhamicrinus granulosus*

*Delocrinus granulosus* var. *moniliformis* Moore and Plummer, 1940 = *Graffhamicrinus granulosus moniliformis*

*Delocrinus granulosus* var. *zonatus* Moore and Plummer, 1940 = *Graffhamicrinus granulosus zonatus*

*Delocrinus graphicus* Moore and Plummer, 1940 = *Graffhamicrinus graphicus*

*Delocrinus harshbergeri* (Beede, 1902). Bassler and Moodey, 1943, p. 410.

*Ceriocrinus harshbergeri* Beede, 1902, p. 147, Pl. 5, figs. 1-2. Bassler and Moodey, 1943, p. 410.

Pennsylvanian, Virgilian, Osage City Shale. United States, Kansas

*Delocrinus hemisphericus* (Shumard, 1858). Miller, S. A., 1892a, p. 677, Fig. 1223.

Weller, S., 1898c, p. 171. Girty, 1915a, p. 34, Pl. 3, figs. 9-9a (radial plate).

Boos, 1929, Pl. 27, figs. 1c-1d. Bassler and Moodey, 1943, p. 410. Branson, C.

C., 1948, p. 190. Knapp, 1969, p. 367. Moore and Strimple, 1970, p. 202, Pl. 4,

figs. 1-3. Strimple and Moore, 1971d, p. 19. Strimple and Moore, 1971e, p. 33.

Pabian and Strimple, 1974a, p. 263, Pl. 33, figs. 15-17. Pabian and Strimple,

1974b, p. 12, 21, 32, Figs. 5, nos. 7-9; 8, nos. 1-7; 14, no. 5. Strimple, 1977f, p.

158, Fig. 1, nos. A, D-E, H. Webster, 1977, p. 65. Moore, Strimple, and Lane *in*

Moore and Teichert, 1978, p. T717, Fig. 473, nos. 2a-2g. Pabian and Strimple,

1980a, p. 173, fig. 10, nos. A-G. Pabian and Strimple, 1980b, p. 11, Pl. 3, figs. 1-

3. Webster, 1986, p. 121. Baumiller and Gahn, 2003, p. 274, Fig. 3, no. A.

*Poteriocrinus hemisphericus* Shumard, 1858, p. 221. Weller, S., 1898c, p. 171.

Bassler, 1938, p. 84. Bassler and Moodey, 1943, p. 410. Knapp, 1969, p. 367.

Moore and Strimple, 1970, p. 202. Lane and Webster, 1971, p. 75. Melville,

1974, p. 153. Lane and Webster, 1977, p. 65.

*Scaphiocrinus? hemisphericus* (Shumard, 1858). Meek, 1872c, p. 147, Pls. 5, fig.

1; 7, fig. 1. Bassler and Moodey, 1943, p. 410.

*Poteriocrinites (Scaphiocrinus?) hemisphericus* (Shumard, 1858). Meek and

Worthen, 1873, p. 561, Pl. 24, fig. 5. Bassler and Moodey, 1943, p. 410.

*Eupachycrinus hemisphericus* (Shumard, 1858). Miller, S. A., 1889, p. 245. Miller, S.

A., 1892a, p. 678.

*Delocrinus hemisphericus?* (Shumard, 1858). Plummer and Moore, 1921, p. 79,

Pl. 13, figs. 6-7. Bassler and Moodey, 1943, p. 410. Heuer, 1958, p. 41, Pl. 2,

fig. 5a (plate printed upside down and incorrectly numbered, originally printed

by Plummer and Moore, 1921, as Pl. 23, fig. 19). Webster, 1973, p. 101.

*Ceriocrinus hemisphericus* (Shumard, 1858). Grabau and Shimer, 1910, p. 513,

Fig. 1830. Schmidt, H., 1929, p. 85, Pl. 21, fig. 2.

*Ceriocrinus hemisphericus* Keyes, 1894a, p. 220, Pl. 28, figs. 2, 5. Weller, S.,

1898c, p. 171. Bassler and Moodey, 1943, p. 412.

Pennsylvanian, Missourian - Virgilian, Cisco Formation; Harpersville Formation.

United States, Missouri, Kansas, Illinois, Iowa, Texas, Oklahoma

*Delocrinus hemisphericus* Miller and Gurley, 1890 (*non* Shumard) = *Delocrinus subhemisphericus*

*Delocrinus hemisphericus?* Shumard, 1858 = *Delocrinus hemisphericus*

*Delocrinus houkouensis* (Tien, 1926). Bassler and Moodey, 1943, p. 410. Webster, 1977, p. 65. (This form is not a *Delocrinus* as considered by Bassler and Moodey, 1943, p. 410. N. Gary Lane looked at types in 1995 and considered that they were assembled from disarticulated ossicles, from multiple specimens. GDW looked at the specimens in 2009 and thought that they fit together to form

a

single specimen.)

*Ceriocrinus houkouensis* Tien, 1924, p. 34 (listed). Bassler and Moodey, 1943, p. 410.

*Graphyocrinus? houkouensis* Tien, 1926, p. 41, Pls. 2, figs. 5a-5b; 3, figs. 3a-3c. Fig. 7. Bassler and Moodey, 1943, p. 410.

*Graphiocrinus houkouensis* (Tien, 1924). Branson, C. C., 1948, p. 194. Tien and Mu, 1955, p. 93, Pl. 49, figs. 10-13; Fig. 35. Wang *et al.*, 1956, p. 464, 4 Unnum. Figs. Webster, 1977, p. 65. Tianjin Institute of Geology and Mineral Resources, 1985, p. 511, Fig. 32.

Pennsylvanian, Taiyuan Series. Northern China, Hebei

*Delocrinus inflexus* (Geinitz, 1866) = *Subarrectocrinus inflexus*

*Delocrinus inflexus* Miller and Gurley, 1890 = *Paradelocrinus inflexus* = *Subarrectocrinus inflexus*

*Delocrinus magnificus* Strimple, 1947 = *Graffhamicrinus magnificus*

*Delocrinus major* Weller, 1909 = *Metarrectocrinus major* = *Arrectocrinus major*

*Delocrinus? malaianus* Wanner, 1916, p. 202, Pl. 107 (12), fig. 8; Fig. 53. Bassler and Moodey, 1943, p. 410. Branson, C. C., 1948, p. 190. Wanner, 1949a, p. 31. Webster, 1973, p. 101.

Permian, series uncertain. West Timor, between Niki Niki and Noil Fatoe

*Delocrinus matheri* Moore and Plummer, 1938 = *Endelocrinus matheri* = *Paradelocrinus matheri*

*Delocrinus* cf. *D. matheri* Moore and Plummer, 1940. Branisa, 1965, Pl. 55, fig. 16. Webster, 1977, p. 65.

Permian, Artinskian, Copacabana Group. Bolivia

*Delocrinus* cf. *D. matheri* Moore and Plummer, 1938. Washburn, 1968, p. 124, Pl. 3, figs. 1-3. Webster, 1973, p. 101.

Pennsylvanian, Morrowan, Oquirrh Formation. United States, Utah

*Delocrinus mckinleyvillensis* Burke, 1973, p. 189, Fig. 1. Webster, 1977, p. 66.  
Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

*Delocrinus megalobrachus* (Beede, 1899) = *Graffhamicrinus megalobrachus*

*Delocrinus milleri* Croneis, 1930, p. 71, Pl. 18, fig. 15. Webster, 1973, p. 101.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
Arkansas

*Delocrinus missouriensis* Miller and Gurley, 1890 = *Catacrinus missouriensis* =  
*Eperisocrinus missouriensis*

*Delocrinus nodosarius* Strimple, 1939 = *Graffhamicrinus nodosarius*

*Delocrinus papulosus* Moore and Plummer, 1940 = *Catacrinus papulosus* =  
*Graffhamicrinus papulosus* = *G. nodosarius*

*Delocrinus parinodosarius* Strimple, 1940 = *Endelocrinus parinodosarius* =  
*Graffhamicrinus parinodosarius*

*Delocrinus paucinodus* Moore and Plummer, 1940 = *Corythocrinus parinodosarius* =  
*Tholiacrinus parinodosarius* = *Graffhamicrinus paucinodus*

*Delocrinus pendens* Moore and Plummer, 1938. Pabian and Rushlau, 2002, p. 17.  
*Delocrinus? pendens* Moore and Plummer, 1938, p. 292, Fig. 33. Bassler and  
Moodey, 1943, p. 411.

*Acantharthropterum pendens* Moore and Plummer, 1938. Moore and Plummer,  
1940, p. 25. Bassler and Moodey, 1943, p. 411.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma,  
Arkansas

*Delocrinus? pendens* Moore and Plummer, 1938 = *Delocrinus pendens*

*Delocrinus pentanodus* Mather, 1915 = *Utharocrinus pentanodus*

*Delocrinus? perexcavatus* Moore and Plummer, 1940 = *Subarrectocrinus perexcavatus*

*Delocrinus pictus* Moore and Plummer, 1940 = *Graffhamicrinus pictus*

*Delocrinus planus* White, 1880 = *Sublobalocrinus planus*

*Delocrinus ponderosus* Strimple, 1949d, p. 23, Pl. 4, figs. 5-8. Knapp, 1969, p. 363.  
Webster, 1973, p. 101. Webster, 1977, p. 121. Pabian and Rushlau, 2002, p. 17.  
Webster and Kues, 2006, p. 18, Figs. 6.21-6.23.

\**Palmatocrinus ponderosus* (Strimple, 1949). Knapp, 1969, p. 363. Webster, 1977,  
p. 121.

Pennsylvanian, Virgilian, Brownville Limestone; Madera Group, Jemez Springs

Shale. United States, Oklahoma, New Mexico

- Delocrinus priscus* (Rowley, 1903). Bassler and Moodey, 1943, p. 410.  
*Ceriocrinus? priscus* Rowley, R. R., 1903f, p. 161, Pl. 47, figs. 14-16, 26.  
 Bassler and Moodey, 1943, p. 411.  
 Mississippian, Viséan (Chesterian), Chester Limestone. United States,  
 Tennessee
- Delocrinus puebloensis* Moore and Plummer, 1940, p. 288, Pl. 15, fig. 7. Bassler and  
 Moodey, 1943, p. 411. Branson, C. C., 1948, p. 190.  
 Permian, Wolfcampian, Putnam Formation. United States, Texas
- Delocrinus quadratus* Moore and Plummer, 1940, p. 294, Pls. 14, fig. 8; 15, fig. 8; Fig.  
 61. Bassler and Moodey, 1943, p. 411. Moore and Laudon, 1944, p. 173, Pl.  
 65, fig. 9. Branson, C. C., 1948, p. 190. Webster, 1973, p. 101.  
 Permian, Wolfcampian, Cibolo Limestone. United States, Texas
- Delocrinus rotundatus* Wanner, 1916 = *Graphiocrinus? rotundatus*
- Delocrinus rugosus* (Shumard, 1858), non Wanner, 1916. Moore and Plummer, 1940,  
 p. 255. Bassler and Moodey, 1943, p. 411.  
*Poteriocrinus rugosus* Shumard, 1858, p. 223. Shumard and Swallow, 1858, p.  
 223. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 477. Bassler and Moodey,  
 1943, p. 411.  
 Pennsylvanian, Morrowan. United States, Missouri
- Delocrinus rugosus* Wanner, 1916, non Shumard, 1858 = *Graphiocrinus? rugosus* =  
*Apographiocrinus rugosus*
- Delocrinus segedii* Burke, 1974b, p. 2, Figs. 1-8. Webster, 1986, p. 122. Pabian and  
 Rushlau, 2002, p. 17.  
 Pennsylvanian, Missourian, Conemaugh Group, Ames Limestone. United States,  
 Ohio
- Delocrinus separatus* Strimple, 1949 = *\*Pyndaxocrinus separatus*
- Delocrinus serratmarginatus* (Yakovlev, 1930). Bassler and Moodey, 1943, p. 412.  
 Branson, C. C., 1948, p. 191. Arendt and Hecker, 1964, p. 89, Pl. 12, fig. 3.  
 Webster, 1973, p. 101.  
*Ceriocrinus serratmarginatus* Yakovlev, 1930a, p. 96, 102, Pl. 1, figs. 7a-7c.  
 Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 191. Yakovlev in  
 Yakovlev and Ivanov, 1956, p. 64, Pl. 11, fig. 11. Webster, 1973, p. 101.  
 Permian, Artinskian. Russia, Krasnooufimsk
- Delocrinus somersi* (Whitfield, 1882) = *Graffhamicrinus somersi*

*Delocrinus stullensis* Strimple, 1947 = *Graffhamicrinus stullensis* = \**Cathetocrinus stullensis*

*Delocrinus subcoronatus* Moore and Plummer, 1940 = *Graffhamicrinus subcoronatus*

\**Delocrinus subhemisphericus* Moore and Plummer, 1940, p. 253, 258, Pls. 11, fig. 4; 20, fig. 3; Figs. 56-57. Bassler and Moodey, 1943, p. 412. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 30; 65, fig. 7. Strimple, 1949b, p. 123, Pl. 4, figs. 8-15. Knapp, 1969, p. 365. Strimple and Moore, 1971d, p. 19, Fig. 7, nos. 1-7. Webster, 1973, p. 102. Webster, 1977, p. 65. Ubaghs *in* Moore and Teichert, 1978, p. T100, T132, Figs. 74, no. 5; 102, no. 7. Pabian and Strimple, 1985, p. 36. Webster, 1986, p. 122. Webster, 1988, p. 67. Finsley, 1989, p. 96, Fig. 323. Pabian and Strimple, 1993, p. 16, Figs. 6, nos. a, f-h; 7, nos. a-e. Webster and Kues, 2006, p. 18, Figs. 4.22-4.24. Thomka et al., 2011, p. 381, Fig. 1, no. C. *Catacrinus subhemisphericus* (Moore and Plummer, 1940). Knapp, 1969, p. 365. Webster, 1977, p. 65.

*Delocrinus hemisphericus* Miller and Gurley, 1890a (*non* Shumard, 1858), p. 12, Pl. 2, figs. 8-10. Miller and Gurley, 1891, p. 335, 370, Pls. 2, fig. 8; 10, fig. 5. Weller, S., 1898c, p. 171. Bassler and Moodey, 1943, p. 412.

Pennsylvanian, Missourian, ?Virgilian, Iola Limestone, Lane Shale; South Bend Limestone; Madrea Group, Jemez Springs Shale. United States, Kansas, Missouri, Nebraska, Texas, New Mexico

*Delocrinus* aff. *D. subhemisphericus* Moore and Plummer, 1940, Washburn, 1968 = *Stenopecrinus* sp.

*Delocrinus* cf. *D. subhemisphericus* Moore and Plummer, 1940. Branisa, 1965, Pl. 55, fig. 6. Webster, 1977, p. 66.

Permian, Artinskian, Copacabana Group. Bolivia

*Delocrinus* sp. cf. \**D. subhemisphericus* Moore and Plummer, 1940. Pabian and Strimple, 1985, p. 40, Figs. 18, nos. b-d; 27, no. a. Webster, 1988, p. 68. Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas

*Delocrinus texanus* Weller, 1909 = *Endelocrinus texanus* = *Metarrectocrinus texanus* = *Arrectocrinus texanus*

*Delocrinus titicara* Strimple and Moore, 1971 = *Endelocrinus titicara*

*Delocrinus tumidus* Strimple, 1939 (part) = *Tholiacrinus tumidus* = *Endelocrinus tumidus*

*Delocrinus tumidus* Strimple, 1939 (part) = *Endelocrinus tumidus spinosus*

*Delocrinus vastus* Lane and Webster, 1966, p. 45, Pl. 12, figs. 1-2, 5. Webster and Lane, 1967, p. 24, Pl. 8, fig. 6. Webster, 1973, p. 102. Pabian and Strimple, 1974a, p. 303, Pl. 40, fig. 7. Pabian and Strimple, 1978b, p. 1393, Fig. 1. Webster, 1986, p. 122. Pabian and Rushlau, 2002, p. 17.

Pennsylvanian, Missourian, Permian, Wolfcampian, Bird Spring Formation; Hughes Creek Shale, Grant Shale Member; Winfield Limestone. United States, Nevada, Nebraska, Kansas

*Delocrinus verbeeki* Wanner, 1916 = *Ceriocrinus verbeeki* = *Graphiocrinus verbeeki*

*Delocrinus verbeeki levis* Wanner, 1916 = *Graphiocrinus verbeeki*

*Delocrinus verbeeki* var. *levis* Wanner, 1916 = *Delocrinus verbeeki levis* = *Graphiocrinus verbeeki*

*Delocrinus verbeeki* var. *pumila* Wanner, 1916 = *Graphiocrinus pumilus* = *Apographiocrinus pumilus*

*Delocrinus verbeeki vermistriatus* Wanner, 1916, p. 193, Pl. 107 (12), fig. 7. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 191.  
Permian, series uncertain. West Timor, Basleo

*Delocrinus verus* Moore and Plummer, 1940, p. 283, Pl. 13, fig. 3. Bassler and Moodey, 1943, p. 412. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 6. Strimple, 1960b, p. 153, Fig. 2, no. F. Knapp, 1969, p. 363. Webster, 1973, p. 102. Webster, 1977, p. 94. Pabian and Rushlau, 2002, p. 17.  
*Graffhamicrinus verus* (Moore and Plummer, 1940). Knapp, 1969, p. 363. Webster, 1977, p. 94.  
Pennsylvanian, Missourian, Palo Pinto Limestone; Dennis Limestone, Winterset Limestone Member. United States, Texas, Oklahoma, Kansas

*Delocrinus verus* Moore and Plummer, 1940 = *Graffhamicrinus verus* = *Delocrinus verus*

*Delocrinus* sp. cf. *D. verus* Moore and Plummer, 1940. Strimple and Cocke, 1973, p. 155. Webster, 1977, p. 66.  
Pennsylvanian, Missourian, Winterset Limestone. United States, Oklahoma

*Delocrinus vulgatus* Moore and Plummer, 1940 = *Subarrectocrinus vulgatus*

*Delocrinus vulgatus* Moore and Plummer, 1940 (part) = *Delocrinus brownvillensis*

*Delocrinus* sp. cf. *D. vulgatus* Moore and Plummer, 1940. Pabian and Holterhoff, 1988, p. 83, Fig. 1, nos. C-D. Webster, 1993, p. 49.  
Pennsylvanian, Virgilian, Calhoun Shale. United States, Kansas

*Delocrinus* sp. cf. *D. vulgatus* Moore and Plummer, 1940. Pabian and Strimple, 1993, p. 16, Fig. 7, nos. f-h.  
Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Nebraska



*Delocrinus waughi* Moore and Strimple, 1941 = *Graffhamicrinus waughi*

*Delocrinus wewokaensis* Strimple, 1940b, p. 105, Pl. 9, figs. 2, 4, 6. Bassler and Moodey, 1943, p. 413. Knapp, 1969, p. 361. Webster, 1977, p. 66.

*Wewokacrinus wewokaensis* (Strimple, 1940). Knapp, 1969, p. 361.

*Wewokaensis wewokaensis* (Strimple, 1940). Webster, 1977, p. 66 (sic).

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Delocrinus wolforum* Moore and Plummer, 1940 = *Lobalocrinus wolforum* = *Graffhamicrinus wolforum*

*Delocrinus* crinoid Schneider, Sprinkle, and Ryder, 2005, p. 746, Figs. 2-3. Pennsylvanian, Missourian, Winchell Formation. United States, Texas

*Delocrinus* sp. undet. Thomas, A. O., 1923, p. 473, Pl. 1, figs. 8-11. (Primibrachials) Pennsylvanian, Desmoinesian, Henrietta Formation. United States, Iowa

*Delocrinus* sp. undet. Thomas, A. O., 1923, p. 473, Pl. 1, figs. 12-15 (called *Hydreionocrinus* sp. undet. on plate explanation). (Tegmen spine plates) Pennsylvanian, Desmoinesian, Henrietta Formation. United States, Iowa

*Delocrinus* spp.

Girty, 1915a, p. 36, Pl. 3, figs. 10-10a.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma  
Easton, 1942, p. 84, Pl. 2, fig. 15.

Mississippian, Serpukkhovian (Chesterian), Pitkin Limestone. United States, Arkansas

Strimple, 1951a, p. 200, Pl. 36, figs. 1-4. Webster, 1973, p. 102.

Pennsylvanian, Missourian, Lake bridgeport Shale. United States, Texas  
Devonshire, 1954, Pl. 2, figs. 7, 17. Devonshire, 1955, Pl. 2, figs. 7, 17. Webster, 1977, p. 67.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

Heuer, 1958, p. 41, Pl. 2 (incorrect explanation for plate), fig. 7 (brachial), fig. 8 (brachial), fig. 9 (radial), fig. 12 (brachial). Webster, 1973, p. 273.

Permian, Wolfcampian, Harpersville Formation. United States, Texas

White, E., 1964, Figs. 16, 18. Webster, 1977, p. 67.

Pennsylvanian. United States, Nebraska, Iowa

Scheffel, 1968, p. 105, Pl. 3, fig. 4. Webster, 1977, p. 67.

Pennsylvanian, Desmoinesian, Brereton Limestone. United States, Illinois

Smith *et al.*, 1970, p. 32, Pl. 2, unnum. fig. Webster, 1988, p. 68.

Pennsylvanian. United States, Illinois

Webster and Lane, 1970, p. 289, Pl. 56, figs. 13, 17. Webster, 1977, p. 67.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

Priest, 1971, p. 92, Pl. 1, fig. 1. Webster, 1977, p. 67.

No age or locality given

Strimple and Moore, 1971d, p. 19, Fig. 8, nos. 1-4. Webster, 1977, p. 67.

Pennsylvanian, Missourian, Lane Shale. United States, Kansas

- Collinson *et al.*, 1972, p. 28, Pl. 2. Webster, 1986, p. 122.  
Pennsylvanian, Missourian, Bond Formation, La Salle Limestone Member.  
United States, Illinois
- Melton, 1972, p. 71, Pl. 5, figs. 12, 15. Webster, 1986, p. 122.  
Pennsylvanian, Virgilian?, upper part of Honaker Trail Formation. United States, Utah
- Pabian and Strimple, 1974a, p. 267, Pl. 33, figs. 6-8. Webster, 1986, p. 122.  
Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone.  
United States, Nebraska
- Pabian and Strimple, 1978a, p. 49, Figs. 1, nos. I-J, P-Q; 3, nos. A-N; 4, nos. I-L; 5, nos. P-S. Webster, 1986, p. 123.  
Pennsylvanian, Missourian - Virgilian, Deer Creek Formation, South Bend Limestone; Wann formation; Sarpy Formation; Kiewitz Shale. United States, Nebraska, Oklahoma
- Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. 717, Fig. 473, no. 2h. Webster, 1986, p. 123.  
Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma
- Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. 717, Fig. 473, nos. 2I-2j. Webster, 1986, p. 123.  
Permian, Wordian, Word Formation. United States, Texas
- Ausich, 1996b, p. 249, Fig. 17-7, nos. 8, 11.  
Pennsylvanian, Missourian, Conemaugh Group, Brush Creek Limestone. United States, Ohio
- Baumiller and Gahn, 2003, p. 274, Fig. 3, no. B.  
Pennsylvanian. United States, Texas
- Webster and Kues, 2006, p. 18.  
Pennsylvanian, late Desmoinesian, Gobbler Formation, Bug Scuffle Member.  
United States, New Mexico
- Stinchcomb, 2008, p.154, Fig. 08-069.  
Pennsylvanian, Virgilian, Lane Shale. United States, Missouri, Kansas City
- Stinchfield, 2008, p. 168, Fig. 09-24.  
Early Permian, Formation not given. United States, Kansas, Johnson County
- Delocrinus* sp. indet. Hashimoto, 1984, p. 18, Pl. 8, figs. 2a-2c; Fig. 6, nos. 1a-1b.  
Webster, 1993, p. 49.  
Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan
- DELTA CRINUS** Ulrich, 1886. \**Cheirocrinus clarus* Hall, 1862.  
Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae  
Ulrich, E. O., 1886, p. 100. Miller, S. A., 1889, p. 237. Bassler, 1915, p. 393. Bassler, 1938, p. 84. Moore and Lane *in* Moore and Teichert, 1978, p. 530. Harvey and Ausich, 1997, p. 304, Fig. 3.10. Lane, Waters, and Maples, 1997, p. 25.  
Rozhnov, 1999, p. 388, Fig. 4. Ausich, 1998b, p. 27.
- Note.** *Deltacrinus* was placed in synonymy of *Halysiocrinus*. The revision of the species needs additional investigation.
- Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Givetian, 1 Famennian  
Devonian, Givetian. United States

Devonian, Famennian. China, Xinjiang-Uygur Autonomous Region

*Deltacrinus alleni* (Rowley, 1904) = *Calceocrinus alleni*

*Deltacrinus asiaticus* Lane, Waters, and Maples, 1997, p. 26, Figs. 8.9-8.10, 9.7-9.8.  
Webster and Waters, 2009, p. 273, Fig. 3, nos. A-D.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uygur Autonomous Region

*Deltacrinus barrisi* (Worthen, 1875) = *Halysiocrinus barrisi* = *Synchirocrinus barrisi*

*Deltacrinus bradleyi* Meek and Worthen, 1869 = *Halysiocrinus bradleyi*

\**Deltacrinus clarus* (Hall, 1862). Ulrich, 1886, p. 109. Miller, S. A., 1889, p. 238.  
Goldring, 1923, p. 334, Pl. 41, fig. 5; Fig. 54. Bassler and Moodey, 1943, p. 413.  
*Cheirocrinus clarus* Hall, 1862a, p. 88, Pl. 1, fig. 17. Hall, 1862b, p. 116, Pl. 1, fig.  
17. Miller, S. A., 1889, p. 231. Bassler, 1938, p. 84.  
*Cheirocrinus (Calceocrinus?) clarus* Hall, 1862. Shumard, 1868, p. 358.  
*Calceocrinus clarus* (Hall, 1862). Miller, S. A., 1889, p. 230.  
*Halysiocrinus clarus* (Hall, 1862). Brower, 1990, p. 301, Fig. 7, nos. 27-28.  
Webster, 1993, p. 66.  
Devonian, Givetian, Thunder Bay Formation; Hungry Hollow Formation. North  
America, Michigan, Ontario

*Deltacrinus contractus* (Ringueberg, 1889) = *Catatonocrinus halli*

*Deltacrinus dactylus* (Hall), Springer, 1923 = *Halysiocrinus dactylus*

*Deltacrinus nodosus* (Hall), Springer, 1926 = *Halysiocrinus nodosus* = *H. tunicatus*

*Deltacrinus secundus* (Hall, 1872) = *Halysiocrinus secundus*

*Deltacrinus stigmatus* (Hall, 1863) = *Calceocrinus stigmatus*

*Deltacrinus tunicatus* (Hall, 1860) = *Halysiocrinus tunicatus*

*Deltacrinus? tunicatus* (Hall, 1860) = *Halysiocrinus tunicatus*

*Deltacrinus wachsmuthi* Meek and Worthen, 1869 = *Halysiocrinus wachsmuthi*

*Deltacrinus* sp. Hou, et al., 1994, p. 7, Pl. 1, figs. 1-2.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

**DENARIOACROCRINUS** Webster and Jell, 1999. \**Denarioacrocrinus neerkolensis*  
Webster and Jell, 1999.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F.  
Acrocrinidae

Webster and Jell, 1999a, p. 257.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Bashkirian or Westphalian, 1 Westphalian Pennsylvanian, Bashkirian or early Westphalian. Australia, Queensland Pennsylvanian, Westphalian. Argentina

\**Denarioacrocrinus neerkolensis* Webster and Jell, 1999a, p. 257, Fig. 12, nos. A-C. Pennsylvanian, Bashkirian or early Westphalian, Neerkol Formation. Australia, Queensland

*Denarioacrocrinus? ornatus* Webster and Jell, 1999a, p. 258, Fig. 12, nos. D-F. Pennsylvanian, Bashkirian or early Westphalian, Neerkol Formation. Australia, Queensland

*Denarioacrocrinus? pseudoornatus* Hlebszevitsch, 2004b, p. 385, Fig. 2, nos. A-c. Pennsylvanian, Westphalian, Las Salinas Formation. Argentina

**DENARIOCRINUS** Schmidt, 1942. \**D. ferula* Schmidt, 1942.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf. Cyathocrinitoidea F. Poteriocrinitidae

Schmidt, W. E., 1942, p. 163. Webster, 1973, p. 103. Moore and Strimple in Moore and Teichert, 1978, p. T633. Webster, 1986, p. 123.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian. Germany

\**Denariocrinus ferula* Schmidt, W. E., 1942, p. 165, Pl. 10, fig. 4; Fig. 45. Webster, 1973, p. 103. Moore and Strimple in Moore and Teichert, 1978, p. T633, Fig. 413, no. 1. Webster, 1986, p. 123.

Devonian, Emsian. Germany

Dendrocrinidae genus and species uncertain Donovan, 1985c, p. 10, Figs. 1-2. Webster, 1988, p. 68.

Undetermined Heterocrinid I Ramsbottom, 1961, p. 10 (part).

Heterocrinid Ramsbottom, 1961. Donovan, 1985c, p. 10. Webster, 1988, p. 68. Ordovician, Darriwilian (late Llanvirnian), Tramore Limestone. Ireland

Dendrocrinid, gen. and sp. undetermined

Ausich, 1986c, p. 733, Fig. 10, nos. 1-3. Webster, 1993, p. 49.

Silurian, early early or middle Llandoveryan, Brassfield Formation. United States, Ohio

Ausich and Dravage, 1988, p. 288, Fig. 2, nos. 4-5. Webster, 1993, p. 49.

Silurian, early early or middle Llandoveryan, Brassfield Formation. United States, Ohio

Dendrocrinid n. gen. n. sp. Kolata, Brower, and Frest, 1897 = *Eoparisocrinus crossmani*

**DENDROCRINUS** Hall, 1852. \**D. longidactylus* Hall, 1852.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Hall, 1852a, p. 193. Pictet, 1857, p. 317. Billings, E., 1857a, p. 264. Billings, E., 1859a, p. 35. Dujardin and Hupé, 1862, p. 128. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Meek, 1873a, p. 20. Wachsmuth and Springer, 1880 (1879), p. 75 (298). Zittel, 1880, p. 344, 361. Wachsmuth and Springer, 1883b, p. 375, Fig. 5. Miller, S. A., 1889, p. 238. Bather, 1890b p. 324. Zittel, 1895, p. 134. Koken, 1896, p. 281. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 155. Delage and Herouard, 1903, p. 380. Cumings, 1908, p. 711. Grabau and Shimer, 1910, p. 504. Springer, 1911b, p. 29. Springer *in* Zittel, 1913, p. 215. Bassler, 1915, p. 395. Fritz, 1925, p. 16. Bassler, 1938, p. 84. Bassler and Moodey, 1943, p. 413. Moore and Laudon, 1943b, p. 52, Figs. 1, 5. Moore and Laudon, 1944, p. 155, Pl. 52, fig. 6. Cuénot, 1948, p. 61. Moore, 1950, p. 34, Fig. 4b. Ubaghs, 1953, p. 751. Ramsbottom, 1961, p. 15, Fig. 4. Moore, 1962b, p. 15, Fig. 9, no. 5. Philip, 1963, p. 268, Fig. 2, no. a. Arendt and Hecker, 1964, p. 86. Philip, 1965, Fig. 2, no. b. Brower, 1973, p. 451. Webster, 1973, p. 103. Kolata, 1975, p. 31. Kolata, 1976, p. 448. Webster, 1977, p. 67. Frest and Strimple, 1978b, p. 170, Fig. 2, no. d. Moore and Lane *in* Moore and Teichert, 1978, p. T608, Fig. 394, no. 5. Jobson and Paul, 1979, p. 78, Fig. 7. Kelly, 1982, p. 288, Figs. 6, no. 1; 9, nos. 5, 11. Brower and Veinus, 1982, p. 131. Eckert, 1984, p. 33. Lane, N. G., 1984, p. 126, Fig. 2, no. C. Smith, A. B., 1985, p. 170. Webster, 1986, p. 123. Webster, 1988, p. 68. Donovan, 1992a, p. 154. Lane and Ausich, 1995, p. 1104. Ausich, 1996, p. 242, Fig. 17-1, no. 2. Donovan, Paul, and Lewis, 1996, p. 210. Eckert and Brett, 2001, p. 48. Donovan et al., 2010, p. 79.

*EMBRYOCRINUS* Hudson, 1918 (*non* Wanner, 1916), p. 162. \**E. problematicus* Hudson, 1918. Bassler, 1938, p. 93. Bassler and Moodey, 1943, p. 445. Lane and Moore *in* Moore and Teichert, 1978, p. T596.

*QUINQUECAUDEX* Brower and Veinus, 1982. \**Q. glabellus* Brower and Veinus, 1982. Brower and Veinus, 1982, p. 134. Webster, 1988, p. 142. Ausich, 1998b, p. 34. Eckert and Brett, 2001, p. 48.

“*DENDROCRINUS*” Ausich, 1998b, p. 34.

*DENDROCRINUS?* Donovan et al, 2010, p. 83.

Named, currently recognized species based on cups or crowns: 42 species. 25 Ordovician, 3 Sandbian, 1 Sandbian – Katian, 18 Katian, 2 Katian – Hirnantian, 1 Hirnantian; 1 Ordovician – Silurian, Hirnantian - Llandeilian; 15 Silurian, 6 Llandoveryan, 2 Wenlockian, 2 Niagaran, 4 Ludlovian; 1 Silurian – Devonian, Pridoli - Lochkovian

Ordovician, Sandbian – Hirnantian (middle Champlainian); - Silurian, Ludlovian. North America

Ordovician, Darriwilian – Katian; Silurian, Llandoveryan. Europe

Silurian - Devonian transition, Pridoli - Lochkovian. Australia, Victoria

Silurian, Ludlovian. Russia, Mongolian Altai

Silurian, Llandoveryan, Ludlovian. United Kingdom

“*DENDROCRINUS*” Ausich, 1998b = *DENDROCRINUS*

*DENDROCRINUS?* Donovan et al., 2010 = ***DENDROCRINUS***

- Dendrocrinus acutidactylus* Billings, E., 1857a, p. 266. Billings, E., 1859a, p. 37, Pl. 3, figs. 2a-2b. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 413. Wilson, A. E., 1946, p. 37. Webster, 1973, p. 103. Brower, 1995b, p. 946, Fig. 6.  
Ordovician, Katian, Hull Shale; Curdsville Limestone; Galena Group, Dunleith Formation, Sherwood Member. North American, Quebec, Ontario, Kentucky, Iowa
- Dendrocrinus alternatus* (Hall, 1847). Wachsmuth and Springer, 1880 (1879), p. 76 (299). Miller, S. A., 1889, p. 238. Bassler, 1915, p. 395. Ockerman, 1926, p. 113, Pl. 1, fig. 9. Bassler and Moodey, 1943, p. 413. Welby, 1962, p. 37, Pl. 14, figs. 25-26. Brower, 1973, p. 452. Webster, 1977, p. 67.  
*Poteroicrinus alternatus* Hall, 1847b, p. 83, Pl. 28, figs. 1a-1f (referred to as *Cyathocrinus? alternatus* p. 316). Shumard, 1868, p. 377. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 273. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 413. Brower, 1973, p. 452. Webster, 1977, p. 67.  
*Homocrinus alternatus* (Hall, 1847). Hall, 1852a, p. 185. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Bassler, 1915, p. 395.  
Ordovician, Katian, Trentonian, upper part of Trenton Limestone; Glen Falls Limestone. United States, New York, Vermont
- Dendrocrinus ancilla* Hall, 1879 = *Homocrinus ancilla*
- Dendrocrinus angulatus* Billings, 1857 = *Palaeocrinus angulatus*
- Dendrocrinus angustatus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 76 (299). Miller, S. A., 1889, p. 238. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 413.  
*Homocrinus angustatus* Meek and Worthen, 1870b, p. 30. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 413.  
*Homocrinus angustatus* Meek and Worthen, 1870. Miller, S. A., 1889, p. 255.  
Ordovician, Katian (Cincinnatian), Maquoketa Shale. United States, Illinois
- Dendrocrinus aphelos* Eckert and Brett, 2001, p. 50, Pl. 7, figs. 1, 13; Fig. 19.  
Silurian, middle Llandoveryan, Wolcott Limestone. United States, New York
- Dendrocrinus arrugius* Jell, 1999a, p. 74, Figs. 59-63.  
Silurian, Ludlovian, Kilmore Siltstone; Humevale Formation Clonbinane Sandstone Member; Devonian, late Lochkovian, Humevale Formation.  
Australia, Victoria
- Dendrocrinus bactronodosus* Eckert and Brett, 2001, p. 50, Pl. 7, fig. 21. Fig. 20.  
Silurian, middle Llandoveryan, Wolcott Limestone. United States, New York
- Dendrocrinus? bibrachialis* Brower and Veinus, 1982, p. 132, Pl. 9, figs. 7-8; Fig. 42, B-C. Webster, 1988, p. 68.  
Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake

Member. United States, Oklahoma

*Dendrocrinus caduceus* (Hall, 1866). Miller, S. A., 1889, p. 238. Grabau and Shimer, 1910, p. 505, Fig. 1819. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 414. Moore and Lane in Moore and Teichert, 1978, p. T608, Fig. 395, nos. 1e-1f. Webster, 1986, p. 123.

*Poteriocrinus (Dendrocrinus) caduceus* Hall, 1866a, p. 3, Pl. 1, figs. 7-8. Hall, 1872a, p. 4, Pl. 5, figs. 7-8. Hall, 1872b, p. 208, Pl. 5, figs. 7-8. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 414.

*Poteriocrinites (Dendrocrinus) caduceus* (Hall, 1866). Meek, 1873a, p. 26, Pl. 3, figs. 1a-1c. Lesley, 1889, p. 738, Figs. 1a-1d. Bassler, 1915, p. 395.

*Poteriocrinus caduceus* Hall, 1866. Miller, S. A., 1889, p. 273.

Ordovician, Katian (Ashgillian), Waynesville Limestone, Blanchester Member; Arnheim Shale. United States, Ohio, Indiana

*Dendrocrinus cambriensis* Hicks, 1873 = *Iocrinus? cambriensis* = *Ramseyocrinus cambriensis*

*Dendrocrinus casei* Meek, 1871 = *Plicodendrocrinus casei*

*Dendrocrinus casii* Meek, 1871 = *Plicodendrocrinus casei*

*Dendrocrinus celsus* Ringuéberg, 1888, p. 132, Pl. 7, fig. 3. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414. Silurian, Niagaran, Rochester Shale. United States, New York

*Dendrocrinus cincinnatiensis* (Meek, 1872). Wachsmuth and Springer, 1880 (1879), p. 76 (299). Miller, S. A., 1889, p. 238. Grabau and Shimer, 1910, p. 505, Fig. 1818. Bassler, 1915, p. 396. Miller, A. M., 1919, Pl. 22, fig. 4. Bassler and Moodey, 1943, p. 414. Webster, 1988, p. 143.

*Poteriocrinites (Dendrocrinus) cincinnatiensis* Meek, 1872a, p. 312. Meek, 1873, p. 20, Pl. 3, Figs. 5a-5b. Lesley, 1889, p. 739, Figs. 5a-5b. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414. Webster, 1988, p. 143.

*Quinquecaudex cincinnatiensis* (Meek, 1872). Brower and Veinus, 1982, p. 134. Webster, 1988, p. 143.

Ordovician, Hirnantian (late Cincinnatian), Fairmount Limestone. United States, Ohio

*Dendrocrinus collapsus* Donovan, 1992a, p. 154, Pl. 1, figs. 3-6; Figs. 2-3. Ordovician, Katian (Rawtheyan), Starfish Bed. United Kingdom, Scotland

*Dendrocrinus conjugans* Billings, 1857 = *Cupulocrinus conjugans* = *Praecupulocrinus conjugans*

*Dendrocrinus? constrictus* Brower, 1973, p. 459, Pl. 79, fig. 1. Webster, 1977, p. 67. Ordovician, Katian, Cape Limestone. United States, Missouri

- Dendrocrinus curtus* Ulrich, 1879 = *Merocrinus curtus*
- Dendrocrinus? curtus* Ulrich, 1879 = *Merocrinus curtus*
- Dendrocrinus curvijunctus* Brower, 1973, p. 456, Pl. 77, fig. 3. Webster, 1977, p. 67. Ordovician, Katian - Hirnantian (Ashgillian), Girardeau Limestone. United States, Illinois
- Dendrocrinus cylindricus* Billings, 1859 = *Cupulocrinus cylindricus* = *Praecupulocrinus cylindricus*
- Dendrocrinus daytonensis* Ausich, 1986c, p. 731, Figs. 4, no. 3; 6, nos. 9-12. Silurian, Llandoveryan, Brassfield Formation. United States, Ohio
- Dendrocrinus diaphoros* Lane and Ausich, 1995, p. 1105, Figs. 6.1, 7.3, 7.5. Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana
- Dendrocrinus dyeri* (Meek, 1872). Wachsmuth and Springer, 1880 (1879), p. 76 (299). Miller, S. A., 1889, p. 238. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414.  
*Poteriocrinites (Dendrocrinus) dyeri* Meek, 1872a, p. 310. Meek, 1873a, p. 24, Pl. 3, figs. 3a-3b. Lesley, 1889, p. 739, Figs. 3a-3b. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414.  
Ordovician, Katian (Trentonian), *Cynthiana* Formation. United States, Kentucky
- Dendrocrinus erraticus* Miller, S. A., 1881e, p. 316, Pl. 8, figs. 1-1a. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414.  
Ordovician, Katian (Ashgillian), Waynesville Limestone (drift). United States, Ohio
- Dendrocrinus extensidiscus* Brower, 1975a, p. 651, Pl. 75, figs. 1-3; Fig. 5. Webster, 1986, p. 123. Donovan, 1992a, p. 156. Donovan, Fernhead, and Lewis, 2007, p. 178, Pl. 33, fig. 3. Donovan et al., 2008b, p. 335, Fig. 15.1, no. 6. Donovan et al., 2010, p. 79, Pl. 21, fig. 1.  
Silurian, late Llandoveryan, Telcychian, Reservoir Formation, Starfish Beds; Gutterford Burn Flagstones; lowest part of Deerhope Formation. United Kingdom, Scotland, Pentland Hills  
Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom, Scotland
- Dendrocrinus? gasworksensis* Donovan, 1993a, p. 9, Figs. 6; 7, no. A. Donovan, 1994, p. 75, Fig. 7, no. A. Donovan, 1996a, p. 197, Fig. 2, no. e. Donovan et al., 2010, p. 83, Fig. 35.  
Silurian, Llandovery, Rhuddanian, Haverford Mudstone Formation or possibly lower part of Gasworks Sandstone Formation. Wales, Dyford



- Dendrocrinus glabellus* (Brower and Veinus, 1982. New combinatio9n  
*Quinquecaudex glabellus* Brower and Veinus, 1982, p. 136, Pl. 10, figs. 1-11; Fig. 43, nos. A-J. Webster, 1988, p. 143.  
 Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma
- Dendrocrinus gracilis* (Hall, 1847). Wachsmuth and Springer, 1880 (1879), p. 76, (299).  
 Miller, S. A., 1889, p. 238. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414.  
*Poteroicrinus gracilis* Hall, 1847b p. 84, Pl. 28, figs. 2a-2f. Shumard, 1868, p. 378. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414.  
*Homocrinus gracilis* (Hall, 1847). Hall, 1852a, p. 158. Shumard, 1868, p. 378. Bassler, 1915, p. 396.  
*Poteroicrinites gracilis* (Hall, 1847). Meek, 1873a, p. 21. Bassler, 1915, p. 396.  
*Poteroicrinus subgracilis* d'Orbigny, 1849, p. 23. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 650.  
 Ordovician, Katian (Trentonian), Trenton Limestone, Prosser Limestone. United States, Wisconsin
- Dendrocrinus granditubus* Ramsbottom, 1961, p. 15, Pl. 4, figs. 1-7. Webster, 1973, p. 103. Smith, A. B., 1985, p. 170, Pl. 7.4.24. Webster, 1988, p. 68. Donovan, 1992a, p. 156. Donovan, Paul, and Lewis, 1996, p. 210, Pl. 39, fig. 3. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. i-j.  
 Ordovician, Katian (Ashgillian), upper part of Drummuck Group, Lady Burn Starfish Beds. United Kingdom, Scotland
- Dendrocrinus gregarius* Billings, E., 1857a, p. 265. Billings, E., 1859a, p. 36, Pl. 3, figs. 1a-1c. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414. Wilson, A. E., 1946, p. 37, Pl. 6, fig. 4. Webster, 1973, p. 103. Brower, 2010, p. 641, Figs. 10-11.  
 Ordovician, Sandbian (middle Caradocian), Cobourg Limestone. Canada, Ontario  
 Ordovician, Katian, Rust Limestone, Spillway Member. United States, New York.
- Dendrocrinus humilis* Billings, 1857 = *Cupulocrinus humilis*
- Dendrocrinus jewetti* Billings, 1859 = *Cupulocrinus jewetti*
- Dendrocrinus?* *johnphillipsi* Donovan et al., 2010, p. 84, Fig. 36, nos. B-I.  
 Silurian, late Ludlow, Leintwardine Formation. United Kingdom, Herefordshire
- Dendrocrinus kayi* Slocom, 1924 = *Plicodendrocrinus casei*
- Dendrocrinus kayi* Thomas and Ladd, 1926 (*non* Slocom, 1924) = *\*Plicodendrocrinus casei*
- Dendrocrinus latibrachiatus* Billings, 1857 = *Cupulocrinus latibrachiatus*

- Dendrocrinus leptos* Ausich and Copper, 2010, p. 39, Pl. 8, fig. 6, Fig. 9.1.  
Ordovician, Hirnantian, Ellis Bay Formation, Velleda and Laframboise Members;  
Silurian, Llandoveryan, Becscie Formation, Chabot Member. Canada, Quebec,  
Anticosti Island
- \**Dendrocrinus longidactylus* Hall, 1852a, p. 193, Pls. 42, figs. 7a-7b; 43, figs. 1a-1k.  
Pictet, 1857, p. 317, Pl. 100, fig. 14. Bronn, 1860, Pl. 27, figs. 3A-3C. Dujardin  
and Hupé, 1862, p. 129. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S.  
A., 1889, p. 238. Bather *in* Lankester, 1900, p. 120, Fig. 25, no. 2. Springer,  
1911b, p. 29, Fig. 1. Bassler, 1915, p. 397. Bassler, 1938, p. 85. Bassler and  
Moodey, 1943, p. 415. Moore and Laudon, 1944, p. 155, Pl. 52, fig. 6. Webster,  
1973, p. 103. Moore and Lane *in* Moore and Teichert, 1978, p. T608, Fig. 395,  
nos. 1a-1d. Brett, 1984, p. 92, Fig. 6. Webster, 1986, p. 124. Webster, 1988, p.  
68. Brett and Taylor *in* Brett and Baird, 1997, p. 204, Fig. 8.7, no. B.  
Silurian, Wenlockian, Clinton Group, Rochester Shale. United States, New  
York
- Dendrocrinus minutus* Springer, 1928, p. 137, Pl. 4, fig. 6. Bassler and Moodey, 1943,  
p. 415. Ausich and Copper, 2010, p. 39, Pl. 8, fig. 3; Fig. 9.2.  
Ordovician, Katian - Hirnantian, Vauréal Formation, Easton Member. Canada,  
Anticosti Island
- Dendrocrinus modestus* Safford, 1869 = *Tornatilicrinus modestus*
- Dendrocrinus navigiolum* Miller, S. A., 1880c, p. 235, Pl. 7, figs. 6-6a. Miller, S. A.,  
1889, p. 238. Bassler, 1915, p. 397. Ehrenberg, 1922c, p. 275, Fig. 6. Bassler  
and Moodey, 1943, p. 415.  
Ordovician, Katian (early Cincinnati), Fulton Shale. United States, Ohio
- Dendrocrinus?* n. sp. aff. *D.?* *navigiolum* Miller, 1880. Brower, 1973, p. 457, Pl. 78, fig.  
1. Webster, 1977, p. 68.  
Ordovician, Katian (Ashgillian), Girardeau Limestone. United States, Illinois
- Dendrocrinus?* *nodobrachiatus* Ringueberg, 1890, p. 303, Pl. 3, fig. 6. Miller, S. A.,  
1892a, p. 677. Bassler, 1915, p. 397. Bassler and Moodey, 1943, p. 415.  
Silurian, Niagaran, Gasport Limestone. United States, New York
- Dendrocrinus nucleus* Hall, 1877 = *Homocrinus nucleus* = *Botryocrinus nucleus*
- Dendrocrinus oswegoensis* Meek and Worthen, 1868 = *Quintuplexocrinus oswegoensis*
- ?*Dendrocrinus oswegoensis* Meek and Worthen, 1868 = *Quintuplexocrinus*  
*oswegoensis*
- Dendrocrinus?* *oswegoensis* Meek and Worthen, 1868 = *Quintuplexocrinus*  
*oswegoensis*

*Dendrocrinus parvus* Eckert, 1984, p. 34, Pl. 7, figs. 3-6; Fig. 15, nos. A-C. Webster, 1988, p. 68.

Silurian, Llandoveryan, Cabot Head Formation. Canada, Ontario

*Dendrocrinus polydactylus* (Shumard, 1857) = *Cupulocrinus polydactylus*

*Dendrocrinus posticus* (Hall, 1866). Wachsmuth and Springer, 1879, p. 300 (p. 77).

Miller, S. A., 1889, p. 239. Bassler, 1915, p. 397. Bassler and Moodey, 1943, p. 415.

*Poteriocrinus posticus* Hall, 1866a, Pl. 1, figs. 5-6. Hall, 1872a, p. 5, Pl. 5, figs. 5-6.

Hall, 1872b, p. 209, Pl. 5, figs. 5-6. Miller, S. A., 1889, p. 275. Bassler, 1915, p. 397. Bassler and Moodey, 1943, p. 415.

*Poteriocrinites (Dendrocrinus) posticus* (Hall, 1866). Meek, 1873a, p. 22, Pl. 3, figs. 4a-4c. Lesley, 1889, p. 740, Figs. 4a-4c. Bassler, 1915, p. 397. Bassler and Moodey, 1943, p. 415.

Ordovician, Katian (Ashgillian), Waynesville or Liberty Limestone. United States, Ohio

*Dendrocrinus problematicus* (Hudson, 1918). New combination.

*Embryocrinus problematicus* Hudson, 1918, p. 162, Figs. 1-2. Bassler, 1938, p. 93. Bassler and Moodey, 1943, p. 445.

Ordovician, Katian (Trentonian). United States, New York

*Dendrocrinus proboscidiatus* E. Billings, 1857 = *Plicodendrocrinus proboscidiatus*

*Dendrocrinus retractilis* Walcott, 1883 = *Merocrinus retractilis*

*Dendrocrinus rozmanae* Rozhnov, 1992, p. 88, Pl. 22, fig. 4, Fig. 2.

Silurian, early Ludlovian, Nizy Khovdinskikh Sloev. Russia, Mongolian Altai

*Dendrocrinus rugocyathus* Ramsbottom, 1961, p. 16, Pl. 3, figs. 1-5. Webster, 1973, p.

103. Donovan, 1992a, p. 156. Donovan, Paul, and Lewis, 1996, p. 210.

Ordovician, Katian (Ashgillian), Slade Beds. Wales

*Dendrocrinus rusticus* Billings, E., 1957a, p. 270. Billings, E., 1859a, p. 41, Pl. 3, figs.

7a-7b. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 239.

Bassler, 1915, p. 398. Bassler and Moodey, 1943, p. 415. Wilson, A. E., 1946, p. 37. Webster, 1973, p. 103.

Ordovician, Sandbian – Katian (middle Caradocian), Hull Limestone; Cobourg Limestone. Canada, Ontario

*Dendrocrinus saundersi* Jell and Holloway, 1983, p. 17, Fig. 7, nos. A-B. Webster, 1988, p. 68.

Silurian - Early Devonian, Dargile-Humevale Formation transition beds. Australia, Victoria

*Dendrocrinus (Homocrinus) scoparius* (Hall, 1859) = *Lasiocrinus scoparius*

- Dendrocrinus similis* Billings, E., 1857a, p. 267. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 239. Bassler, 1915, p. 398. Bassler and Moodey, 1943, p. 415.  
Ordovician, Katian (middle Caradocian), Hull Limestone. Canada, Ontario
- Dendrocrinus? springeri* Kolata, 1975, p. 31, Pls. 5, figs. 8-9; 6, figs. 1-3, 5-6.  
Webster, 1986, p. 124. Webster, 1988, p. 143.  
*Quinquecaudex springeri* (Kolata, 1975). Brower and Veinus, 1982, p. 134.  
Webster, 1988, p. 143. Brower, 1995b, p. 946, Fig. 2, nos. 1-2. Sloan, 2005, p. 153, Fig. 4-60, nos. 9a-9b.  
Ordovician, Katian (Champlainian), lower part of Trenton Limestone; Grand Detour Formation, Forreton Member; Platteville Group; Galena Group, Dunleith Formation, Sherwood Member; Wise Lake Formation, Sinsinawa Member.  
Canada, Ontario; United States, Illinois, Iowa
- Dendrocrinus tener* Billings, E., 1866, p. 9. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 239. Bassler, 1915, p. 398. Bassler and Moodey, 1943, p. 416 (not recognizable). Ausich and Copper, 2010, p. 40, Pl. 8, fig. 12 (*nomen dubium*; age and locality uncertain).  
Ordovician, Katian, Vaurial or English Head Formation. Canada, Anticosti Island
- Dendrocrinus ursae* Eckert and Brett, 2001, p. 49, Pl. 3, figs. 5-7; Fig. 18, nos. A-B.  
Silurian, middle Llandoveryan, Reynales Formation, upper part of Bear Creek Shale Member. United States, New York
- Dendrocrinus villosus* Brower and Veinus, 1982, p. 131, Pl. 9, fig. 3; Fig. 42, no. A.  
Webster, 1988, p. 69.  
Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma
- "*Dendrocrinus*" *whitei* Donovan et al., 2001, p. 80, Figs. 32, nos. D-F, 33.  
Silurian, late Llandovery, Hughley Shale. United Kingdom, Shropshire
- Dendrocrinus* sp. A Kolata, 1975 = *Quinquecaudex* sp.
- Dendrocrinus* sp. B Kolata, 1975, p. 35, Pl. 5, fig. 5. Webster, 1986, p. 124.  
Ordovician, Katian (Champlainian), Guttenberg Formation. United States, Illinois
- Dendrocrinus* sp. A Ausich and Copper, 2010, p. 40, unfigured.  
Silurian, Llandoveryan, Jupiter Formation, Richardson or Cybèle Member. Canada, Quebec, Anticosti Island
- Dendrocrinus* sp. B Ausich and Copper, 2010, p. 41, Pl. 8, fig. 5.  
Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

*Dendrocrinus* sp. indet. Kolata, 1976, p. 448, Pl. 1, fig. 9; Fig. 3. Webster, 1986, p. 124.

Ordovician, Katian (Maysvillian), Bighorn Formation, Hunt Mountain Beds.  
United States, Wyoming

*Dendrocrinus* sp. nov. Donovan et al., 2007 = *Plicodendrocrinus brevis*

*Dendrocrinus* sp. nov. Donovan et al., 2010, p. 81, Fig. 34.

Silurian, Llandovery, late Rhuddanian, Haverford Mudstone Formation (= Gasworks Mudstone). United Kingdom, Wales, Pembrokeshire

*Dendrocrinus* spp.

Sinclair, Copeland, and Bolton, 1969, p. 24, Fig. 7, no. 5. Webster, 1977, p. 68.

Ordovician, Sandbian (middle Caradocian), Sherman Fall Limestone. Canada,  
Ontario

Jell, 1999a, p. 80, Fig. 64.

Silurian, Ludlovian, Kilmore Siltstone. Australia, Victoria

Brett and Taylor *in* Brett and Baird, 1997, p. 190, Fig. 8.4.

Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus* Beds.  
United States, New York

Bolton, 1981, Ausich and Copper, 2010, p. 41, unfigured.

Silurian, Llandoveryan, ?Gun River Formation. Canada, Quebec, Anticosti Island,  
locality uncertain

Donovan et al., 2011, p. 245, Fig. 7, nos. A-E.

Silurian, Llandovery, Telychan, Deerhope Formation. United Kingdom, Scotland,  
North Esk Inlier

*Dendrocrinus?* sp. Donovan et al., 2010, p. 86, Fig. 37, nos. A-E.

Silurian, Llandovery, late Telychan, Deerhope Formation. United Kingdom,  
Scotland, Midlothian

**DEOCRINUS** Hudson, 1907. \**Rhodocrinus asperatus* Billings, 1859.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinioidea, F. Anthracocrinidae

Hudson, 1907, p. 121. Bassler, 1915, p. 401. Bassler, 1938, p. 85. Bassler and

Moodey, 1943, p. 416. Moore and Laudon, 1943b, p. 82. Ubaghs, 1953, p. 737.

Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 103. Ubaghs *in* Moore and

Teichert, 1978, p. T418. Webster, 1986, p. 124. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darriwilian species

Ordovician, Darriwilian? (Chazyan). Canada

\**Deocrinus asperatus* (Billings, 1859). Hudson, 1907, p. 121. Bassler, 1915, p. 401.

Bassler, 1938, p. 85. Bassler and Moodey, 1943, p. 416. Ubaghs *in* Moore and

Teichert, 1978, p. T418, Fig. 229, no. 1. Webster, 1986, p. 124. Gil *et al.*,

1999, p. 862, Fig. 1, no. b. Torres, Gil Cid, and Domínguez, 1999, p. 195, Fig. 1.

*Rhodocrinus asperatus* Billings, E., 1859a, p. 27, Pl. 1, figs. 4a-4e. Shumard, 1868,

p. 394. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 277. Bassler, 1915, p. 401.

Bassler, 1938, p. 85. Bassler and Moodey, 1943, p. 416.

*Archaeocrinus asperatus* (Billings, 1859). Wachsmuth and Springer, 1886, p. 301.  
Bassler, 1915, p. 401.  
Ordovician, Darrivilian? (Chazyan), Aylmer Formation. Canada

**DEPAOCRINUS** Wanner, 1937. \**D. ottowi* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Pachylocrinidae?

Wanner, 1937, p. 152. Bassler, 1938, p. 85. Bassler and Moodey, 1943, p. 416.  
Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948, p. 191. Webster, 1973,  
p. 103. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661.  
Webster, 1986, p. 124. Webster, 1990, p. 64. Webster, 1993, p. 49.

Named, currently recognized species based on cups or crowns: 1 Permian species,  
series uncertain

Permian, series uncertain. West Timor

\**Depaocrinus ottowi* Wanner, 1937, p. 152, Pl. 10, figs. 14-15; Fig. 47. Bassler, 1938,  
p. 85. Bassler and Moodey, 1943, p. 416. Branson, C. C., 1948, p. 191. Moore,  
Strimple, and Lane *in* Moore and Teichert, 1978, p. T661, Fig. 432, no. 3.  
Webster, 1986, p. 124.

Permian, series uncertain. West Timor, Basleo

**DERBIOCRINUS** Wright, 1951. \**D. diversus* Wright, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Hydreionocrinoidea, F.  
Hydreionocrinidae

Wright, J., 1951b, p. 79. Webster, 1973, p. 103. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T704. Webster, 1993, p. 49. Donovan, Lewis, and Hill, 2005,  
p.  
205.

**DERBYIOCRINUS** Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 49.  
Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species  
Mississippian, Viséan. United Kingdom

*Derbiocrinus cf. amplus* (Wright, 1951).

*Hydreionocrinus amplus* Wright, J., 1951b, p. 84, Pls. 12, figs. 1-3; 16, figs. 1, 3-4,  
6,  
8-9; 17, figs. 3, 5, 10-14, 16-17, 19-20; Fig. 40. Moore, 1962b, p. 24, Fig. 14, no.  
7. Webster, 1973, p. 152. Ausich and Kammer, 2006, p. 104.

*Derbyiocrinus cf. amplus* (Wright, 1951). Ausich and Kammer, 2006, p. 104.

*Hydreionocrinus woodianus* Wright, J., 1937a, p. 408. Wright, J., 1939, p. 35, Pl. 2,  
figs. 1-5, 7-9, Figs. 41-42. Wright and Strimple, 1945, p. 226. Wright, J., 1951b,  
p. 84. Webster, 1973, p. 152.

*Hydreionocrinus cf. woodianus* Wright, J., 1935b, p. 207. Wright, J., 1951b, p. 84.  
Webster, 1973, p. 152.

*Hydreionocrinus* No. 1 sp., ?*H. woodianus* Wright, J., 1925, p. 288. Wright, J.,  
1951b, p. 84. Webster, 1973, p. 152.

*Hydreionocrinus* sp. Bather, 1916a, p. 61, Pl. figs. 1-5. Wright, J., 1914, 1920,  
1927 (part). Wright, J., 1951b, p. 84. Webster, 1973, p. 152.

*Woodocrinus goniodactylus* Wright, J., 1936, p. 387. Wright, J., 1951b, p. 84.  
Webster, 1973, p. 152.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

\**Derbiocrinus diversus* Wright, J., 1951b, p. 79, Pl. 14, figs. 19-24. Webster, 1973, p. 103. Moore and Strimple *in* Moore and Teichert, 1978, p. T704, Fig. 462, no. 3. Webster, 1986, p. 124. Donovan, Lewis, and Hill, 2005, p. 206, Figs. 1-2. Mississippian, Viséan, Asbian, Bee Low Limestones. United Kingdom

**DERBYIOCRINUS** Lane and Sevastopulo, 1990 = **DERBIOCRINUS**

*Derbiocrinus cf. amplus* (Wright,). Ausich and Kammer, 2006 = *Derbiocrinus cf. amplus*

Derived (archaeocrinid) crinoid Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. L. (diagramatic)

Derived crinoid feeding appendage Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. C. (diagramatic)

Dermal tubercles of a fish Reed, 1928 = *Calceolispongia?* sp. nov. Teichert, 1949

**DERORHETHOCRINUS** Webster et al., 2003. \**Derorhethocrinus elongatus* Webster et al., 2003.

O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Glossocrinoidea, F. Amabilicrinidae Webster et al., 2003, p. 21, Fig. 13.1.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian. Iran, Kerman Province

\**Derorhethocrinus elongatus* Webster et al., 2003, p. 22, Figs. 13.2, 16.5-16.8. Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

**DESMACRIOCRINUS** Strimple, 1966. \**Kallimorphocrinus weldenensis* Strimple and Koenig, 1956

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Strimple, 1966c, p. 109. Strimple and Moore, 1971a, p. 38. Webster, 1973, p. 103; 1977, p. 68. Moore and Strimple *in* Moore and Teichert, 1978, p. 538. Webster, 1986, p. 125. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 49. Webster et al., 2011, p. 32

Named, currently recognized species based on cups or crowns: 4 species, 2

Mississippian, Tournaisian; 2 Pennsylvanian, bashkirian species

Mississippian, Tournaisian (Kinderhookian). United States, Missouri, Oklahoma Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Desmacriocrinus asperulus* Webster et al., 2011, p. 34, Fig. 9, nos. g-p. Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Desmacriocrinus bulbosus* Webster et al., 2011, p. 34, Fig. 10, nos. a-j, n-p.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Desmacriocrinus moreyi* Peck, 1936. Strimple, 1966c, p. 108. Webster, 1973, p. 104.  
*Coenocystis moreyi* Peck, 1936. Bassler and Moodey, 1943, p. 370. Strimple,  
1966c, p. 108. Webster, 1973, p. 104.  
*Coenocystis moreyi* Peck, 1936, p. 289, Pl. 46, figs. 11-15.  
Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States,  
Missouri

\**Desmacriocrinus weldenensis* (Strimple and Koenig, 1956). Strimple, 1966c, p. 109,  
Fig. 2, no. a. Webster, 1973, p. 104. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T538, Fig. 535, no. 1. Webster, 1986, p. 125.  
*Kallimorphocrinus weldenensis* Strimple and Koenig, 1956, p. 1234, Fig. 2, nos.  
29-35. Strimple, 1966c, p. 109. Webster, 1973, p. 104.  
Mississippian, Tournaisian (Kinderhookian), Welden Limestone. United States,  
Oklahoma

Desmidocrinidae indet. Gupta and Webster, 1980 = *Bohemicocrinus nodosus*

**DESMIDOCRINUS** Angelin, 1878. \**D. pentadactylus* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Carpocrinidae

Angelin, 1878, p. 5. Zittel, 1880, p. 344, 367. Wachsmuth and Springer, 1881, p.  
108 (282). Zittel, 1895, p. 127. Koken, 1896, p. 285. Bather *in* Lankester, 1900,  
p. 166. Wachsmuth *in* Zittel, 1900, p. 144. Springer *in* Zittel, 1913, p. 194.  
Springer, 1926a, p. 43. Bassler, 1938, p. 85. Bassler and Moodey, 1943, p.  
416. Moore and Laudon, 1943b, p. 93. Ubaghs, 1953, p. 740. Webster, 1973,  
p. 104. Ubaghs *in* Moore and Teichert, 1978, p. T465. Franzen, 1982, p. 474.  
Webster, 1986, p. 125. Webster, 1988, p. 69. Donovan, et al., 2012, p. 173.

Named, currently recognized species based on cups or crowns: 5 Silurian species, 3  
Wenlockian, 1 Niagaran, 1 Ludlovian  
Silurian, Wenlockian - Ludlovian. Sweden, United Kingdom  
Silurian, Niagaran. United States, Indiana

*Desmidocrinus dubius* Springer, 1926a, p. 43, Pl. 7, fig. 25. Bassler and Moodey,  
1943, p. 416.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Desmidocrinus heterodactylus* Angelin, 1878, p. 6, Pl. 16, figs. 16-16a. Zittel, 1880, p.  
367, Fig. 255. Zittel, 1895, p. 127, Fig. 245. Wachsmuth *in* Zittel, 1900, p. 144,  
Fig. 247. Bassler and Moodey, 1943, p. 416.  
Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom

*Desmidocrinus laurelianus* Springer, 1926 = *Carpocrinus laurelianus*



*Desmidocrinus macrodactylus* Angelin, 1878, p. 6, Pl. 16, figs. 20-21. Bassler and Moodey, 1943, p. 416. Ubaghs, 1956a, p. 548, Fig. 15, nos. A-B. Webster, 1973, p. 104. Donovan et al., 2008a, p. 37, Fig. 2, no. E.

*Desmidocrinus macrodatylus* Angelin, 1878. Ubaghs, 1953, p. 740, Fig. 93. Silurian, Wenlockian. Sweden, Isle of Gotland  
Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom

*Desmidocrinus macrodatylus* Angelin, 1878 = *Desmidocrinus macrodactylus*

*Desmidocrinus* ex. Gr. *Macrodactylus* Angelin, 1878. Sonovn et al., 2012, p. 174, fig. 76. Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland

\**Desmidocrinus pentadactylus* Angelin, 1878, p. 5, Pl. 16, figs. 15, 22. Bassler, 1938, p. 85. Bassler and Moodey, 1943, p. 416. Ubaghs, 1956a, p. 548, Fig. 15, nos. C-E. Webster, 1973, p. 104. Ubaghs in Moore and Teichert, 1978, p. T465, Fig. 272, no. 1. Franzen, 1982, p. 474, Figs. 1-2, 4-10. Webster, 1986, p. 125. Webster, 1988, p. 69. Hess in Hess et al., 1999 p. 83, Fig. 98. Donovan et al., 2012, Pl.45, Fig. 1.

Silurian, Ludlovian, Eke Beds. Sweden, Isle of Gotland  
Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland

*Desmidocrinus springeri* (Thomas, 1924) = *Cerasmocrinus springeri*

*Desmidocrinus tridactylus* Angelin, 1878, p. 6, Pl. 16, figs. 4, 4b. Bassler and Moodey, 1943, p. 416.

Silurian, Wenlockian. Sweden, Isle of Gotland

Detached crinoid arm. Wright, D. K., 1983, p. 587, Pl. 65, fig. 3. Webster, 1988, p. 69. Late Ordovician, Portreuddyn Slate. United Kingdom

**DIABOLOCRINUS** Wachsmuth and Springer, 1897. \**D. perplexus* Wachsmuth and Springer, 1897.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Wachsmuth and Springer, 1897, p. 211, 249. Miller, S. A., 1897, p. 741. Bather in Lankester, 1900, p. 200. Springer in Zittel, 1913, p. 188. Bassler, 1915, p. 403. Bassler, 1938, p. 86. Bassler and Moodey, 1943, p. 416. Moore and Laudon, 1943b, p. 83, Fig. 13. Moore and Laudon, 1944, p. 185. Ubaghs, 1953, p. 737. Ramsbottom, 1961, p. 26, Fig. 10. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 104. Brower and Veinus, 1974, p. 71. Frest, Strimple, and Kelly, 1976, p. 145, Fig. 2. Webster, 1977, p. 68. Ubaghs in Moore and Teichert, 1978, p. T425. Webster, 1986, p. 125. Webster, 1988, p. 69. Donovan, Paul, and Lewis, 1996, p. 217. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 8 Ordovician species, 6 Sandbian, 2 Katian

Ordovician, Sandbian – Katian (Champlainian): United States, Oklahoma, Tennessee, Virginia

Ordovician, Sandbian (Caradocian). United Kingdom, Scotland

*Diabolocrinus arbucklensis* Kolata, 1982, p. 191, Pl. 20, figs. 1-10; Fig. 53. Webster, 1988, p. 69.

Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Diabolocrinus asperatus* (Miller and Gurley, 1894) = *Diabolocrinus vesperalis*

*Diabolocrinus asperatus?* Butts, 1941 (part) = *Diabolocrinus vesperalis*

*Diabolocrinus asperatus?* Butts, 1941 (part) = *Paradiabolocrinus sinurugosus*

*Diabolocrinus constrictus* Kolata, 1982, p. 195, Pl. 20, figs. 13-15. Webster, 1988, p. 69.

Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Diabolocrinus craigheadensis* Ramsbottom, 1961, p. 27, Pl. 8, figs. 5-9. Webster, 1973, p. 104. Donovan, Paul, and Lewis, 1996, p. 217, Pl. 40, fig. 5.

Ordovician, Katian (Caradocian), Craighead Limestone. United Kingdom, Scotland

*Diabolocrinus globularis* (Nicholson and Etheridge, 1881). Ramsbottom, 1961, p. 28, Pl. 8, figs. 10-20. White, E., 1964, p. 60, Pl. 4, fig. 2. Webster, 1973, p. 104. Webster, 1977, p. 68. Donovan, Paul, and Lewis, 1996, p. 218.

*Glyptocrinus globularis* Nicholson and Etheridge, 1881, p. 329, Pl. 22, figs. 9-11. Bassler and Moodey, 1943, p. 308. Ramsbottom, 1961, p. 28. Webster, 1973, p. 104.

*Archaeocrinus globularis* (Nicholson and Etheridge, 1881). Wachsmuth and Springer, 1897, p. 269. Bassler and Moodey, 1943, p. 308.

Ordovician, Katian (Caradocian), Craighead Limestone. United Kingdom, Scotland

*Diabolocrinus hieroglyphicus* Wachsmuth and Springer, 1897 = *D. asperatus* = *D. vesperalis*

*Diabolocrinus oklahomensis* Kolata, 1982, p. 196, Pl. 19, fig. 22. Webster, 1988, p. 69.

Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

*Diabolocrinus perplexus* Wachsmuth and Springer, 1897, p. 250, Pl. 11, figs. 1a-1b, 1d. Miller, S. A., 1897, p. 741. Bassler, 1915, p. 404. Bassler, 1938, p. 86.

Bassler and Moodey, 1943, p. 417. Butts, C., 1941, p. 91, Pl. 89, figs. 1-3.

Moore and Laudon, 1944, p. 185, Pl. 72, fig. 15. Webster, 1973, p. 104. Brower and Veinus, 1974, p. 72. Ubaghs *in* Moore and Teichert, 1978, p. T425, Fig. 234, nos. 1a-1b. Webster, 1986, p. 125.

Ordovician, Sandbian (Chazyan), Ottosee Limestone, Heiskell Shale. United States, Virginia, Tennessee

- Diabolocrinus poolevillensis* Kolata, 1982, p. 197, Pl. 21, figs. 1-5. Webster, 1988, p. 69.  
Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member.  
United States, Oklahoma
- \**Diabolocrinus vesperalis* (White, 1879). Wachsmuth and Springer, 1897, p. 219, 251, Pl. 11, figs. 1c-1d (**Note:** Figure 1d referred to as *D. perplexus*). Bassler, 1915, p. 404. Bassler and Moodey, 1943, p. 417. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 4. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 16. Webster, 1973, p. 104. Brower and Veinus, 1974, p. 71, Pls. 10-11; 12, figs. 1-5. Ubaghs *in* Moore and Teichert, 1978, p. T426, Fig. 234, no. 1c. Webster, 1986, p. 125. Ausich, 2009a, suppl, p. 14.
- Rhodocrinus vesperalis* White, C. A., 1879 (adv. pub.). White, C. A., 1880a, p. 259, Pl. 1, figs. 11-12. White, C. A., 1880b, p. 129, Pl. 35, figs. 4a-4b. White, C. A., 1883a, p. 129. Miller, S. A., 1889, p. 278. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 528. Bassler, 1915, p. 404. Bassler and Moodey, 1943, p. 417.
- Archaeocrinus asperatus* Miller and Gurley, 1894b, p. 19, Pl. 2, figs. 7-9. Miller, S. A., 1897, p. 734, Figs. 1296-1297. Bassler, 1915, p. 403. Bassler and Moodey, 1943, p. 417.
- Diabolocrinus asperatus* (Miller and Gurley, 1894). Bassler, 1915, p. 403. Bassler and Moodey, 1943, p. 417.
- Diabolocrinus asperatus?* (Miller and Gurley, 1894). Butts, C., 1941 (part), p. 91, Pl. 89, figs. 6a-8 only. Webster, 1973, p. 104. Brower and Veinus, 1974, p. 72. Webster, 1986, p. 125.
- Diabolocrinus hieroglyphicus* Wachsmuth and Springer, 1897, p. 252, Pl. 10, figs. 5a-5c. Miller, S. A., 1897, p. 741. Bassler, 1915, p. 403.
- Gilbertsocrinites americanus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 404. Bassler and Moodey, 1943, p. 417.
- Lyriocrinus sculptilis* Miller, S. A., 1882b, p. 83, Pl. 3, figs. 6-6b (typographical error as *L. sculptus* on p. 117). Bassler, 1915, p. 404. Bassler and Moodey, 1943, p. 417.
- Lyriocrinus sculptus* Miller, S. A., 1889, p. 259. Miller, S. A., 1882c, p. 117. (name to replace *L. sculptilis*, preoccupied)
- Archaeocrinus knoxensis* Miller and Gurley, 1895a, p. 34, Pl. 3, figs. 10-12. Miller, S. A., 1897, p. 734. Bassler, 1915, p. 59. Bassler and Moodey, 1943, p. 308. Brower and Veinus, 1974, p. 72. Webster, 1986, p. 125.
- Archaeocrinus parvus* Miller and Gurley, 1894b, p. 21, Pl. 2, figs. 26-28. Bassler, 1915, p. 59. Bassler and Moodey, 1943, p. 309. Brower and Veinus, 1974, p. 72. Webster, 1986, p. 125.
- Archaeocrinus sculptus* Miller, 1882. Miller, S. A., 1889, p. 225, Fig. 250.  
Ordovician, Sandbian (Chazyan), Benbolt Formation; Dryden Limestone; Wardell Formation; Lincolnshire Formation, Hogskin Member; Ottosee Limestone; Heiskell Shale; Sevier Shale. United States, Virginia, Tennessee
- ?*Diabolocrinus* species A Guensburg, 1984, p. 37, Pl. 6, figs. 1-2, 4. Webster, 1988, p. 69.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Diabolocrinus* n. sp. Brower and Veinus, 1974, p. 91, Pl. 13, fig. 1. Webster, 1986, p. 126.

Ordovician, Darrivilian, Pierce Shale. United States, Tennessee

*Diabolocrinus* sp. Ramsbottom, 1961, p. 29, Pl. 4, fig. 10. Webster, 1973, p. 104.

Ordovician, Katian (Caradocian – Ashgillian), Craighead Mudstone, Starfish Bed. United Kingdom

Diagram of a crinoid Westhead, 1978, Fig. 3, no. A. (diagrammatic)

Diagrammatic crinoid crowns James and Klappa, 1989, p. 199, Fig. 7, nos. 1-4.

Webster, 1993, p. 49.  
Middle Ordovician, Table Head Group. Canada, Newfoundland

**DIALUTOCRINUS** Wright, 1955. \**D. milleri* Wright, 1955.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Wright, J., 1955a, p. 241. Webster, 1973, p. 104. Macurda, 1974, p. 821, Figs. 1-2. Bowsher *in* Moore and Teichert, 1978, p. T460. Webster, 1986, p. 126.

Webster and Lane, 1987, p. 12. Westhead, 1978, p. 478. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 49. Ausich and Sevastopulo, 2001, p. 45.

Named, currently recognized species based on cups or crowns: 9 Mississippian, Tournaisian species

Mississippian, upper Tn<sub>2</sub> - middle Tn<sub>3</sub>. Europe

Mississippian, Tournaisian: United Kingdom, Scotland, Clithereoe

Mississippian, Tournaisian. Australia, New South Wales

*Dialutocrinus aculeatus* (Austin and Austin, 1843). Wright, J., 1955a, p. 247, Pls. 58, fig. 4; 59, figs. 4, 8-9; 60, figs. 1-4, 6; 61, figs. 4, 9; 65, figs. 1-2; 80, fig. 6; Figs. 118, 122. Webster, 1973, p. 104. Bowsher *in* Moore and Teichert, 1978, p. T460, Fig. 267, no. 1c. Webster, 1986, p. 126. Ausich and Sevastopulo, 2001, p. 57, Pl. 7, figs. 1-5.

*Actinocrinites aculeatus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 200. Wachsmuth and Springer, 1881, p. 223 (397). Bassler and Moodey, 1943, p. 266. Wright, J., 1955a, p. 247. Webster, 1973, p. 104.

*Actinocrinus aculeatus* (Austin and Austin, 1843). Bronn, 1848, p. 14.

Mississippian, Tournaisian. United Kingdom

*Dialutocrinus austini* Ausich and Sevastopulo, 2001, p. 60, Pl. 7, figs. 7-8, 6?.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia Beds* and *Linoproductus Beds*. Ireland

*Dialutocrinus cataphractus* (Austin and Austin, 1843). Wright, J., 1955a, p. 248, Pls. 59, figs. 1, 5-6; 61, fig. 2; 65, fig. 4; Fig. 123. Webster, 1973, p. 105.

Ausich and Sevastopulo, 2001, p. 62, Pl. 7, fig. 9, *nomen dubium*.

*Actinocrinites cataphractus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 200. Bassler and Moodey, 1943, p. 268. Wright, J., 1955a,

- p. 248. Webster, 1973, p. 105.  
Mississippian, late Tournaisian, Hook Head Formation. Ireland
- Dialutocrinus cataphractus* (Austin and Austin); Wright, 1955 (part) = *Dialutocrinus icosidactylus*
- Dialutocrinus elephantinus* (Austin and Austin, 1843) = *Dialutocrinus icosidactylus*
- Dialutocrinus elephantinus* (Austin and Austin); Wright, 1955 (part) = *Dialutocrinus polydactylus*
- Dialutocrinus?* *granulatus* Wright, J., 1955 = *Actinocrinites granulatus*
- Dialutocrinus icosidactylus* (Gilbertson in Portlock, 1843). Wright, J., 1955b, p. 255, Pl. 65, fig. 8. Webster, 1973, p. 105. Ausich, Sevastopulo, and Torrens, 1999, p. 187, Fig. 2. Ausich and Sevastopulo, 2001, p. 54, Pl. 6, figs. 1-6.
- Actinocrinites icosidactylus* Gilbertson in Portlock, 1843, p. 348, Pl. 15, fig. 7. Quenstedt, 1885, p. 955, Pl. 77, fig. 3. (Given as *Actinocrinus icosidactylus* on plate explanation). Bassler and Moodey, 1943, p. 270. Wright, J., 1955b, p. 255. Webster, 1973, p. 255. Ausich, Sevastopulo, and Torrens, 1999, p. 187, Fig. 2.
- Actinocrinus icosidactylus* (Gilbertson in Portlock, 1843). Bronn, 1848, p. 14. de Koninck and Le Hon, 1853, p. 141, Pls. 2, fig. 4; 4, fig. 6. Dujardin and Hupé, 1862, p. 139. Miller, S. A., 1889, p. 218. Julien, 1896, p. 135, Pl. 5, figs. 1-2. Bassler and Moodey, 1943, p. 270.
- Dialutocrinus elephantinus* (Austin and Austin, 1843). Wright, J., 1955a (part), p. 250, Pl. 61, figs. 1, 7. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 55.
- Actinocrinites elephantinus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 200. Bassler and Moodey, 1943, p. 269. Wright, J., 1943b, p. 231, Pl. 8, figs. 1, 3. Wright, J., 1955a, p. 250. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 55.
- Actinocrinus elephantinus* Austin and Austin, 1843. Bronn, 1848, p. 14.
- Cusacrinus elephantinus* (Austin and Austin, 1843). Bowsher, 1955b, p. 12. Ausich and Sevastopulo, 2001, p. 55.
- Dialutocrinus cataphractus* (Austin and Austin, 1843). Wright, J., 1955a, p. 248, Pl. 64, fig. 3. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 62, Pl. 7, fig. 9.
- Actinocrinus cataphractus* (Austin and Austin, 1843). Bronn, 1848, p. 14.
- Dialutocrinus laevissimus* (Austin and Austin); Wright, 1955 (part), Pl. 59, fig. 7. Ausich and Sevastopulo, 2001, p. 55.
- Dialutocrinus* sp. Wright, 1955b, p. 257, Pl. 60, fig. 7. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 55.
- Dialutocrinus?* sp. Wright, 1955b, p. 257, Pl. 59, fig. 3. Ausich and Sevastopulo, 2001, 55.
- Mississippian, late Tournaisian, Hook Head Formation. Ireland, United Kingdom
- Dialutocrinus laevissimus* (Austin and Austin, 1843) = *Actinocrinites laevissimus*

*Dialutocrinus laevisissimus* (Austin and Austin); Wright, 1955 (part) = *Dialutocrinus icosidactylus*

*Dialutocrinus longispinosus* (Austin and Austin, 1843). Wright, J., 1955a, p. 254, Pls. 58, fig. 5; 59, fig. 2; 61, fig. 3; 64, fig. 10; Fig. 125. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 61, Pl. 7, fig. 10, *nomen dubium*.

*Actinocrinites longispinosus* Austin and Austin, 1842, p. 109 (*nomen nudum*). Austin and Austin, 1843, p. 201. Bassler and Moodey, 1943, p. 271. Wright, J., 1955a, p. 254. Webster, 1973, p. 105.

*Actinocrinus longispinus* (Austin and Austin, 1843). Bronn, 1848, p. 14 (sic). Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Dialutocrinus mcoyi* Ausich and Sevastopulo, 2001, p. 52, Pl. 6, figs. 8-13. Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

\**Dialutocrinus milleri* Wright, J., 1955a, p. 242, Pls. 58, fig. 1; 64, fig. 6; Figs. 117, 120. Webster, 1973, p. 105. Bowsler *in* Moore and Teichert, 1978, p. T460, Fig. 267, no. 1b. Webster, 1986, p. 126. Ausich and Sevastopulo, 2001, p. 46, Pl. 4, figs. 13-15.

*Actinocrinites triacontadactylus* Miller, J. S., 1821, Pl. i, fig. 1A only. Wright, J., 1955a, p. 242. Webster, 1973, p. 105.

*Encrinites loricatus* Schlotheim, 1820; Schlotheim, 1823 (part), p. 99, Pl. 27, fig. 3a. Ausich and Sevastopulo, 2001, p. 46.

Mississippian, Tournaisian, Black Rock Limestone?. United Kingdom

*Dialutocrinus polydactylus* (Miller, 1821). Wright, J., 1955a, p. 245, Pl. 58, figs. 2-3; Fig. 121. Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 49, Pl. 5, figs. 4-13.

*Actinocrinites polydactylus* Miller, J. S., 1821, p. 103, Pls. 1-2. Bronn, 1825, p. 8, Pl. 3, fig. 8. Fleming, 1828, p. 495. Blainville, 1834, p. 261, Pl. 28, fig. 1. de Koninck, 1898, p. 122, Pl. 6, fig. 3 (Not *D. polydactylus*, GDW). Bassler and Moodey, 1943, p. 273. Wright, J., 1955a, p. 245. Webster, 1973, p. 105.

*Actinocrinus polydactylus* (Miller, 1821). Phillips, 1836, p. 206, Pl. 4, figs. 17-18. de Koninck, 1842, p. 51, Pl. G, figs. 3a-3b (Not *D. polydactylus*, GDW). Bronn, 1848, p. 14. d'Orbigny, 1850, p. 155. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 248, Pl. 4, figs. 4a-4b. Roemer, C. F., 1852-1854, p. 248, Pl. 4, figs. 4a-4b. Dujardin and Hupé, 1862, p. 141. Shumard, 1868, p. 347. Baily, 1875, Pl. 36, fig. 9. Miller, S. A., 1889, p. 219. Bassler and Moodey, 1943, p. 273.

*Encrinites polydactylus* Schlotheim, 1822-1823, p. 100, Pls. 27, fig. 4a; 28, figs. 1a-1e. Schlotheim, 1832, p. 25, Pl. 27, fig. 4; 28, figs. 1a-1e. Bassler and Moodey, 1943, p. 273.

*Encrinites loricatus* Schlotheim, 1820; Schlotheim, 1823 (part), p. 99, Pl. 27, fig. 4a. Ausich and Sevastopulo, 2001, p. 50.

*Dialutocrinus elephantinus* (Austin and Austin); Wright, 1955a (part), Pls. 64, fig. 2; 65, fig. 3. Ausich and Sevastopulo, 2001, p. 50.

*Dialutocrinus* sp. 1 Ausich and Sevastopulo, 1994, p. 248, Fig. 4, no. e-g, k, m.  
Ausich and Sevastopulo, 2001, p. 50.

Mississippian, Tournaisian, Mountain Limestone; Hook Head Formation, *Michelinia* Beds through *Linoproductus* Beds. United Kingdom; Ireland; Belgium; Germany  
Mississippian?, Glen William Sandstone. Australia, New South Wales

*Dialutocrinus tessellatus* (Phillips, 1836). Wright, J., 1955a, p. 244, Pls. 58, fig. 9; 62.  
Webster, 1973, p. 105. Ausich and Sevastopulo, 2001, p. 48, Pl. 5, figs.  
1-2.

*Actinocrinus tessellatus* Phillips, 1836, p. 206, Pl. 4, fig. 21. d'Orbigny, 1850, p.  
155. Dujardin and Hupé, 1862, p. 139. Rofe, 1865b, p. 246, Pl. 8, fig. 3.

Bassler and Moodey, 1943, p. 275. Wright, J., 1955a, p. 244. Webster, 1973, p.  
105.

*Actinocrinites tessellatus* (Phillips, 1836). Bassler and Moodey, 1943, p. 275.

*Actinocrinus tessellatus* Phillips, 1836. Bronn, 1848, p. 14 (sic).

Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Ireland

*Dialutocrinus* sp. 1 Ausich and Sevastopulo, 1994 = *Dialutocrinus polydactylus*

*Dialutocrinus* sp. indet. Ausich and Sevastopulo, 1994, p. 249, Figs. 3, no. D; 4, nos.  
b, h, j, l, p.

Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Dialutocrinus* sp. Wright, J., 1955b = *Dialutocrinus icosidactylus*

*Dialutocrinus?* sp. Wright, J., 1955b = *Dialutocrinus icosidactylus*

*Dialutocrinus* spp.

Wright, J., 1958, Pl. 80, fig. 7. Webster, 1973, p. 105.

Mississippian, Tournaisian. Ireland

Wright, J., 1960, p. 334, Appendix, Pl. A, fig. 11. Webster, 1973, p. 105.

Mississippian, Tournaisian. United Kingdom

*Dialutocrinus?* sp. Webster and Jell, 1999a, p. 253, Fig. 10, nos. A-C.

Mississippian, Viséan?, Caswell Creek Group. Australia, Queensland

**DIAMENOCRINUS** Oehlert, 1891. \**D. jouani* Oehlert, 1891.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Oehlert, 1891, p. 836. Jaekel, 1895a, p. 2. Bather in Lankester, 1900, p. 200.

Springer in Zittel, 1913, p. 189. Ehrenberg, 1922c, p. 276. Schmidt, W. E.,  
1934,

p. 121, 143. Bassler, 1938, p. 86. Bassler and Moodey, 1943, p. 417. Moore and  
Laudon, 1943b, p. 83. Ubaghs, 1953, p. 735. Arendt and Hecker, 1964, p. 95.

Webster, 1973, p. 105. Le Menn in Le Menn *et al.*, 1976, p. 48. Webster, 1977,

p.

68. Ubaghs in Moore and Teichert, 1978, p. T426. Le Menn, 1985, p. 32.

Webster, 1986, p. 126. Webster, 1988, p. 69. Webster, 1993, p. 49. Franke, C.,

2012, p. 47.

Named, currently recognized species based on cups or crowns: 6 Devonian species,  
2 Pragian, 4 Emsian  
Early - Middle Devonian. Germany, France, Belgium, Luxemburg

*Diamenocrinus floreus* Le Menn, 1976. Franke, C., 2012, p.47, Pl. 20; Fig. 8.  
Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge;  
Luxemburg

*Diamenocrinus gonatodes* (Müller, 1855). Jaekel, 1895a, p. 28. Schmidt, W. E., 1942,  
p. 204, Pls. 11, fig. 2; 18, fig. 1; Fig. 56. Bassler and Moodey, 1943, p. 417.  
Wanner, 1943, p. 33, Unnum. Fig. p. 33. Lehmann, 1955, Pls. 15, fig. 6; 16, figs.  
7-10; 17, fig. 13; Fig. 1. Webster, 1973, p. 106. Webster, 1977, p. 68.  
*Rhodocrinus gonatodes* J. Müller in Zeiler and Wirtgen, 1855, p. 12, Pls. 3, fig. 3; 4,  
fig. 2; 5, figs. 1-4; 10, figs. 1-2 (*non* fig. 1). Bassler and Moodey, 1943, p. 418.  
*Rhipidocrinus gonatodes* (Müller, 1855). Drevermann, 1907, p. 134, Pl. 1, fig. 13.  
*Diamenocrinus grandis* Jaekel, 1895. Schmidt, W. E., 1942, p. 204. Bassler and  
Moodey, 1943, p. 417. Ubaghs, 1947, p. 3. Webster, 1973, p. 106.  
*Diamenocrinus pachydactylus* Jaekel, 1895a, p. 28. Schmidt, W. E., 1942, p. 204.  
Bassler and Moodey, 1943, p. 417. Ubaghs, 1947, p. 3. Webster, 1973, p. 106.  
Devonian, Emsian, Singhofener Beds. Germany

*Diamenocrinus grandis* Jaekel, 1895 = *D. gonatodes*

\**Diamenocrinus jouani* Oehlert, 1891, p. 836, Pl. 18, figs. 2-4; Fig. 2. Kirk, 1911, p. 57.  
Ehrenberg, 1922c, p. 277, fig. 8. Bassler, 1938, p. 86. Bassler and Moodey,  
1943, p. 417. Ubaghs in Moore and Teichert, 1978, p. T426, Fig. 234, no. 2. Le  
Menn, 1985, p. 34, Pl. 2, figs. 1-3; Fig. 12, no. B. Webster, 1986, p. 126. Le  
Menn, 1987b, p. 815, Pl. 1, fig. 11. Webster, 1988, p. 69. Webster, 1993, p. 50.  
Gil *et al.*, 1999, p. 862, Fig. 1, no. a. Torres, Gil Cid, and Domínguez, 1999, p.  
195, Fig. 1.  
Devonian, Pragian (late Siegenian) Pont-aux-Bouchers Formation. France,  
Armorican Massif

*Diamenocrinus opitzi* Schmidt, W. E., 1932, p. 121, Pl. 33. Bassler and Moodey, 1943,  
p. 417.  
Devonian, early Emsian, Hunsrückschieffer. Germany

*Diamenocrinus* sp. cf. *opitzi* Schmidt, 1934. Sieverts-Doreck, 1957, p. 63, Fig. 1.  
Webster, 1973, p. 106.  
Devonian, Emsian, Herdorf Beds. Germany

*Diamenocrinus pachydactylus* Jaekel, 1895 = *Diamenocrinus gonatodes*

*Diamenocrinus primaevus* Le Menn, 1970a, p. 15, Pls. 1, figs. 1-3; 2, figs. 1-4; 3, figs.  
1-7; 4, figs. 1-3; Fig. 7-8. Le Menn, 1970b, p. 367, Fig. 2. Le Menn in Le Menn  
and Racheboeuf, 1976, p. 305, Pl. 31, figs. 1-6. Webster, 1977, p. 68. Le Menn,



1985, p. 32, Pl. 1, figs. 1-9; Figs. 2, no. A, 12, no. A; 74, no. A; 82, no. A.  
Webster, 1986, p. 126. Webster, 1988, p. 70.

Devonian, Pragian (late Siegenian), Faou Formation. France, Armorican Massif

*Diamenocrinus stellatus* Jaekel, 1895a, p. 28. Maillieux, 1936a, p. 41, Pl. 1, fig. 1.  
Schmidt, W. E., 1942, p. 201, Pl. 11, figs. 3-4; Fig. 55. Bassler and Moodey,  
1943, p. 418. Ubaghs, 1947, p. 9, Pls. 1, figs. 5-7; 2, figs. 10-12; 3, figs. 14-15;  
Fig. 1. Ubaghs, 1953, p. 704, Fig. 62. Lehmann, 1955, p. 138, Pls. 15, fig. 11;  
16,  
fig. 12. Webster, 1973, p. 106. Kutcher, 1977, p. 48. Ubaghs *in* Moore and  
Teichert, 1978, p. T171, Fig. 145, no. 1. Webster, 1986, p. 126. Le Menn, 1987a,  
p. 217, Pl. 2, fig. 1. Webster, 1993, p. 50. Bartels and Brassel, 1990, p. 155, Fig.  
140, no. b. Bartels, Briggs, and Brassel, 1998, p. 174, Fig. 150. Südkamp, 2007,  
p. 196, Fig. 12, no. D.  
Devonian, Emsian, Hunsrück Slate; Saint-Cenere Formation;  
Quartzophyllades. Germany; France; Belgium

*Diamenocrinus aff. stellatus* Jaekel, 1895. Breuer *et al.*, 1992, p. 62, Pl. 10, fig. 3.  
Devonian, Emsian. Germany

*Diamenocrinus* spp.

Termier, G. and Termier, H., 1950, p. 83, Pl. 219, fig. 4. Webster, 1973, p. 106.  
Early Devonian. Morocco  
Breimer, 1962a, p. 9, Pl. 1, figs. 7-9. Webster, 1973, p. 106.  
Devonian, early Emsian. Spain

**DIANOBASIS** Moore, 1939. *Nomen vetitum* \**Dichocrinus lineata* Meek and  
Worthen, 1869.

Moore, 1939b, p. 205. Jeffords *in* Moore and Teichert, 1978, p. T936. (basal or  
infrabasal circlets)  
Mississippian, Viséan (Osagean). United States, Missourian

\**Dianobasis lineata* (Meek and Worthen, 1873) = *Strimplecrinus striatus*

**DIAPHOROCRINUS** Eckert, 1984. \**D. pleniramulus* Eckert, 1984.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae  
Eckert, 1984, p. 23. Ausich, 1984a, p. 1183. Webster, 1988, p. 70. Harvey and  
Ausich, 1997, p. 302. Ausich, 1998b, p. 27.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandeilian? species  
Silurian, Llandeilian?. Canada, Ontario

\**Diaphorocrinus pleniramulus* Eckert, 1984, p. 24, Pl. 4, figs. 1-4; Fig. 11, nos. A-D.  
Webster, 1988, p. 70.  
Silurian, Llandeilian?, Cabot Head Formation. Canada, Ontario

**DIATOROCRINUS** Wright, 1955 = **ACTINOCRINITES**

*Diatorocrinus adversus* Wright, 1955 = *Actinocrinites adversus*

*Diatorocrinus anglicus* Wright, 1955 = *Actinocrinites anglicus*

*Diatorocrinus angustus* Wright, 1955 = *Actinocrinites angustus*

*Diatorocrinus venustus* Wright, 1955 = *Actinocrinites venustus*

*Diatorocrinus?* sp. Hashimoto, 2001, p. 11, Pl 4, fig. 4; Fig. 6, no. 1.

Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group. Southwest Japan

*DICHIROCRINUS* Jaekel, 1918. No species named

Jaekel, 1918, p. 88. Bassler, 1938, p. 86. Bassler and Moodey, 1943, p. 418.

Dichocrinid indet. Webster et al., 2011, p. 18, Fig. 6, no. c.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Dichocrinid? radial indet. #1 Webster, 1987, p. 104, Fig. 5, no. G. Webster, 1993, p. 50.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

Dichocrinid? radial indet. #2 Webster, 1987, p. 105, Fig. 5, no. I. Webster, 1993, p. 50.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

Dichocrinid? radial indet. #3 Webster, 1987, p. 105, Fig. 5, no. D. Webster, 1993, p. 50.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

Dichocrinidae indet. 1 Hlebszevitsch, 2005, p. 605, Fig. 4, nos. A, C, E, J. K.

Pennsylvanian, Las Salinas Formation, LS2 Member. Argentina

Dichocrinidae? indet. 2 Hlebszevitsch, 2005, p. 607, Fig. 4, no. D.

Pennsylvanian, Las Salinas Formation, LS2 Member. Argentina

Dichocrinidae indet. 3 Hlebszevitsch, 2005, p. 607, Fig. 4, no. B.

Pennsylvanian, Las Salinas Formation, LS2 Member. Argentina

Dichocrinidae indet. 4 Hlebszevitsch, 2005, p. 607, Fig. 4, no. G.

Pennsylvanian, Las Salinas Formation, LS2 Member. Argentina

Dichocrinidae? radial indeterminate 1 Webster et al., 2011, p. 16, Fig. 5, no. f.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Dichocrinidae? radial indeterminate 2 Webster et al., 2011, p. 16, Fig. 5, no. g.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Dichocrinidae? radial indeterminate 3 Webster et al., 2011, p. 18, Fig. 5, no. h.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Dichocrininae indet. Webster and Lane, 1987, p. 34, Fig. 6, nos. 16-17. Webster, 1993, p. 50.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*DICHOCCRINITES* Geinitz, 1846 = ***DICHOCCRINUS***

***DICHOCCRINUS*** Münster, 1839. \**D. radiatus* Münster, 1839.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Münster, 1839, p. 2. de Koninck, 1842-1844, p. 39. Austin and Austin, 1843, p. 45. d'Orbigny, 1849-51, p. 145. d'Orbigny, 1850, p. 157. de Koninck and Le Hon, 1853, p. 146. Dujardin and Hupé, 1862, p. 156. Shumard, 1868, p. 365. Zittel, 1879, p. 365. Pictet, 1857, p. 333. Wachsmuth and Springer, 1881, p. 81 (255). Quenstedt, 1885, p. 953. Miller, S. A., 1889, p. 239. Zittel, 1895, p. 127. Wachsmuth and Springer, 1897, p. 753. Bather *in* Lankester, 1900, p. 159. Grabau and Shimer, 1910, p. 520. Springer *in* Zittel, 1913, p. 201. Jaekel, 1918, p. 38. Abel, 1920, p. 256, Fig. 396. Springer, 1926b, p. 39. Bassler, 1938, p. 86. Bassler and Moodey, 1943, p. 418. Moore and Laudon, 1943b, p. 96, Fig. 16. Moore and Laudon, 1944, p. 197, Pl. 71, fig. 17. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 740. Spreng and Parks, 1953, p. 591, Fig. 1, no. d. Yakovlev, 1964b, p. 58, Fig. 60. Arendt and Hecker, 1964, p. 96. Strimple and Watkins, 1969, p. 221. Brower, 1970, p. 571. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 106. Horowitz and Strimple, 1974, p. 213. Webster, 1977, p. 68. Lane *in* Moore and Teichert, 1978, p. T477. Broadhead and Strimple, 1980, p. 37, Fig. 2, no. A. Willink, 1980b, p. 227. Broadhead, 1981, p. 103. Haude, 1981, p. 188, Fig.

5. Burdick and Strimple, 1983a, p. 173. Webster, 1986, p. 127. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 70. Webster, 1993, p. 50. Ausich and Sevastopulo, 2001, p. 64. Webster, et al., 2003, p. 7.

*COTYLEDONOCRINUS* Casseday and Lyon, 1862, p. 26. \**C. pentalobus* Casseday and Lyon, 1862. Shumard, 1868, p. 360. Wachsmuth and Springer, 1881, p. 77 (251). Miller, S. A., 1889, p. 234. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 418. Lane *in* Moore and Teichert, 1978, p. T477.

*DICHOCCRINITES* Geinitz, 1846, p. 560. Bassler, 1938, p. 86. Bassler and Moodey, 1943, p. 418. Lane *in* Moore and Teichert, 1978, p. T477.

Named, currently recognized species based on cups or crowns: 42 species. 36

Mississippian, 20 Tournaisian, 13 Viséan, 2 Meramecian, 1  
Viséan - Serpukhovian; 3 Pennsylvanian, 1 Morrowan, 1 Desmoinesian, 1  
Missourian; 3 Permian, 2 Artinskian, 1 ?Wordian

Mississippian, late Tn<sub>2</sub> - V<sub>1a</sub>: Europe; Russia

Pennsylvanian, Westphalian. Algeria

Mississippian, Tournaisian (late Kinderhookian) - Pennsylvanian, Missourian. North America

Permian, Artinskian, Wordian. Australia

- Dichocrinus angustus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 19. Shumard, 1868, p. 365. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 220. Ehrenberg, 1930a, p. 323, Pl. 17, fig. 5. Bassler and Moodey, 1943, p. 418. Ubaghs *in* Moore and Teichert, 1978, p. T87, Fig. 62, no. 3. Webster, 1986, p. 127.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Dichocrinus angustus* Wachsmuth and Springer, 1897 (part) = *Dichocrinus* sp. A
- Dichocrinus angustus* Wachsmuth and Springer, 1897 (part) = *Auliskocrinus crassitestus*
- Dichocrinus* cf. *angustus* Springer, 1926 = *Dichocrinus angustus*
- Dichocrinus?* *australis* Willink, 1980b, p. 231, Figs. 2, nos. A-G; 3, nos. A-C. Broadhead, 1981, p. 143. Webster, 1986, p. 127. Webster, 1988, p. 70.  
Permian, upper Artinskian, Wandrawandian Siltstone. Australia, New South Wales
- Dichocrinus blairi* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 677. Miller, S. A., 1892b, p. 646, Pl. 8, fig. 12. Keyes, 1894a, p. 205, Pl. 25, fig. 7. Miller, S. A., 1897, p. 741, Fig. 1332. Wachsmuth and Springer, 1897, p. 778, Pl. 75, fig. 3. Weller, S., 1898c, p. 220. Bassler and Moodey, 1943, p. 418. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 68. Broadhead, 1981, p. 105, Pl. 3, fig. 9. Webster, 1988, p. 70.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Missouri
- Dichocrinus blatchleyi* Beede, 1906 = *Hyrtanecrinus ornatus*
- Dichocrinus bozemanensis* Miller and Gurley, 1897 = *Dichocrinus douglassi*
- Dichocrinus bozemanensis* Laudon, 1933 = *Platycrinites bozemanensis*
- Dichocrinus bozemanensis* Laudon and Severson, 1953 = *Dichocrinus laudoni*
- Dichocrinus campto* Laudon, 1933 = *Strimplecrinus campto*
- Dichocrinus chesterensis* (Meek and Worthen, 1860) = *Pterotocrinus chesterensis*
- Dichocrinus* (*Pterotocrinus*) *chesterensis* Meek and Worthen, 1860 = *Pterotocrinus chesterensis*
- Dichocrinus cinctus* Miller and Gurley, 1890a, p. 21, Pl. 4, figs. 10-12. Miller and Gurley, 1890b, p. 342, Pl. 4, figs. 10-11 (imprint 1889). Miller and Gurley, 1892a, p. 677, Fig. 1224. Wachsmuth and Springer, 1897, p. 764, Pls. 75, fig. 5; 77, figs. 4a-4c. Weller, S., 1898c, p. 220. Laudon and Beane, 1937, p. 251, Pl. 19, fig. 2.  
Bassler  
and Moodey, 1943, p. 418. Boyt, 1962, Unnum. Fig. p. 11. Laudon, 1973b, p. 32,

Fig. 7. Webster, 1977, p. 69. Broadhead, 1981, p. 106, Pl. 1, figs. 1-3, 11-12, 16;

Fig. 2, no. A. Broadhead, 1985, p. 208, Fig. 2, no. G. Webster, 1988, p. 70. Gahn

and Baumiller, 2005, p. 154, Fig. 3, no. A. Mississippian, Tournaisian (Kinderhookian), Tn<sub>2</sub>, Hampton Formation, Maynes Creek Member. United States, Iowa

*Dichocrinus cirrifer* Wachsmuth and Springer, 1897 = *Camptocrinus cirrifer*

*Dichocrinus (Camptocrinus) cirrifer* Wachsmuth and Springer, 1897 = *Camptocrinus cirrifer*

*Dichocrinus cirriferosus* Burdick and Strimple, 1983a = *Camptocrinus parvulus*

*Dichocrinus conlini* (Strimple and Watkins, 1969). Broadhead, 1981, p. 107, Pl. 8, Figs. 2-3. Webster, 1988, p. 70.

*Stomiocrinus conlini* Strimple and Watkins, 1969, p. 222, Pl. 40, figs. 1-4. Webster, 1977, p. 161. Broadhead, 1981, p. 107. Webster, 1988, p. 70.

Pennsylvanian, Missourian, Graford Formation, shales below Rockhill Limestone. United States, Texas

*Dichocrinus constrictus* Meek and Worthen, 1860 = *Talarocrinus constrictus*

*Dichocrinus conus* Meek and Worthen, 1860, p. 381. Meek and Worthen, 1866a, p. 169,

Pl. 16, figs. 5a-5b. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239.

Wachsmuth and Springer, 1897, p. 770, Pl. 75, fig. 6. Weller, S., 1898c, p. 221.

Bassler and Moodey, 1943, p. 419. Broadhead, 1981, p. 107, Pl. 7, figs. 1-3, 6, 12-13, 16. Webster, 1988, p. 71.

Mississippian, Viséan (Osagean), Burlington Limestone; Boone Formation. United States, Illinois, Missouri, Iowa, Arkansas

*Dichocrinus cornigerus* Shumard, 1857 = *Talarocrinus cornigerus*

*Dichocrinus coxanus* Worthen, 1882 = *Strimpleocrinus coxanus*

*Dichocrinus crassitestus* White, 1862 = *\*Auliskocrinus crassitestus*

*Dichocrinus crassus* (Meek and Worthen, 1860) = *Pterotocrinus crassus*

*Dichocrinus (?Pterotocrinus) crassus* Meek and Worthen, 1860 = *Pterotocrinus crassus*

*Dichocrinus damghanensis* Webster, Maples, and Yazdi, 2007, p. 1109, Fig. 3, no. 7. Mississippian, Tournaisian, Mobarak Formation. Northern Iran

*Dichocrinus? darlingtonensis* Willink, 1980b, p. 232, Figs. 2, nos. H-S; 4, nos. A-D. Broadhead, 1981, p. 143. Webster, 1986, p. 127. Webster, 1988, p. 71. Permian, early Artinskian, Crinoideal zone on Maria Island. Australia, Tasmania

*Dichocrinus delicatus* Wachsmuth and Springer, 1897, p. 766, Pl. 77, fig. 13. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 221. Laudon and Beane, 1937, p. 250, Pl. 17, fig. 4. Bassler and Moodey, 1943, p. 419. Moore and Laudon, 1944, p. 197, Pl. 78, fig. 2. Laudon, 1973b, p. 32, Fig. 7. Webster, 1973, p. 106. Webster, 1977, p. 69. Broadhead, 1981, p. 108, Pl. 1, figs. 9-10, 15. Broadhead, 1985, p. 208, Fig. 2, no. F. Webster, 1988, p. 71. Webster, 1997, p. 13, Pl. 2, fig. 8. Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Maynes Creek Member; Henderson Canyon Formation; Brush Canyon Member. United States, Iowa, Utah

*Dichocrinus dichotomus* Hall, 1859a, p. 85, Pl. 1, fig. 5. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 777. Weller, S., 1898c, p. 221. Bassler and Moodey, 1943, p. 419. Broadhead, 1981, p. 109, Pl. 6, figs. 16-18. Webster, 1988, p. 71. Mississippian, Viséan (Osagean), Keokuk Formation; Warsaw Formation. United States, Illinois

*Dichocrinus dilatatus* Strimple and Watkins, 1969, p. 222, Pls. 36, fig. 5; 41, figs. 3-4. Webster, 1977, p. 69. Broadhead, 1981, p. 110, Pl. 2, figs. 1, 5. Webster, 1988, p. 71. Pennsylvanian, Morrowan, Marble Falls Formation, Lemons Bluff Member. United States, Texas

*Dichocrinus disparbrachialis* Broadhead, 1981, p. 110, Pl. 1, figs. 6-8, Fig. 2, no. B. Webster, 1988, p. 71.

*Dichocrinus* sp. Laudon, Parks, and Spreng, 1952 (part). Broadhead, 1981, p. 110. Webster, 1988, p. 71.

Mississippian, Tournaisian, Tn<sub>2</sub>, Banff Formation. Canada, Alberta

*Dichocrinus douglassi* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 419. Laudon and Severson, 1953, p. 535, Pl. 54, fig. 10. Webster, 1973, p. 107. Broadhead, 1981, p. 111, Pl. 6, figs. 1-2, 6, 10, 13-15; Figs. 2, no. C; 8, no. A. Webster, 1988, p. 71. Gahn, 1995, p. 114, Fig. 3, nos. 2-3.

*Platycrinus douglassi* Miller and Gurley, 1896c, p. 86, Pl. 5, figs. 18-19. Miller and Gurley, 1897, p. 750. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 419.

*Dichocrinus bozemanensis* Miller and Gurley, 1897, p. 44, Pl. 3, fig. 4. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 220. Bassler and Moodey, 1943, p. 418. Laudon, Parks, and Spreng, 1952, p. 574, Pl. 68, fig. 28. Jacobson, 1970, p. 232, Pl. 3, fig. 5. Laudon, 1973b, p. 32, Fig. 7. Webster, 1973, p. 106. Webster, 1977, p. 68. Broadhead, 1981, p. 111. Webster, 1988, p. 71. Gahn, 1995, p.

114,

Fig. 3, no. 1.

*Dichocrinus* sp. Laudon, Parks, and Spreng, 1952 (part). Broadhead, 1981, p. 111. Webster, 1988, p. 71.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation; Gilmore City Formation; Banff Formation. United States, Montana, Iowa; Canada, Alberta

*Dichocrinus elegans* de Koninck and Le Hon, 1854, p. 153, Pl. 4, figs. 13a, 13b.

Dujardin and Hupé, 1862, p. 156. Bassler and Moodey, 1943, p. 419. Moore, 1948, p. 390, Fig. 11. Webster, 1973, p. 107. Broadhead, 1981, p. 112, Pls. 4, figs. 5, 11; 5, figs. 1-4, 6-9, 12; Fig. 8, nos. B-D. Broadhead, 1985, p. 211, Fig. 5, no. C. Webster, 1988, p. 72. Ausich and Sevastopulo, 1994, p. 249, Fig. 6. Ausich and Sevastopulo, 2001, p. 65, Pl. 7, figs. 15-17.

*Dichocrinus fusiformis* Austin and Austin, 1844. Wright, J., 1956, Pl. 75, fig. 5 only. Broadhead, 1981, p. 112. Webster, 1988, p. 72.

?*Dichocrinus intermedius* de Koninck and Le Hon, 1854, p. 150, Pl. 4, fig. 9.

Dujardin and Hupé, 1862, p. 156. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 112. Webster, 1988, p. 72.

?*Dichocrinus sculptus* de Koninck and Le Hon, 1854 (part). Broadhead, 1981, p. 112. Webster, 1988, p. 72.

*Dichocrinus sculptus* de Koninck and Le Hon, 1854. Wright, J., 1956 (part). Broadhead, 1981, p. 112. Webster, 1988, p. 72.

?*Dichocrinus unicus* Wright, J., 1956b, p. 305, Pl. 75, fig. 12 (part). Webster, 1973, p. 108. Broadhead, 1981, p. 112. Webster, 1988, p. 72.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds, Supradolomite Beds. Ireland

*Dichocrinus elegans* Casseday and Lyon, 1862 = *Talarocrinus elegans*

*Dichocrinus elongatus* (Gilbertson, 1836). Wachsmuth and Springer, 1881, p. 83 (257).

Bassler and Moodey, 1943, p. 419. Wright, J., 1956b, p. 304, Pl. 75, figs. 14-15. Webster, 1973, p. 107. Broadhead, 1981, p. 113, Pl. 4, figs. 1, 9, 12-13, 18-19, Fig. 8, nos. E-F. Webster, 1988, p. 72. Ausich and Sevastopulo, 2001, p. 66.

*Platycrinus elongatus* Gilbertson in Phillips, 1836, p. 204, Pl. 3, figs. 24, 26. Austin and Austin, 1843, p. 25, Pl. 2, figs. 9h-9i. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 419.

Mississippian, Tournaisian, Tn<sub>3</sub>, ?Hook Head Formation. ?Ireland. United Kingdom; Belgium

*Dichocrinus expansus* de Koninck and Le Hon, 1854, p. 151, Pl. 4, fig. 10. Dujardin and Hupé, 1862, p. 156. Bassler and Moodey, 1943, p. 419. Moore, 1948, p. 390, Fig. 11. Webster, 1973, p. 107. Broadhead, 1981, p. 114, Pl. 4, figs. 14, 16, 22; Fig. 9 nos. A-F. Webster, 1988, p. 72.

?*Platycrinus schmidtii* Stuckenberg, 1875 (part), Pl. 1, fig. 8; 2, fig. 3 only. Branson, C. C., 1948, p. 208. Yakovlev in Yakovlev and Ivanov, 1956, p. 76. Webster, 1973, p. 108. Broadhead, 1981, p. 114. Bowsher and Strimple, 1986, p. 8, Fig. 23, nos. a-i (after Stuckenberg, 1875). Webster, 1988, p. 72. Webster, 1993, p. 95.

*Platycrinites? schmidtii* (Stuckenberg, 1875). Branson, C. C., 1948, p. 208.

?*Dichocrinus schmidtii* (Stuckenberg, 1875). Yakovlev *in* Yakovlev and Ivanov, 1956, p. 76. Webster, 1973, p. 108. Broadhead, 1981, p. 114. Webster, 1988, p. 72.

Mississippian, Tournaisian, Tn<sub>3</sub>. Belgium; Russia, Timan

*Dichocrinus* cf. *expansus* de Koninck and Le Hon, 1854. Schmidt, W. E., 1930, p. 17, Pl. 2, figs. 10-12, Fig. 3. Lane, Maples, and Waters, 2001b, p. 242, Fig. 2, nos. D, F.

Devonian, Famennian, Etroeungt. Germany

*Dichocrinus expansus* Meek and Worthen, 1868 = *Paradichocrinus polydactylus*

*Dichocrinus ficus* Casseday and Lyon, 1862, p. 24. Shumard, 1868, p. 366. Meek and Worthen, 1873, p. 502, Pl. 14, fig. 5. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 774, Pl. 78, figs. 16a-16b. Weller, S., 1898c, p. 221. Grabau and Shimer, 1910, p. 521. Bassler and Moodey, 1943, p. 420. Van Sant *in* Van Sant and Lane, 1964, p. 121. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 107. Webster, 1977, p. 69. Broadhead, 1981, p. 115, Pl. 8, figs. 11, 14, 16-20. Webster, 1988, p. 72.

*Dichocrinus fiscus* Casseday and Lyon, 1862. Laudon, 1973b, p. 32, Fig. 7. Mississippian, Viséan (Osagean), Edwardsville Formation; Ft. Payne Chert; Keokuk Limestone; Spengen Limestone. United States, Indiana, Missouri, Kentucky, Iowa

*Dichocrinus ficus* Meek and Worthen, 1875 = *Dichocrinus ulrichi*

*Dichocrinus* cf. *D. ficus* Casseday and Lyon, 1862. Feldman, 1989b, p. 908, Fig. 4, no. 2. Webster, 1993, p. 50.

Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member. United States, Kentucky

*Dichocrinus fiscus* Casseday and Lyon, 1862 = *Dichocrinus ficus*

*Dichocrinus fusiformis* Austin and Austin, 1844, p. 47, Pl. 5, figs. 6a-6d. Meek and Worthen, 1875, p. 515, Pl. 29, fig. 7. Bassler and Moodey, 1943, p. 420. Wright, J., 1956b, p. 305, Pl. 75, figs. 3-4, 10-11 only. Broadhead, 1981, p. 116, Pl. 5, figs. 5, 9-11; Fig. 9, no. G. Webster, 1988, p. 72. Ausich and Sevastopulo, 2001, p. 64, Pl. 7, figs. 18-19.

*Platycrinus ornatus* de Koninck and Le Hon, 1854, p. 177, Pl. 5, figs. 4b-4c only. Broadhead, 1981, p. 116. Webster, 1988, p. 72.

?*Dichocrinus sculptus* de Koninck and Le Hon, 1854, p. 154, Pl. 4, fig. 14c only. Broadhead, 1981, p. 116. Webster, 1988, p. 72.

?*Dichocrinus unicus* Wright, J., 1956b, p. 305, Pl. 75, fig. 12 (part). Webster, 1973, p. 108. Broadhead, 1981, p. 116. Webster, 1988, p. 72.

Mississippian, Tournaisian, Tn<sub>3</sub>, Hook Head Formation. United Kingdom; Ireland, Belgium



*Dichocrinus fusiformis* Austin and Austin, 1844; Wright, 1956 (part) = *D. elegans*

*Dichocrinus* cf. *fusiformis* Austin and Austin, 1844. Wright, J., 1960, p. 334, Appendix, Pl. A, fig. 4. Webster, 1973, p. 107.  
Mississippian, Tournaisian. United Kingdom

*Dichocrinus?* *gerringongensis* Webster, 1990, p. 53, Pl. 3, fig 1. Webster, 1993, p. 50.  
Permian, precise locality and horizon unknown, probably Wordian, Broughton Formation, Westley Park Sandstone Member. Australia, New South Wales

*Dichocrinus girtyi* Weller, 1920 = *Hyrtanecrinus inflatus*

*Dichocrinus gracilis* Broadhead, 1981, p. 117, Pls. 2, fig. 2; 3, figs. 8, 11. Webster, 1988, p. 72.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Keokuk Limestone. United States, Iowa, Illinois

*Dichocrinus granulosus* de Koninck and Le Hon, 1854, p. 152, Pl. 4, fig. 1. Dujardin and Hupé, 1862, p. 156. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 118, Pl. 4, figs. 3, 7. Webster, 1988, p. 73.  
Mississippian, Tournaisian, Tn<sub>3</sub>. Belgium

*Dichocrinus hamiltonensis* Worthen, 1882, p. 35. Worthen, 1883, p. 313, Pl. 27, fig. 10. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 772, Pl. 76, fig. 10. Weller, S., 1898c, p. 222. Bassler and Moodey, 1943, p. 420. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 69.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois

*Dichocrinus hammondi* Laudon and Beane, 1937 = *Strimplecrinus inornatus*

*Dichocrinus humburgi* Miller, S. A., 1891a (adv. pub.). Miller, S. A., 1891b, p. 26, Pl. 3, figs. 9-10. Miller, S. A., 1892a, p. 677. Miller, S. A., 1892b, p. 646, Pl. 6, fig. 38. Weller, 1898c, p. 222. Bassler and Moodey, 1943, p. 420.  
Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Missouri

*Dichocrinus huntsvillae* Wachsmuth and Springer, 1897 = *Dichocrinus parvulus*

*Dichocrinus inornatus* Wachsmuth and Springer, 1890 = *Strimplecrinus inornatus*

*Dichocrinus insularis* (Eichwald, 1856) = *Hexacrinites insularis*

*Dichocrinus insularis* Wachsmuth and Springer, 1886 = *Hexacrinites?* *insularis*

*Dichocrinus intermedius* de Koninck and Le Hon, 1854 = ?*Dichocrinus elegans* = *D. elegans*

*Dichocrinus irregularis* de Koninck and Le Hon, 1854, p. 152, Pl. 4, figs. 11a-11b.  
 Dujardin and Hupé, 1862, p. 156. Bassler and Moodey, 1943, p. 420.  
 Mississippian, Tournaisian. Belgium

*Dichocrinus labiatus* Burdick and Strimple, 1983a = *Hyrtanecrinus pentalobus*

*Dichocrinus labyrinthus* Webster et al., 2003, p. 9, Fig. 5.2.  
 Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*Dichocrinus lachrymosa* Hall, 1859 = *Dichocrinus lachrymosa*

*Dichocrinus lachrymosus* Hall, 1859a, p. 84, Unnum Fig. Shumard, 1868, p. 366.  
 Hall,  
 1872c, Pl. 11-A, Fig. 11. Miller, S. A., 1889, p. 239. Wachsmuth and Springer,  
 1897, p. 754, Pl. 77, figs. 2a-2c. Weller, S., 1898c, p. 222. Bassler and Moodey,  
 1943, p. 421. Laudon, 1973b, p. 32, Fig. 7. Broadhead, 1981, p. 118, Pl. 9, figs.  
 1, 5-6, 9-10; Fig. 3, no. C. Webster, 1988, p. 73.

*Dichocrinus lachrymosa* Hall, 1859. Webster, 1977, p. 69 (sic).  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Dichocrinus laevis* Hall, 1859a, p. 83, Unnum. Fig. Shumard, 1868, p. 366. Miller, S.  
 A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 765, Pl. 77, figs. 7a-7c.  
 Weller, S., 1898c, p. 222. Bassler and Moodey, 1943, p. 421. Laudon, 1973b,  
 p. 32, Fig. 7. Webster, 1977, p. 69. Broadhead, 1981, p. 119, Pls. 2, figs. 3-4, 7;  
 3, fig. 10. Webster, 1988, p. 73.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
 Iowa

*Dichocrinus laudoni* Broadhead, 1981, p. 120, Pl. 2, figs. 6, 8; Fig. 3, no. B. Webster,  
 1988, p. 73. Webster, 1997, p. 13, Pl. 2, figs. 5-7, 10.

*Dichocrinus bozemanensis* Miller and Gurley, 1897. Laudon and Severson, 1953,  
 p. 533, Pl. 54, figs. 15-16 (*non* fig. 10 as given in text). Webster, 1973, p. 106.  
 Broadhead, 1981, p. 118.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation; Henderson  
 Canyon Formation, Brush Canyon Member. United States, Montana, Utah

*Dichocrinus* cf. *D. laudoni* Broadhead, 1981. Webster and Jell, 1999a, p. 255, Fig. 11.  
 Mississippian, ?Tournaisian, ?Namoi Formation. Australia, New South Wales,  
 locality unknown

*Dichocrinus lineatus* Meek and Worthen, 1869 = *Strimplecrinus striatus*

*Dichocrinus* sp. cf. *D. lineatus* Meek and Worthen, 1869; Brower, 1970 = *Strimplecrinus*  
*striatus*

*Dichocrinus liratus* Hall, 1861 = *Paradichocrinus liratus*

*Dichocrinus multiplex* Laudon, 1933, p. 54, Pl. 4, fig. 1. Bassler and Moodey, 1943, p. 421. Jacobson, 1970, p. 232, Pl. 2, fig. center left. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70. Broadhead, 1981, p. 121, Pls. 1, figs. 4-5; 2, figs. 9-10; Fig. 3, no. A. Webster, 1988, p. 73.

Mississippian, Tournaisian, Tn<sub>2</sub>, Gilmore City Formation. United States, Iowa

*Dichocrinus myelodactylus* Wachsmuth and Springer, 1897 = \**Camptocrinus myelodactylus*

*Dichocrinus (Camptocrinus) myelodactylus* Wachsmuth and Springer, 1897 (part) = *Camptocrinus myelodactylus*

*Dichocrinus (Camptocrinus) myelodactylus* Wachsmuth and Springer, 1897 (part) = *Camptocrinus crawfordsvillensis* = *C. parvulus*

*Dichocrinus nola* Strimple and Moore, 1971a, p. 39, Pl. 17, figs. 1-2. Webster, 1977, p. 70. Broadhead, 1981, p. 121, Pl. 6, figs. 3-5, 11-12. Webster, 1988, p. 73. Pennsylvanian, Desmoinesian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Dichocrinus oblongus* Wachsmuth and Springer, 1897 = *Strimplecrinus coxanus*

*Dichocrinus ornatus* de Koninck and Le Hon, 1854 (part) = *Platycrinites* sp.

*Dichocrinus ornatus* Wachsmuth and Springer, 1881 (*non* de Koninck and Le Hon, 1854) = \**Hyrtnecrinus ornatus*

*Dichocrinus ovatus* Owen and Shumard, 1850 = *Strimplecrinus ovatus*

*Dichocrinus ovatus* Wachsmuth and Springer, 1897 (part) = *Strimplecrinus ovatus*

*Dichocrinus ovatus* Wachsmuth and Springer, 1897 (part) = *Strimplecrinus striatus*

*Dichocrinus parvulus* (Meek and Worthen, 1865). Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 122, Pl. 8, figs. 6-8, 12-13, 21. Burdick and Strimple, 1983a, p. 175, Pl. 3, fig. 1. Webster, 1988, p. 74.

*Platycrinus parvulus* Meek and Worthen, 1865c, p. 163. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 442. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 122.

*Platycrinites parvulus* (Meek and Worthen, 1865). Meek and Worthen, 1873, p. 555, Pl. 20, fig. 7. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 122.

*Dichocrinus huntsvillae* Wachsmuth and Springer, 1897, p. 773, Pl. 75, fig. 4. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 222. Bassler and Moodey, 1943, p. 420.

Laudon, 1973b, p. 32, Fig. 7. Broadhead, 1981, p. 122. Mississippian, Viséan - Serpukhovian (Meramecian – Chesterian), St. Louis Limestone; Chester Limestone; Ste. Genevieve Limestone. United States,

Alabama, Illinois, Iowa, Georgia

*Dichocrinus parvulus* Miller, 1891 = *Camptocrinus parvulus*

*Dichocrinus pendens* Wachsmuth and Springer, 1897 = *Strimplecrinus pendens*

*Dichocrinus pentalobus* (Casseday and Lyon, 1982) = *Hyrtanecrinus pentalobus*

*Dichocrinus pisum* Meek and Worthen, 1869 = *Strimplecrinus pisum*

*Dichocrinus plicatulus* Hall, 1861 = \**Strimplecrinus plicatus*

*Dichocrinus plicatus* Hall, 1861 = \**Strimplecrinus plicatus*

*Dichocrinus pocillum* Hall, 1861a, p. 291. Hall, 1861b, p. 5. Hall, 1861c, p. 291. Shumard, 1868, p. 366. Hall, 1872c, Pl. 2-A, figs. 14, 16-17. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 224. Bassler and Moodey, 1943, p. 422. Broadhead, 1981, p. 122, Pl. 7, figs. 4-5, 7-8, 10. Webster, 1988, p. 74. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Dichocrinus pocillum?* Hall, 1861. Lee, Ausich, and Kammer, 2005, p. 346. Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Dichocrinus polydactylus* Casseday and Lyon, 1862 = *Paradichocrinus polydactylus*

*Dichocrinus prisus* Meek and Worthen, 1869 = *Strimplecrinus pisum*

*Dichocrinus protuberans* Hall, 1858 = *Pterotocrinus protuberans*

*Dichocrinus quadriceptatus* Laudon and Severson, 1953, p. 534, Pls. 54, figs. 11-14; 55, fig. 26. Webster, 1973, p. 107. Broadhead, 1981, p. 123, Pl. 7, figs. 9, 11, 14-15. Webster, 1988, p. 74. Webster, 1997, p. 13, Pl. 4, fig. 6.

*Dichocrinus rotaii* Yakovlev in Yakovlev and Ivanov, 1956, p. 47, Pls. 16, fig. 4; 17, figs. 1-2; 18, fig. 1. Arendt and Hecker, 1964, p. 96, Pl. 15, figs. 2-3. Webster, 1973, p. 107. Broadhead, 1981, p. 123. Webster, 1988, p. 74.

*Dichocrinus tomiensis* Yakovlev in Yakovlev and Ivanov, 1956, p. 48, Pl. 16, fig. 1. Webster, 1973, p. 108. Broadhead, 1981, p. 123. Webster, 1988, p. 74.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Henderson Canyon Formation, Brush Canyon Member; Banff Formation. United States, Montana, Utah; Canada, Alberta; Russia, Kuznetz Basin

\**Dichocrinus radiatus* Münster, 1839, p. 2, Pl. 1, figs. 3a-3d. de Koninck, 1842-1844, p. 40, Pl. E, fig. 6, nos. a-d. Austin and Austin, 1844, p. 45, Pl. 5, figs. 5a-5d. Pictet, 1857, p. 333, Pl. 101, Fig. 18. Bronn, 1860, Pl. 28, figs. 9A-9B. Dujardin

- and Hupé, 1862, p. 156. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 422. Wright, J., 1956b, p. 303, Pl. 74, figs. 6-7. Webster, 1973, p. 107. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, nos. 1c-1d. Broadhead, 1981, p. 104, Pl. 4, figs. 2, 4, 15, 17, 20-21; Fig. 7. Broadhead, 1985, p. 211, Fig. 5, no. E. Webster, 1986, p. 127. Webster, 1988, p. 74.  
Mississippian, Tournaisian, Tn<sub>3</sub>. Belgium; Ireland; United Kingdom
- Dichocrinus* cf. *radiatus* Münster, 1839. Termier, G. and Termier, H., 1950, p. 85, Pl. 217, fig. 15. Webster, 1973, p. 107.  
Pennsylvanian, Westphalian. Algeria
- Dichocrinus recurvibrachiatus* Van Sant *in* Van Sant and Lane, 1964 = *Platycrinites recurvibrachiatus*
- Dichocrinus rotaii* Yakovlev *in* Yakovlev and Ivanov, 1956 = *Dichocrinus quadriceptatus*
- Dichocrinus shamsensis* Webster et al., 2003, p. 9, Figs. 5.6-5.8.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Dichocrinus schmidtii* Yakovlev *in* Yakovlev and Ivanov, 1956 = *Dichocrinus expansus*
- Dichocrinus scitulus* Hall, 1861a, p. 289. Hall, 1861b, p. 4. Hall, 1861c, p. 289. Shumard, 1868, p. 366. Hall, 1872c, Pl. 2-A, figs. 12-13. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 767, Pl. 78, figs. 13a- 14. Weller, S., 1898c, p. 224. Bassler and Moodey, 1943, p. 422. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70.  
Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa, Missouri
- Dichocrinus sculptus* de Koninck and Le Hon, 1854, p. 154, Pl. 4, figs. 14a-14b only. Dujardin and Hupé, 1862, p. 156. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Bassler and Moodey, 1943, p. 422. Wright, J., 1956b, p. 306, Pl. 75, fig. 16. Webster, 1973, p. 108. Broadhead, 1981, p. 124, Pl. 4, figs. 6, 8, 10. Webster, 1988, p. 75.  
Mississippian, Tournaisian. Belgium
- Dichocrinus sculptus* de Koninck and Le Hon, 1854 (part) = *Dichocrinus elegans*
- Dichocrinus sculptus* de Koninck and Le Hon, 1854 (part) = *Dichocrinus fusiformis*
- Dichocrinus sculptus* de Koninck and Le Hon, 1854; Wright, 1956 = *Dichocrinus elegans*
- Dichocrinus sculptus* Casseday and Lyon, 1862 (non de Koninck and Le Hon, 1854) = *Hyrtanecrinus ornatus*

*Dichocrinus? septosus* de Koninck, 1842-1844, p. 40, Pl. E, figs. 7a-7c. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 422.  
Mississippian, Tournaisian. Belgium

*Dichocrinus sexlobatus* (Shumard, 1857) = *Talarocrinus sexlobatus*

*Dichocrinus sex-lobatus* Shumard, 1857 = *Talarocrinus sexlobatus*

*Dichocrinus simplex* Shumard, 1857, p. 74, Pl. 1, figs. 2a-2b. Hall, 1858c, p. 654, Pl. 22, figs. 12a-12b. Hall, 1859a, Pl. 1, figs. 4a-4c. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 624. Bassler and Moodey, 1943, p. 700. Broadhead, 1981, p. 125, Pl. 8, figs. 1, 4-5, 9-10, 15. Feldman, 1989b, p. 907, Fig. 4, no. 1. Webster, 1988, p. 75. Ausich, 2009a, suppl. p. 15.

*Talarocrinus simplex* (Shumard, 1857). Keyes, 1894a, p. 205, Pl. 25, fig. 6. Wachsmuth and Springer, 1897, p. 790, Pl. 78, figs. 8a-8b. Weller, S., 1898c, p. 624. Rowley, 1902a, p. 91, Pl. 29, figs. 24-27. Rowley, 1906, p. 30, Pl. 6, figs. 10-11, 19. Beede, 1906, p. 1261, Pl. 13, figs. 7-7c. Wood, E., 1909, p. 42, Pl. 13, fig. 1. Grabau and Shimer, 1910, p. 522. Weller, J. M., 1917, p. 256, Pl. 35, figs. 9a-9b. Bassler and Moodey, 1943, p. 700. Laudon, 1973b, p. 32, Fig. 7. Conkin and Conkin, 1976, p. 226, Pl. 11. Webster, 1977, p. 166. Webster, 1988, p. 157. Ausich, 2009a, suppl. p. 15.

*Doliolocrinites ovalis* (Troost ms) Hall, 1858c, p. 655. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 700. Ausich, 2009a, suppl. p. 15 (*nomen nudum*).  
Mississippian, Viséan (Meramecian), Spergen Limestone; Warsaw Limestone; Salem Limestone, Somerset Shale Member; St. Louis Limestone. United States, Kentucky, Indiana, Missouri, Tennessee

*Dichocrinus stelliformis* Meek and Worthen, 1868 = *Paradichocrinus polydactylus*

*Dichocrinus striatus* Owen and Shumard, 1850 = *Strimplecrinus striatus*

*Dichocrinus striatus* Wachsmuth and Springer, 1897 (part) = *Strimplecrinus plicatus*

*Dichocrinus striatus?* Beede, 1906 (part) = *Strimplecrinus coxanus*

*Dichocrinus superstes* Wachsmuth and Springer, 1897 = *Strimplecrinus superstes*

*Dichocrinus symmetricus* Casseday and Lyon, 1862 = *Talarocrinus symmetricus*

*Dichocrinus tomiensis* Yakovlev in Yakovlev and Ivanov, 1956 = *Dichocrinus quadripectatus*

*Dichocrinus ulrichi* Miller and Gurley, 1890b, p. 48, Pl. 8, figs. 12-13. Miller and Gurley, 1891, p. 365, Pl. 8, figs. 12-13. Miller, S. A., 1892a, p. 677. Weller, S., 1898c, p. 225. Bassler and Moodey, 1943, p. 422. Broadhead, 1981, p. 126, Pl. 3, figs. 1-7. Webster, 1988, p. 75.

*Dichocrinus* sp. Van Sant *in* Van Sant and Lane, 1964, p. 122, Pl. 7, fig. 1.  
 Webster, 1973, p. 108. Broadhead, 1981, p. 126. Webster, 1988, p. 75.  
*Dichocrinus ficus* Worthen and Meek, 1875, p. 515, Pl. 29, fig. 7. Weller, S., 1898c,  
 p. 221. Van Sant *in* Van Sant and Lane, 1964, p. 122. Webster, 1973, p. 108.  
 Mississippian, Viséan (Osagean), Edwardville Formation; Keokuk Limestone;  
 Harrodsburg Limestone. United States, Indiana

?*Dichocrinus unicus* Wright, 1956 (part) = *Dichocrinus elegans*

?*Dichocrinus unicus* Wright, 1956 (part) = *Dichocrinus fusiformis*

*Dichocrinus unicus* Wright, J., 1956. Ausich and Sevastopulo, 2001, p. 67, *nomen dubium*.

Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Dichocrinus* sp. A Broadhead, 1981, p. 127, Pl. 1, figs. 13-14. Webster, 1988, p. 75.

*Dichocrinus angustus* Wachsmuth and Springer, 1897 (part). Broadhead, 1981,  
 p. 127. Webster, 1988, p. 75.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Dichocrinus* spp.

Abel, 1924, p. 269, Fig. 396.

Carboniferous. North America, Europe

Laudon, Parks, and Spreng, 1952, p. 574, Pl. 68, figs. 21-24. Webster, 1973, p.  
 108.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Laudon, Parks, and Spreng, 1952, p. 575, Pl. 68, figs. 25-26. Webster, 1973, p.  
 108.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Laudon, Parks, and Spreng, 1952, p. 575, Pl. 68, figs. 27. Webster, 1973, p. 108.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Laudon, Parks, and Spreng, 1952, p. 575, Pl. 68, figs. 29-30. Webster, 1973, p.  
 108.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Lane and Breimer, 1974, p. 36, Fig. 1, no. j. Webster, 1986, p. 127.

No age or formation given

Strimple, 1974a, p. 51, Figs. 2, nos. 3-4; 3, nos. 3-4. Webster, 1986, p. 127.

Mississippian, Serpukhovian (Meramecian) Pella Formation. United States, Iowa  
 Strimple, 1980a, p. 108, Fig. 1. Webster, 1986, p. 127.

Pennsylvanian, Morrowan, Sausbee Formation. United States, Oklahoma  
 Ausich and Sevastopulo, 1994, p. 249, Fig. 6.

Mississippian, late Tournaisian, Hook Head Formation. Ireland  
 Webster, 1997, p. 13, Pl. 2, fig. 11.

Mississippian, Tournaisian, Henderson Canyon Formation, Brush Canyon  
 Member. United States, Utah

Lee, Ausich, and Kammer, 2005, p. 346.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation.

## United States, Kentucky

- Dichocrinus?* sp. Webster and Jell, 1999b, p. 285, Fig. 1, no. B.  
Permian, Artinskian, Billidee Formation. Australia, Western Australia
- Dichocrinus* sp. Laudon, Parks, and Spreng, 1952 (part) = *Dichocrinus disparbrachialis*
- Dichocrinus* sp. Laudon, Parks, and Spreng, 1952 (part) = *Dichocrinus douglassi*
- Dichocrinus* sp. Van Sant and Lane, 1964 = *Dichocrinus ulrichi*
- Dichocrinus?* sp. Termier, G. and Termier, H., 1950, p. 212, Pl. 214, fig. 9. Webster, 1973, p. 108.  
Pennsylvanian, early Westphalian. Algeria
- (?)*Dichocrinus* sp. indet. Ausich and Sevastopulo, 1994, p. 249, Fig. 4, no. q.  
Mississippian, late Tournaisian, Hook Head Formation. Ireland
- Dichocrinus* or *Camptocrinus?* sp. Wright, J., 1960, p. 334, Appendix, Pl. A, fig. 3.  
Webster, 1973, p. 108.  
Mississippian, Tournaisian. United Kingdom
- DICHOSTREBLOCRINUS** Weller, 1930. \**D. scrobiculus* Weller, 1930.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Cyathocrinida, Spf.  
Codiacrinoidea, F. Streblocrinidae  
Weller, J. M., 1930a, p. 36. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 154. Branson, C. C., 1948, p. 191. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Figs. 2-3, 7 (fig. 7 given as fig. 8). Arendt, 1970a, p. 165. Webster, 1973, p. 108. Webster, 1977, p. 70. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 127. Webster, 1988, p. 76. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 51.  
Named, currently recognized species based on cups or crowns: 4 species. 1 Mississippian, Viséan; 2 Pennsylvanian, 1 Bashkirian, 1 Desmoinesian; 1 Permian, series uncertain  
Early Mississippian, Osagean; Middle Pennsylvanian, Desmoinesian. United States  
Permian, series uncertain. West Timor
- Dichostreblocrinus inaquosus* Webster et al., 2011, p. 41, Fig. 10, nos. q-v.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Dichostreblocrinus minutus* Peck, 1936 = *Lampadosocrinus minutus*
- Dichostreblocrinus piriformis* Strimple and Koenig, 1956 = *Dichostreblocrinus pyriformis*
- Dichostreblocrinus pyriformis* Strimple and Koenig, 1956, p. 1243, Fig. 4, nos. 10-15.  
Webster, 1973, p. 108. Webster, 1977, p. 70.



*Dichostreblocrinus piriformis* Strimple and Koenig, 1956. Arendt, 1970a, p. 166 (sic).

Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member. United States, New Mexico

\**Dichostreblocrinus scrobiculus* Weller, J. M., 1930a, p. 37, Pl. 2, figs. 9a-9d, Fig. 8. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423. Moore and Laudon, 1944, p. 154, Pl. 56, fig. 7. Arendt, 1970a, p. 165, Fig. 45. Webster, 1973, p. 108. Webster, 1977, p. 70. Lane and Moore *in* Moore and Teichert, 1978, p. T603, Fig. 390, no. 4. Lane and Sevastopulo, 1982a, p. 106, Pl. 1, figs. 1-11; Fig.

1, nos. A-B. Webster, 1988, p. 76.

Pennsylvanian, Desmoinesian, Perth Limestone. United States, Indiana

*Dichostreblocrinus Timorensis* Marez Oyens, 1940a, p. 327, Pl. 3, fig. 13; Fig. 9.

Bassler and Moodey, 1943, p. 423. Branson, C. C., 1948, p. 191. Arendt, 1970a, p. 166, Fig. 46. Webster, 1977, p. 70.

Permian, series uncertain. West Timor, Basleo (Noko)

**DICIRROCRINUS** Schmidt, 1934. \**D. comtus* Schmidt, 1934.

“Inadunata”, unclassified order and below

Schmidt, W. E., 1934, p. 87. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423. Moore and Teichert, 1978, p. T928. Franke, C., 2012, p. 27.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 2 Emsian, 1 Eifelian

Devonian, Emsian – Eifelian. Germany

\**Dicirrocrinus comtus* Schmidt, W. E., 1934, p. 88, Pls. 11, fig. 1; 21, fig. 2; Fig. 19.

Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Dicirrocrinus dicirrocrinus* (Ehrenberg, 1930). Schmidt, 1942, p. 140, Pl. 15, fig. 3.

Webster, 1973, p. 290.

*Herptocrinus* (*Myelodactylus*) *dicirrocrinus* Ehrenberg, 1930, p. 263, Pl. 15, fig. 5.

Bassler and Moodey, 1943, p. 568. Webster, 1973, p. 290.

*Myelodactylus dicirrocrinus* (Ehrenberg, 1930). Bassler and Moodey, 1943, p. 568.

Devonian, Eifelian. Germany

*Dicirrocrinus ? dicirrocrinus* (Ehrenberg, 1930). Franke, C., 2012, p. 27, Pl. 5, Fig. 5a.

Devonian, Emsian. Germany, Rhenischen Schiefergebirge

*Dicirrocrinus? ramulosus* Schmidt, W. E., 1941. Franke, C., 2012, p. 29, Pl. 5, figs. 4-5.

Devonian, Emsian, Hohenrhen Beds. Germany, central Rhenish region

**DICROMYOCRINUS** Jaekel, 1918. \**Cromyocrinus ornatus* Trautschold, 1867 (part).

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.

Cromyocrinidae

Jaekel, 1918, p. 66. Bassler, 1938, p. 87. Moore and Plummer, 1940, p. 351.  
 Bassler and Moodey, 1943, p. 377. Arendt and Hecker, 1964, p. 90. Strimple,  
 1966a, p. 5. Strimple and Watkins, 1969, p. 160. Strimple and Moore, 1971a,  
 p. 24. Moore and Strimple, 1973, p. 56. Webster, 1973, p. 108. Webster, 1977,  
 p.

71. Moore and Strimple *in* Moore and Teichert, 1978, p. T697, Fig. 457.  
 Webster, 1981, p. 1190, Fig. 1. Webster, 1986, p. 128. Webster, 1988, p. 76.  
 Webster,  
 1993, p. 50.

Named, currently recognized species based on cups or crowns: 17 species, 1  
 subspecies. 1 Mississippian, Serpukhovian; 16 Pennsylvanian, 2 Bashkirian, 6  
 Morrowan, 1 Atokan, 2 Desmoinesian, 5 Moscovian (+1 subspecies), 1 Virgilian  
 Mississippian - Pennsylvanian, Serpukovian - Moscovian. Russia  
 Pennsylvanian, Morrowan - Virgilian. United States  
 Mississippian, Serpukhovian - Pennsylvanian, Bashkirian. Algeria

*Dicromyocrinus beldenensis* Webster and Houck, 1998, p. 1062, Figs. 4.10-4.13, 4.31-  
 4.32.

Pennsylvanian, Atokan, Belden Formation. United States, Colorado

*Dicromyocrinus beusi* Webster, 1981, p. 1191, Pl. 1, figs. 5-11. Webster, 1988, p. 76.  
 Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Dicromyocrinus carrizoensis* Webster, 1981, p. 1192, Pl. 1, figs. 2-4. Webster, 1988, p.  
 76.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Dicromyocrinus catillus* Webster et al., 2004, p. 50, Pl. 13, figs. 10-12.

Pennsylvanian, Bashkirian, upper part of Hassi Kerma Formation. Algeria

*Dicromyocrinus? costalis* (Moore and Plummer, 1938). Webster, 1981, p. 1191.  
 Webster, 1988, p. 76.

*Ethelocrinus costalis* Moore and Plummer, 1938, p. 261, Pl. 15, figs. 2a-2h; Fig. 16.  
 Bassler and Moodey, 1943, p. 460. Webster, 1981, p. 1198. Webster, 1988, p.  
 76.

*Eupachyocrinus cf. magister* Mather, 1915, p. 104, Pl. 2, figs. 8, 77, 79. Bassler and  
 Moodey, 1943, p. 460.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma,  
 Arkansas

*Dicromyocrinus elongatus* Yakovlev and Ivanov, 1956, p. 22, Pl. 4, fig. 4. Webster,  
 1973, p. 108.

Pennsylvanian, Moscovian?. Russia, Moscow Basin

*Dicromyocrinus geminatus* (Trautschold, 1867) = *Moscovicrinus geminatus* =  
*Mooreocrinus geminatus*

*Dicromyocrinus geminatus* Wright, 1952 = *Mantikosocrinus wrighti*

*Dicromyocrinus geminatus* Strimple, 1961g = *Mooreocrinus geminatus*

*Dicromyocrinus* cf. *geminatus* (Trautschold, 1867). Aisenverg, *et al.*, 1983, p. 34, Pl. 29, fig. 2. Webster, 1993, p. 50.  
Pennsylvanian, Bashkirian. Russia, Donetz Basin

*Dicromyocrinus granularis* Easton, 1962, p. 36, Pl. 4, figs. 4-5. Webster, 1973, p. 109.  
Pennsylvanian, Morrowan, Alaska Bench Limestone. United States, Montana

*Dicromyocrinus?* *hispidus* (Moore and Plummer, 1938). Webster, 1981, p. 1191.  
Webster, 1988, p. 76.

*Ethelocrinus hispidus* Moore and Plummer, 1938, p. 263, Pl. 15, figs. 4a-4g; Fig. 17. Bassler and Moodey, 1943, p. 461. Webster, 1981, p. 1198. Webster, 1988, p. 76.  
Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Dicromyocrinus?* *invagtinatus* Webster *et al.*, 2004, p. 51, Pls. 13, figs. 13-16; 17, figs. 9-14.  
Pennsylvanian, Moscovian, Oued Bel Groun Formation. Algeria

*Dicromyocrinus kumpani* Yakovlev *in* Yakovlev and Ivanov, 1956, p. 44, Pl. 12, figs. 1-5. Webster, 1973, p. 109.  
Pennsylvanian, Moscovian. Russia, Donetz Basin

*Dicromyocrinus medius* Moore and Strimple, 1973, p. 57, Pls. 8, figs. 5a-5c; 12, fig. 5; 13, figs. 1a-1d. Webster, 1977, p. 71.  
Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

*Dicromyocrinus mendesi* Lane, 1964 = *Mooreocrinus mendesi*

*Dicromyocrinus occultator* (Burke, 1974). Webster, 1981, p. 1198. Webster, 1988, p. 76.  
*Parethelocrinus occultator* Burke, 1974b, p. 8, Figs. 13-15. Webster, 1981, p. 1198.  
Webster, 1988, p. 76.  
Pennsylvanian, Virgilian, Ames Limestone. United States, West Virginia

*Dicromyocrinus optimus* Strimple, 1951 = *Ataxiacrinus optimus* = *Tarachiocrinus optimus*

\**Dicromyocrinus ornatus* (Trautschold, 1879). Moore and Plummer, 1940, p. 367.  
Bassler and Moodey, 1943, p. 378. Strimple, 1961g, p. 65. Yakovlev and Ivanov, 1956, p. 20, Pl. 5, figs. 1-6. Webster, 1973, p. 109. Moore and Strimple *in* Moore and Teichert, 1978, p. T697, Fig. 458, no. 1. Webster, 1986, p. 128.  
*Cromyocrinus ornatus* Trautschold, 1879, p. 121, Pl. 14, figs. 9-10. Lahusen, 1895, p. 149, Fig. 201. Bassler and Moodey, 1943, p. 378. Yakovlev, 1939a, p. 66, Pls. 11, figs. 7-10; 12, fig. 10. Webster, 1973, p. 109.

*Mooreocrinus ornatus* (Trautschold, 1879). Wright and Strimple, 1945, p. 222.  
Webster, 1973, p. 109.

*Cromyocrinus nodosus* Jaekel, 1918, p. 66. Bassler, 1938, p. 87.

**Note:** Jaekel attributed this species to Trautschold. Bassler noted he could find no species *C. nodosus* in Trautschold's papers. I consider *C. nodosus* of Jaekel to be in error for *C. ornatus*, GDW.  
Pennsylvanian, Moscovian. Russia, Moscow Basin

*Dicromyocrinus ornatus* var. *domgeri* Yakovlev in Yakovlev and Ivanov, 1956, p. 43, Pl. 8, fig. 1. Webster, 1973, p. 109.  
Pennsylvanian, Moscovian. Russia, Donetz Basin

*Dicromyocrinus?* *papillatus* (Worthen, 1882) = *Mooreocrinus papillatus* =  
*Agassizocrinus papillatus*

*Dicromyocrinus periodus* Strimple, 1951 = *Ataxiacrinus periodus* = *Tarachiocrinus periodus*

*Dicromyocrinus subaplatus* Moore and Strimple, 1973, p. 59, Pls. 11, figs. 1a-1d, 4a-4b; 13, figs. 3a-3b. Webster, 1977, p. 71.  
Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Dicromyocrinus subornatus* Yakovlev in Yakovlev and Ivanov, 1956, p. 44, Pls. 8, figs. 2-5; 21, fig. 1. Arendt and Hecker, 1964, p. 90, Pl. 12, fig. 10. Webster, 1973, p. 109.  
Pennsylvanian, Moscovian. Russia, Donetz Basin

*Dicromyocrinus subsinuatus* (Moore and Plummer, 1938). Webster, 1981, p. 1198.  
Webster, 1988, p. 76.

*Ethelocrinus subsinuatus* Moore and Plummer, 1938, p. 264, Pl. 15, figs. 1a-1g; Fig. 18. Bassler and Moodey, 1943, p. 462. Webster, 1981, p. 1198. Webster, 1988, p. 76.  
Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Dicromyocrinus tapajosi* Strimple, 1960 = *Tarachiocrinus tapajosi* = *Parulocrinus tapajosi*

*Dicromyocrinus texasensis* (Moore and Plummer, 1940). Webster, 1981, p. 1198.  
Webster, 1988, p. 76.

*Ethelocrinus texasensis* Moore and Plummer, 1940, p. 379, Pl. 20, fig. 6. Bassler and Moodey, 1943, p. 462. Moore and Laudon, 1944, p. 175, Pl. 65, fig. 31. Plummer, 1950, p. 53, Pl. 11, fig. 8. Strimple, 1962i, p. 270. Strimple, 1966a, p. 5. Webster, 1973, p. 190. Moore and Strimple in Moore and Teichert, 1978, p. T700, Fig. 460, nos. 1e-1g. Webster, 1981, p. 1198. Webster, 1986, p. 228. Webster, 1988, p. 76. Finsley, 1989, p. 97, Fig. 326.  
Pennsylvanian, Morrowan, Marble Falls Formation. United States, Texas

*Dicromyocrinus* sp. cf. *D. texasensis* (Moore and Plummer, 1940). Strimple and Watkins, 1969, p. 163, Pl. 54, figs. 8-9. Webster, 1977, p. 71.  
Pennsylvanian, Atokan, Marble Falls Formation. United States, Texas

*Dicromyocrinus trautscholdi* Yakovlev and Ivanov, 1956 = \**Miatshkovocrinus trautscholdi*

*Dicromyocrinus vastus* Webster et al, 2004, p. 49, Pls. 12, figs. 11-21; 17, figs. 25-26.  
Mississippian, Serpukhovian, E1-E2, El Guelmouna Formation, El Guelmouna Member; between Hassi Kerma and Djenien Formations; Aïn el Mizab Formation, Mouizeb el Atchane Member. Algeria

*Dicromyocrinus wrighti* Yakovlev and Ivanov, 1956 = *Mantikosocrinus wrighti*

*Dicromyocrinus* sp. 1. Webster et al., 2009b, p. 247, Fig. 3, nos. I-M.  
Pennsylvanian, Moscovian, uppermost part of the Qijiagou Formation or lowermost part of the Aoertu Formation. China, Xinjiang

*Dicromyocrinus* sp. 2. Webster et al., 2009b, p. 247, Fig. 3, nos. N-P.  
Pennsylvanian, Moscovian, uppermost part of the Qijiagou Formation or lowermost part of the Aoertu Formation. China, Xinjiang

*Dicromyocrinus?* sp. Webster et al., 2004, p. 51, Pl. 13, figs. 1-5.  
Pennsylvanian, Bashkirian, lower part of Hassi Kerma Formation. Algeria

*Dicromyocrinus?* sp. indet. Hashimoto, 1984, p. 13, Pl. 3, figs. 4a-4c; Fig. 5, nos. 4a-4b. Webster, 1993, p. 51.  
Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan

**DICTENOCRINUS** Jaekel, 1918. \**Botryocrinus decadactylus* Bather, 1891.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae  
Jaekel, 1918, p. 59. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423.  
Schmidt, W. E., 1942, p. 29. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Moore and Jeffords, 1968, p. 11, Fig. 1, no. 1. Webster, 1973, p. 109. Moore and Lane *in* Moore and Teichert, 1978, p. T623. Haude, 1981, p. 192, Fig. 4. Webster, 1986, p. 128. Webster, 1988, p. 77. Harper, Owen, and Doyle, 1996, p. 9, figs. 1, 6, 8. Donovan et al., 2010, p. 96. Franke, C., 2012, p. 21.  
Named, currently recognized species based on cups or crowns: 14 species, 2 Silurian, 2 Wenlockian; 12 Devonian, 2 Lochkovian, 1 Pragian, 9 Emsian  
Silurian, Wenlockian - Devonian, Emsian. Europe  
Silurian, Ludlovian - Devonian, late Lochkovian. Australia, Victoria

*Dictenocrinus arthriticus* Schmidt, W. E., 1942, p. 147, Pl. 13, figs. 3-4. Webster, 1973, p. 109.  
Devonian, Emsian, Stadtfeld Beds; Rittersturz Beds. Germany

- Dictenocrinus cyathiformis* (Haarmann, 1921). Schmidt, W. E., 1942, p. 147, Pl. 5, fig. 6. Webster, 1973, p. 109. Moore and Lane *in* Moore and Teichert, 1978, p. T623, Fig. 406, no. 4. Webster, 1986, p. 128.
- Botryocrinus cyathiformis* Haarmann, 1921, p. 26, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 338. Schmidt, W. E., 1942, p. 147. Webster, 1973, p. 109.  
Devonian, Emsian. Germany
- \**Dictenocrinus decadactylus* (Bather, 1891). Jaekel, 1918, p. 59. Bassler and Moodey, 1943, p. 423. Ubaghs, 1953, p. 751, Fig. 1. Webster, 1973, p. 109. Webster, 1986, p. 128. Donovan et al., 2007, p. 46, Fig. 9, no. G. Donovan et al., 2010, p. 95, Pls. 25, figs. 2-5; 26, fig. 1, Fig. 41. Donovan, 2011a p. 126, Fig. 1 (diagramatic). Donovan, 2012b p. 30, Fig. 1 (diagramatic).
- Botryocrinus decadactylus* Bather, 1891b, p. 395, Pl. 13, figs. 5-15. Bather, 1893a, p. 119, Fig. 17, nos. 1, 5-6. Bather *in* Lankester, 1900, p. 98, 113, Figs. 3, 21. Bather, 1907, p. 60, fig. 28. Bathere, 1911, p. 59, Fig. 28. Abel, 1920, p. 251, Fig. 385. Haarmann, 1921, p. 8, 58, Fig. 4, Unnum. Fig. Abel, 1924, p. 264, Fig. 385. ?Goldring, 1929, p. 112, Fig. 27, no. A (diagramatic). Bassler, 1938, p. 87. Moore, 1939b, p. 167, Fig. 1. Bassler and Moodey, 1943, p. 423. Delpy, 1945, p. 253, Fig. 1, no. 7. Webster, 1973, p. 109. Watkins and Hurst, 1977, p. 210, Figs. 1, no. B; 4. Webster, 1986, p. 128.
- Bothryocrinus decadactylus* (Bather, 1891). Stukalina, 1967, p. 203, Fig. 4, no. 4 (sic).
- Cyathocrinus decadactylus* (Bather, 1891). Salter, 1873, p. 123. Miller, S. A., 1889, p. 235. Bassler and Moodey, 1943, p. 423.
- Cyathocrinus quindecimalis* Salter, 1873, p. 124. Bassler and Moodey, 1943, p. 423.
- Cyathocrinus* (sp. 2) *decadactylus* Salter, 1873, p. 123, unfig.
- Cyathocrinus* (sp. 3) *quindecimalis* Salter, 1873, p. 124, unfig.  
Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Shropshire; Sweden
- Dictenocrinus ericius* (Schmidt, 1934). Webster, 1973, p. 110.
- Botryocrinus* (*Bathericrinus*) *ericius* Schmidt, W. E., 1934, p. 94, Pls. 13, fig. 1; 14, figs. 1a-1b; Fig. 21. Schmidt, W. E., 1942, p. 29. Bassler and Moodey, 1943, p. 321. Webster, 1973, p. 110.
- Bathericrinus ericius* (Schmidt, 1934). Bassler and Moodey, 1943, p. 321.  
Devonian, early Emsian, Hunsrück Slates. Germany
- Dictenocrinus hystrix* (Schmidt, 1934). Webster, 1973, p. 110.
- Botryocrinus* (*Bathericrinus*) *hystrix* Schmidt, W. E., 1934, p. 92, Pls. 13, fig. 2; 16, fig. 2; 18, fig. 1b (part); 30; Fig. 20, nos. a-c. Schmidt, W. E., 1942, p. 29.
- Bassler and Moodey, 1943, p. 321. Webster, 1973, p. 110.
- Bathericrinus hystrix* (Schmidt, 1934). Bassler and Moodey, 1943, p. 321. Bartels, 1994, p. 49, Fig. 29. Bartels, 1995, p. 41, Unnum. Fig. Bartels and Brassel, 1990, p. 171, Fig. 155. Bartels, Briggs, and Brassel, 1998, p. 187, Fig. 163.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Dictenocrinus ibaeypus* Jell, 1999a, p. 102, Fig. 81, nos. A-H.  
Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Dictenocrinus* sp. cf. *D. ibaeypus* Jell, 1999a, p. 104, Fig. 82, no. A.  
Silurian, Ludlovian, Melbourne Formation. Australia, Victoria

*Dictenocrinus pinnulatus* (Bather, 1891). Jaekel, 1918, p. 59. Bassler and Moodey, 1943, p. 423. Donovan et al., 2010, p. 197, Pl. 26, fig. 2.  
*Botryocrinus pinnulatus* Bather, 1891b, p. 402, Pl. 13, fig. 16. Bassler and Moodey, 1943, p. 423.  
Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Shropshire

*Dictenocrinus procerus* (Haarmann, 1921). Schmidt, W. E., 1942, p. 144, Pl. 5, figs. 7-8; Fig. 38. Webster, 1973, p. 110.  
*Botryocrinus procerus* Haarmann, 1921, p. 25, Pl. 5, figs. 3-4. Schmidt, W. E., 1942, p. 144. Bassler and Moodey, 1943, p. 339. Webster, 1973, p. 110.  
Devonian, Pragian. Germany

*Dictenocrinus pumilio* Schmidt, W. E., 1942, p. 148, Fig. 39, no. a. Webster, 1973, p. 110.  
Devonian, Emsian. Germany

*Dictenocrinus? pusillus* Schmidt, W. E., 1942, p. 150, Fig. 40. Webster, 1973, p. 110.  
Devonian, Emsian. Germany

*Dictenocrinus pygmaeus* Schmidt, W. E., 1942, p. 150, Fig. 39, no. b. Webster, 1973, p. 110.  
Devonian, Emsian. Germany

*Dictenocrinus remotus* Jell, 1999a, p. 104, Fig. 82, no. B.  
Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

*Dictenocrinus semipinnulatus* (Schmidt, 1934). Schmidt, W. E., 1942, p. 29. Webster, 1973, p. 110.  
*Botryocrinus (Bathericrinus) ?semipinnulatus* Schmidt, W. E., 1934, p. 97, Pl. 14, fig. 2; Fig. 22. Bassler and Moodey, 1943, p. 321. Webster, 1973, p. 110.  
*Bathericrinus semipinnulatus* (Schmidt, 1934). Bassler and Moodey, 1943, p. 321. Stürmer, 1984, p. 127, Fig. 6. Bartels and Brassel, 1990, p. 170, Fig. 152. Südkamp, 1992, p. 179, unnumbered figs. p. 180-181. Bartels, 1994, p. 49, Fig. 28. Bartels, 1995, p. 46, Fig. 1. Bartels, Briggs, and Brassel, 1998, p. 189, Fig. 165.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Dictenocrinus spaciosus* (Schmidt, 1934).

*Botryocrinus (Bathericrinus) spaciosus* Schmidt, W. E., 1934, p. 96, Pl. 3, fig. 4; Fig. 20, no. d. Schmidt, W. E., 1942, p. 29.

*Botryocrinus (Bathericrinus) speciosus* Schmidt, 1934. Bassler and Moodey, 1943, p. 321. Webster, 1973, p. 110.

*Botryocrinus (Dictenocrinus) spaciosus* Schmidt, 1934. Webster, 1973, p. 69.

*Bathericrinus speciosus* (Schmidt, 1934). Bassler and Moodey, 1943, p. 321.

*Dictenocrinus speciosus* (Schmidt, 1934). Webster, 1973, p. 110.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Dictenocrinus speciosus* (Schmidt, 1934) = *Dictenocrinus spaciosus*

*Dictenocrinus* spp.

Brett, 1981b, p. 348, Fig. 5, no. C. Webster, 1988, p. 77.

Late Silurian. United Kingdom

Franke, C., 2012, p. 21, Pl. 8.

Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge

Dicyclic cup Rozhnov, 2002, p. S529, Fig. 2, no. b. (diagramatic)

Dicyclic stem and cup Rozhnov, 2002, p. S529, Fig. 3, no. b. (diagramatic)

**DIEURYOCRINUS** Wright, 1954. *\*Euryocrinus duplex* Wright, 1942.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.

Euryocrinidae

Wright, J., 1954, p. 165. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 110.

Webster, 1977, p. 71. Moore *in* Moore and Teichert, 1978, p. T811, Figs. 506, no.

13d; 508, no. 1f. Webster, 1986, p. 128. Lane and Sevastopulo, 1990, p. 334.

Webster, 1993, p. 51.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

*\*Dieuryocrinus duplex* (Wright, 1942). Wright, J., 1954a, p. 165, Pl. 42, figs. 10, 16.

Webster, 1973, p. 110. Moore *in* Moore and Teichert, 1978, p. T811, Figs. 542,

no. 2; 546, no. 1. Webster, 1986, p. 128. Donovan, 1992c, p. 41, Fig. 6, no. D.

*Euryocrinus duplex* Wright, J., 1942, p. 280, Pl. 9, figs. 2-3. Webster, 1973, p. 110.

Westhead, 1978, p. 476.

Mississippian, Viséan. United Kingdom, Scotland

**DIFFICILICRINUS** Frest, Strimple, and McGinnis, 1979. *\*D. coneyi* Frest, Strimple, and McGinnis, 1979.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Frest, Strimple, and McGinnis, 1979, p. 413. Webster, 1986, p. 128. Clement, 1988,

p. 112 (considers it an aberrant *Apodasmocrinus*). Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician,



Sandbian species  
Ordovician, Sandbian. United States

\**Diffilicrinus coneyi* Frest, Strimple, and McGinnis, 1979, p. 413, Pls. 1, figs. 1-5, 11; Figs. 6; 7, nos. A-C; 8 (*non* Fig. 5 as given on p. 413). Webster, 1986, p. 129. Ordovician, Sandbian (Black Riverian), Benbolt Formation. United States, Virginia

**DILATOCRINUS** Webster and Lane, 1987. \**Amphoracrinus multiramosus* Meek and Worthen, 1866.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Amphoracrinidae  
Webster and Lane, 1987, p. 26. Webster, 1993, p. 51. Ausich and Kammer, 2008b, p. 1144.  
Named, currently recognized species based on cups or crowns: 2 Mississippian, Viséan species  
Mississippian, Viséan (Osagean). United States, Nevada, Iowa

*Dilatocrinus apricus* Webster and Lane, 1987, p. 27, Fig. 7, nos. 14-18. Webster, 1993, p. 51.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

\**Dilatocrinus multiramosus* (Meek and Worthen, 1866). Webster and Lane, 1987, p. 26. Webster, 1993, p. 51. Ausich and Kammer, 2008b, p. 1144, Figs. 2.4, 2.7, 2.8.  
*Amphoracrinus multiramosus* Meek and Worthen, 1868b, p. 348. Bassler and Moodey, 1943, p. 299. Webster and Lane, 1987, p. 26. Webster, 1993, p. 51.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri

**DIMEROCRINITES** Phillips *in* Murchison, 1839. \**D. decadactylus* Phillips *in* Murchison, 1839.  
Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Phillips *in* Murchison, 1839, p. 674. Salter, 1873, p. 120. Zittel, 1880, p. 344, 368. Lahusen, 1895, p. 147. Bassler, 1915, p. 438. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423. Moore and Laudon, 1943b, p. 83, Fig. 13. Moore and Laudon, 1944, p. 187. Ubaghs, 1953, p. 737, Fig. 139, no. c. Webster, 1977, p. 71. Ubaghs *in* Moore and Teichert, 1978, p. T110, T127, T434, Figs. 83, no. 3; 99, no. 2. Witzke and Strimple, 1981, P. 108. Smith, A. B., 1985, p. 168. Webster, 1986, p. 129. Ausich and Dravage, 1988, p. 286. Webster, 1988, p. 77. Webster, 1993, p. 51. Simms, 1994b, p. 304, Figs. 1, no. D; 2, no. D. Simms, 1994c, p. 258, Figs. 1, no. D; 3, no. D. Lane and Ausich, 1995, p. 1099. Jell, 1999a, p. 10. Le Menn et al., 2003, p. 52. Donovan et al., 2012, p. 145.  
**DIMEROCRINUS** Müller, J., 1843, p. 208. Bronn, 1848, p. 424. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 46, 156. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 237. Pictet, 1857, p. 318. Eichwald, 1860, p. 596. Dujardin and Hupé, 1862, p. 131. Bigsby, 1868, p. 19. Zittel, 1879, p. 368. Wachsmuth and Springer, 1881, p. 184, 197 (358, 371). Zittel, 1895, p. 130. Bather *in* Lankester, 1900, p.

198. Springer, 1911c, p. 117. Springer *in* Zittel, 1913, p. 187. Bassler, 1915, p. 438. Springer, 1926a, p. 12. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 423.
- GLYPTASTER* Hall, 1852a, p. 187, 355. \**G. brachiatus* Hall, 1852. Hall, 1863a, p. 8. Hall, 1864b, p. 202. Hall, 1879a, p. 131. Hall, 1879b, p. 133. Zittel, 1880, p. 344, 375. Wachsmuth and Springer, 1881, p. 184, 193 (358, 367). Hall, 1882b, p. 259. Miller, S. A., 1889, p. 247. Zittel, 1895, p. 130. Bassler, 1915, p. 438. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 424.
- THYSANOCRINUS* Hall, 1852a, p. 188, 355. \**T. liliiformis* Hall, 1852 (SD). Pictet, 1857, p. 317. Dujardin and Hupé, 1862, p. 128. Shumard, 1868, p. 398. Bigsby, 1868, p. 23. Zittel, 1880, p. 345, 377. Miller, S. A., 1889, p. 286. Koken, 1896, p. 283. Wachsmuth and Springer, 1897, p. 190. Wachsmuth *in* Zittel, 1900, p. 145. Weller, S., 1900, p. 70. Grabau, 1901a, p. 155. Grabau, 1901b, p. 155. Grabau and Shimer, 1910, p. 547, Fig. 1876. Bassler, 1915, p. 438.
- Bassler, 1938, p. 184. Bassler and Moodey, 1943, p. 424.
- Named, currently recognized species based on cups or crowns: 36 species, 1 subspecies, 29 Silurian, 5 Llandoveryan, 1 Llandoveryan – Wenlockian, 8 Wenlockian, 1 Wenlockian – Ludlovian, 14 Niagaran; 7 Devonian, 3 Lochkovian, 2 Pragian, 2 Givetian (+1 Givetian subspecies)
- Silurian, Llandoveryan - Devonian, early Siegenian. Europe  
 Silurian, Llandoveryan - Devonian, Givetian. North America  
 Devonian, late Lochkovian. Australia, Victoria

*DIMEROCRINITES* Pacht (*non* Phillips), 1852 = ***DACTYLOCRINUS***

- Dimerocrinites aculeatus* (Hall, 1852). Bassler and Moodey, 1943, p. 424.  
*Thysanocrinus aculeatus* Hall, 1852a, p. 190, Pl. 42, figs. 3a-3d. Pictet, 1857, p. 317, Pl. 100, fig. 13, nos. a-b. Dujardin and Hupé, 1862, p. 128. Shumard, 1868, p. 398. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 286. Bassler, 1915, p. 438. Bassler and Moodey, 1943, p. 424.  
*Rhodocrinus (Thysanocrinus) aculeatus* (Hall, 1852). Shumard, 1866, p. 398. Bassler, 1915, p. 438.  
*Dimerocrinus aculeatus* (Hall, 1852). Bassler, 1915, p. 438.  
 Silurian, Niagaran, Rochester Shale. United States, New York
- Dimerocrinites arborescens* (Talbot, 1905) = *Ambicocrinus arborescens*
- Dimerocrinites anticostiensis* Twenhofel, unpublished. Ausich and Copper, 2010, p. 19, *nomen nudum*.
- Dimerocrinites aragonensis* Le Menn *in* Le Menn et al, 2003, p. 52, Figs. 1, nos. j-p; 2, no. A; 3-4.  
 Silurian, late Wenlockian - early Ludlovian, Badenas Formation. Spain, Aragon
- Dimerocrinites bispinosus* Jell, 1999a, p. 10, Fig. 6, nos. A-D.  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

- Dimerocrinites brachiatus* (Hall, 1852). Bassler and Moodey, 1943, p. 424.  
*Glyptaster brachiatus* Hall, 1852a, p. 187, Pl. 41, figs. 4a-4b. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 439. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 424.  
*Thysanocrinus brachiatus* (Hall, 1852). Wachsmuth and Springer, 1897, p. 195, Pl. 18, fig. 7. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.  
*Dimerocrinus brachiatus* (Hall, 1852). Bassler, 1915, p. 439.  
 Silurian, Niagaran, Rochester Shale. United States, New York
- Dimerocrinites* sp. cf. *D. brachiatus* (Hall, 1852). Taylor and Brett, 1996, p. 132, Fig. 10, no. C.  
 Silurian, Wenlockian, Rochester Shale. United States, New York
- Dimerocrinites campanulatus* (Slocum, 1908). Bassler and Moodey, 1943, p. 424.  
*Thysanocrinus campanulatus* Slocum, 1908, p. 299, Pl. 85, figs. 20-23. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.  
*Dimerocrinus campanulatus* (Slocum, 1908). Bassler, 1915, p. 439.  
 Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Dimerocrinites canaliculatus* (Hall, 1852). Bassler and Moodey, 1943, p. 424.  
*Thysanocrinus canaliculatus* Hall, 1852c, p. 189, Pl. 42, figs. 2a-2d. Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.  
*Rhodocrinus (Thysanocrinus) canaliculatus* (Hall, 1852). Shumard, 1866, p. 398. Bassler, 1915, p. 439.  
*Thysanocrinus canaliculatus* Hall, 1852. Bigsby, 1868, p. 23 (sic).  
*Dimerocrinus canaliculatus* (Hall, 1852). Bassler, 1915, p. 439.  
 Silurian, Niagaran, Rochester Shale. United States, New York
- Dimerocrinites decadactylus* Phillips, 1839 = *\*Dimerocrinites (D.) decadactylus*
- Dimerocrinites (Dimerocrinites) decadactylus* Phillips, 1839. *\*D. decadactylus* Phillips in Murchison, 1839.  
 Witzke and Strimple, 1981, p. 108. Webster, 1988, p. 77.  
**Note.** With the recognition of *Eucrinus* as a genus there is no need for recognizing the subgenus *Dimerocrinites*. GDW.  
 Silurian, Wenlockian. United Kingdom  
 Silurian, Llandoveryan. United States, Iowa
- \*Dimerocrinites (Dimerocrinites) decadactylus* Phillips in Murchison, 1839.  
*Dimerocrinites decadactylus* Phillips in Murchison, 1839, p. 674, Pl. 17, fig. 4.  
 Murchison, 1855, p. 246, Pl. 13, fig. 5. Murchison, 1872, p. 223, Pl. 13, fig. 5.  
 Salter, 1873, p. 121. Bather in Lankester, 1900, p. 199, Fig. 123. Bassler, 1938, p. 87. Bassler and Moodey, 1943, p. 424. Ubaghs in Moore and Teichert, 1978, p. T434, Fig. 243, no. 1. Webster, 1986, p. 129. Donovan et al., 2008a, p. 35,

Fig. 3, no. D. Donovan et al., 2012, Pls. 39, fig. 2, 40, figs. 1-3; Figs. 65 no. A, 66.

*Dimerocrinus decadactylus* Phillips, 1839. Bronn, 1848, p. 424. d'Orbigny, 1850, p. 46. Dujardin and Hupé, 1862, p. 131. Bigsby, 1868, p. 19.

Silurian Wenlockian (Homerican), Much Wenlock Limestone Formation. United Kingdom, Dudley

*Dimerocrinites (Dimerocrinites) hopkintonensis* Witzke and Strimple, 1981, p. 110, Pl. 1, figs. 15-19. Webster, 1988, p. 77.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Dimerocrinites (Dimerocrinites) sculptus* Witzke and Strimple, 1981, p. 108, Pl. 1, figs. 8-14. Webster, 1988, p. 77.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Dimerocrinites egani* (Miller, 1881). Bassler and Moodey, 1943, p. 424.

*Glyptaster egani* Miller, S. A., 1881c, p. 261, Pl. 6, figs. 4-4b. Miller, S. A., 1889, p. 247, Fig. 311. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.

*Thysanocrinus egani* (Miller, 1881). Weller, S., 1900, p. 74, Pl. 1, fig. 5. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.

*Dimerocrinus egani* (Miller, 1881). Bassler, 1915, p. 439.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Dimerocrinites elegans* Springer in Twenhofel, 1928, p. 138, Pl. 4, fig. 3. Bassler and Moodey, 1943, p. 424. Bolton, T. E., 1972, p. 15, Pls. 10, fig. 6; 11, fig. 2.

Webster, 1977, p. 71. Ausich and Copper, 2010, p. 16, Pl. 2, figs. 4, 6-7.

Silurian, late Llandoveryan, Jupiter River Formation. Canada, Quebec, Anticosti Island

**DIMEROCRINITES (EUCRINUS)** Angelin, 1878 = **EUCRINUS**

*Dimerocrinites (Eucrius) ankylos* Lane and Ausich, 1995 = *Eucrius ankylos*

*Dimerocrinites (Eucrius) laevis* (Angelin, 1878) = *\*Eucrius laevis*

*Dimerocrinites (Eucrius) sp.* Witzke and Strimple, 1981 = *Eucrius sp.*

*Dimerocrinites eugenius* (Ohern, 1913). Bassler and Moodey, 1943, p. 424.

*Thysanocrinus eugenius* Ohern, 1913, p. 249, Pl. 36, figs. 3-7. Bassler and Moodey, 1943, p. 424.

Devonian, Pragian (Siegenian), Oriskany Group, Ridgeley Sandstone. United States, Maryland

*Dimerocrinites halli* (Lyon, 1862) = *Griphocrinus halli*

*Dimerocrinites icosidactylus* Phillips in Murchison, 1839, p. 674, Pl. 17, fig. 5.

Murchison, 1859, p. 246, Pl. 13, fig. 4. Bassler and Moodey, 1943, p. 425.

Watkins and Hurst, 1977, p. 210, Fig. 4. Webster, 1986, p. 129. Baumiller and

- Gahn, 2004, p. 1454, Fig. 1, no. D. Donovan, 2009, p. 161, Fig. 10.  
*Dimerocrinus icosidactylus* (Phillips in Murchison, 1839). Bronn, 1848, p. 424.  
 d'Orbigny, 1850, p. 46. Dujardin and Hupé, 1862, p. 131. Bigsby, 1868, p. 19.  
 Murchison, 1872, p. 223, Pl. 13, fig. 4. Salter, 1873, p. 120. Quenstedt, 1885, p.  
 948, Pl. 76, fig. 4.  
 Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom
- Dimerocrinites inornatus* (Hall, 1863). Bassler and Moodey, 1943, p. 425. Moore and  
 Laudon, 1944, p. 187, Pl. 72, fig. 4. Ubaghs, 1953, p. 737, Fig. 22, no. a.  
 Webster, 1973, p. 110. Ubaghs in Moore and Teichert, 1978, p. T179, Fig. 151,  
 no. 1. Webster, 1986, p. 129.  
*Glyptaster inornatus* Hall, 1863a, p. 11. Hall, 1864b, p. 205. Hall, 1872a, p. 3, Fig. 3.  
 Hall, 1872b, p. 207, Fig. 3. Hall, 1879a, p. 134, Pl. 14, figs. 1-6. Hall, 1882b, p.  
 263, Pl. 13, figs. 1-6; Fig. 3. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 439.  
 Bassler and Moodey, 1943, p. 425.  
*Thysanocrinus inornatus* (Hall, 1863). Wachsmuth and Springer, 1897, p. 193,  
 Pls. 18, figs. 6a-6d; 19, fig. 5. Grabau and Shimer, 1910, p. 547. Bassler, 1915,  
 p. 439. Bassler and Moodey, 1943, p. 425.  
*Dimerocrinus inornatus* (Hall, 1863). Springer, 1926a, p. 13, Pl. 1, figs. 11-12.  
 Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 425.  
 Silurian, Niagaran, Waldron Shale. United States, Indiana, Tennessee
- Dimerocrinites interradialis* (Angelin, 1878). Bassler and Moodey, 1943, p. 425.  
*Eucrinus interradialis* Angelin, 1878, p. 25, Pls. 6, fig. 6; 19, figs. 1, 7, 8. Bassler  
 and Moodey, 1943, p. 425.  
*Dimerocrinus interradialis* (Angelin, 1878). Springer, 1926a, p. 14. Bassler and  
 Moodey, 1943, p. 425.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Dimerocrinites laevis* (Angelin, 1878) = *Dimerocrinites (Eucrinus) laevis* = *Eucrinus  
 laevis*
- Dimerocrinites lanveocensis* Le Menn, 1985, p. 49, Pl. 6, figs. 9-14. Webster, 1988, p.  
 77. Le Menn in Le Menn et al., 2003, p. 52, Figs. 1, nos. e-i; 2, no. B.  
 Devonian, early Lockhovian, upper part Plougastel Formation, lower part of  
 Landevennec Formation; lower part of La Haye-du-Puits Formation; "Gres  
 superiores" and Telheiras Formation. France, American Massif; Portugal
- Dimerocrinites liliiformis* (Hall, 1852). Bassler and Moodey, 1943, p. 425.  
*Thysanocrinus liliiformis* Hall, 1852a, p. 188, Pl. 42, figs. 1a-1f. Shumard, 1868, p.  
 398. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 286. Wachsmuth and  
 Springer, 1897, p. 192, Pl. 18, fig. 4. Grabau, 1901a, p. 156, Fig. 50. Grabau,  
 1901b, p. 158, Fig. 50. Bassler, 1915, p. 439. Bassler, 1938, p. 184. Bassler  
 and  
 Moodey, 1943, p. 425.  
*Rhodocrinus (Thysanocrinus) liliiformis* (Hall, 1852). Shumard, 1866, p. 398.  
 Bassler, 1915, p. 439.

*Dimerocrinus liliiformis* (Hall, 1852). Wachsmuth and Springer, 1881, p. 373 (p. 199). Bassler, 1915, p. 439.  
Silurian, Niagaran, Rochester Shale. United States, New York

*Dimerocrinites* cf. *D. liliiformis* (Hall, 1852). Brett and Eckert, 1982, p. 6, Fig. 3, no. C.  
Taylor and Brett in Hess et al., 1999 p. 89, Fig. 106, no. B.  
*Dimerocrinites* cf. *D. lilliformis* (Hall, 1852). Webster, 1988, p. 77 (sic).  
Silurian, Wenlockian, Rochester Shale. Canada, Ontario

*Dimerocrinites* cf. *D. lilliformis* (Hall, 1852) = *Dimerocrinites* cf. *D. liliiformis*

*Dimerocrinites lockportensis* (Ringueberg, 1890). Bassler and Moodey, 1943, p. 425.  
Brett, 1985b, p. 824, Fig. 4, no. 2. Webster, 1988, p. 77.  
*Glyptaster (Eucrinus) lockportensis* Ringueberg, 1890, p. 304, Pl. 3, figs. 4-4a.  
Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 425.  
*Dimerocrinus lockportensis* (Ringueberg, 1890). Bassler, 1915, p. 440.  
Silurian, Wenlockian, Gasport Limestone. United States, New York

*Dimerocrinites medius* (Angelin, 1878). Bassler and Moodey, 1943, p. 425.  
*Actinocrinus medius* Angelin, 1878, p. 6, Pl. 18, fig. 9. Bassler and Moodey, 1943, p. 425.  
Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom

*Dimerocrinites mifflinensis* (Witmer, 1937). *Nomen correctum*  
*Dimerocrinus mifflinensis* Witmer, 1937, p. 77, Fig. 1.  
Silurian, Niagaran, Rochester Formation, Keefer Sandstone Member. United States, Pennsylvania

*Dimerocrinites milliganae* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 425.  
*Glyptaster milliganae* Miller and Gurley, 1896c, p. 87, Pl. 5a, figs. 7-9. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 425.  
*Dimerocrinus milliganae* (Miller and Gurley, 1896). Bassler, 1915, p. 440.  
Springer, 1926a, p. 13, Pl. 1, fig. 8.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Dimerocrinites nodobasis* (Springer, 1926). Bassler and Moodey, 1943, p. 425.  
*Dimerocrinus nodobasis* Springer, 1926a, p. 13, Pl. 1, figs. 9-10. Bassler and Moodey, 1943, p. 425.  
Silurian, Niagaran, Beech River Formation. United States

*Dimerocrinites nodulosus* (Hall, 1862) = \**Griphocrinus nodulosus*

*Dimerocrinites nodulosus pernodosus* (Goldring, 1923). Bassler and Moodey, 1943, p. 425.  
*Rhodocrinus nodulosus* var. *pernodosus* Goldring, 1923, p. 91, Pl. 2, fig. 6. Bassler and Moodey, 1943, p. 425.  
Devonian, Givetian, Moscow Shale. United States, New York

- Dimerocrinites occidentalis* (Hall, 1864). Bassler and Moodey, 1943, p. 425.  
*Glyptaster occidentalis* Hall, 1863a, p. 10. Hall, 1864b, p. 204. Hall, 1864c, p. 326, Pl. 10, fig. 3. Hall, 1865 (adv. pub.). Hall, 1867b, p. 326, Pl. 10, fig. 3. Hall, 1870, p. 369, Pl. 10, fig. 3. Hall, 1877, Pl. 13, figs. 7-11. Hall, 1879a, p. 133, Pl. 13, figs. 7-11. Hall, 1882b, p. 262, Pl. 12, figs. 7-11. Miller, S. A., 1889, p. 247, Fig. 312. Whitfield, 1882a, p. 281, Pl. 16, figs. 3-4. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426.  
*Thysanocrinus occidentalis* (Hall, 1864). Wachsmuth and Springer, 1897, p. 194, Pl. 18, figs. 5a-5c. Weller, S., 1900, p. 73, Pl. 1, figs. 6-7. Grabau and Shimer, 1910, p. 547. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426.  
*Glyptaster occidentalis* var. *a* Hall, 1863a, p. 10. Hall, 1864b, p. 204. Bassler and Moodey, 1943, p. 426.  
*Glyptaster occidentalis* var. *crebescens* Hall, 1879a, p. 133. Hall, 1882b, p. 263. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426.  
 Silurian, Niagaran, Waldron Shale, Racine Dolomite. United States, Indiana, Wisconsin, Illinois
- Dimerocrinites oehlerti* Le Menn, 1980, p. 249, Pl. 34, figs. 9-10; Fig. 60. Le Menn, 1985, p. 52, Pl. 7, figs. 1-5; Fig. 21. Webster, 1986, p. 129. Le Menn, 1987b, p. 815, Pl. 1, fig. 20. Webster, 1988, p. 77. Webster, 1993, p. 51. Le Menn *in* Le Menn et al., 2003, p. 54, Fig. 1, nos. a-d.  
 Devonian, early Pragian, early Gedinian - early Siegenian, l'Armorique Formation, Saint-Cenere Formation. France, Armorican Massif
- Dimerocrinites oligoptilus* Pacht, 1852 = *Dactylocrinus oligoptilus*
- Dimerocrinites (Taxocrinus) oligoptilus* Pacht, 1852 = *Dactylocrinus oligoptilus*
- Dimerocrinites olygoptylus* Pacht, 1852 = *Dactylocrinus oligoptilus*
- Dimerocrinites ornatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 425.  
*Eucrinus ornatus* Angelin, 1878, p. 25, Pl. 6, figs. 7-7b. Bassler and Moodey, 1943, p. 425.  
*Dimerocrinus ornatus* (Angelin, 1878). Springer, 1926a, p. 14. Bassler and Moodey, 1943, p. 426.  
 Silurian, Wenlockian, Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom
- Dimerocrinites pentangularis* (Hall, 1863). Bassler and Moodey, 1943, p. 425.  
*Glyptaster pentangularis* Hall, 1863a, p. 22, Unnum. Pl., fig. 4. Hall, 1864c, p. 326, Pl. 10, fig. 4. Hall, 1867b, p. 326, Pl. 10, fig. 4. Hall, 1870, p. 369, Pl. 10, fig. 4. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426.  
*Thysanocrinus pentangularis* (Hall, 1863). Weller, S., 1900, p. 70, Pl. 1, figs. 8-11. Grabau and Shimer, 1910, p. 547. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426. Donovan et al., 2012, p. 153, Pl. 39, fig. 3.

Silurian, Niagaran, Racine Dolomite. United States, Wisconsin  
 Silurian, Llandoveryan (Telychian): ADeerhope Formation, United Kingdom,  
 Scotland

*Dimerocrinites pentlandicus* Brower, 1975a, p. 640, Pl. 74, fig. 5; Fig. 3, no. a.

Webster, 1986, p. 129. Donovan, Fernhead, and Lewis, 2007, p.

176, Pl. 34, figs. 1-2. Donovan et al., 2008b, p. 335, Fig. 15.1, no. 3.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom,  
 Scotland

Silurian, late Llandoveryan, Telcyian, Reservoir Formation, Starfish Beds. United  
 Kingdom, Scotland

*Dimerocrinites planus* (Springer, 1926). Bassler and Moodey, 1943, p. 426. Moore  
 and Laudon, 1943b, p. 138, Pl. 9, fig. 11. Moore and Laudon, 1944, p. 187, Pl.  
 72, fig. 7. Webster, 1973, p. 110.

*Dimerocrinus planus* Springer, 1926a, p. 13, Pl. 1, figs. 1-7. Bassler and Moodey,  
 1943, p. 426.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Dimerocrinites quinquangularis* (Angelin, 1878). Bassler and Moodey, 1943, p. 426.

*Eucrinus quinquangularis* Angelin, 1878, p. 25, Pl. 10, figs. 5-14. Bassler and  
 Moodey, 1943, p. 426.

*Dimerocrinus quinquangularis* (Angelin, 1878). Springer, 1926a, p. 12. Bassler  
 and Moodey, 1943, p. 426.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Dimerocrinites roemeri* (Troost, 1909). Bassler and Moodey, 1943, p. 426.

*Dimerocrinus roemeri* Troost in Wood, E., 1909, p. 101, Pl. 15, fig. 4. Bassler,  
 1915, p. 440. Bassler and Moodey, 1943, p. 426.

*Gilbertocrinites roemeri* (Troost, 1909). Bassler, 1915, p. 440. Bassler and  
 Moodey, 1943, p. 426.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Dimerocrinites sartensis* Le Menn in Le Menn et al., 2003, p. 53, Fig. 1, nos. q-v.

Devonian, Lochkovian. France

*Dimerocrinites speciosus* (Angelin, 1878). Bassler and Moodey, 1943, p. 426. Smith,  
 A. B., 1985, p. 168, Pl. 7.4.12. Webster, 1988, p. 77. Donovan et al., 2008a, p.  
 35, Fig. 2, no. B. Donovan et al., 2012, p. 150, Pls. 39, fig. 1; 40, fig. 5.

*Eucrinus speciosus* Angelin, 1878, p. 25, Pls. 19, figs. 2-2a; 23, figs. 7-7b; 26, figs.  
 26-26a; 27, fig. 2. Bassler and Moodey, 1943, p. 426.

*Dimerocrinus speciosus* (Angelin, 1878). Springer, 1926a, p. 14. Bassler and  
 Moodey, 1943, p. 426.

Silurian, Wenlockian, Much Wenlock Limestone Formation. Sweden, Isle of  
 Gotland; United Kingdom, Scotland

*Dimerocrinites spinigerus* (Springer, 1911). Bassler and Moodey, 1943, p. 426.



- Dimerocrinus spinigerus* Springer, 1911c, p. 119, Pl. 3, figs. 11a-11d. Bassler and Moodey, 1943, p. 426.  
Devonian, Givetian, Sellersburg Limestone. United States, Indiana
- Dimerocrinites uniformis* (Salter, 1873). Donovan et al., 2012, p. 152, Fiig. 67.  
Silurian Wenlockian (Homerian, Much Wenlock Limestone Formation. United Kingdom, Scotland
- Dimerocrinites? vagans* (Foerste, 1919) = *Periechocrinid incertae sedis*
- Dimerocrinites waldronensis* (Miller and Dyer, 1878). Bassler and Moodey, 1943, p. 426.  
*Cyathocrinus waldronensis* Miller and Dyer, 1878a, p. 6, Pl. 4, fig. 9. Miller, S. A., 1889, p. 237. Miller and Gurley, 1896, p. 49, Pl. 3, figs. 19-20. Miller, S. A., 1897, p. 741, Fig. 1330. Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 426.  
*Dimerocrinus waldronensis* (Miller and Dyer, 1878). Wachsmuth and Springer, 1885, p. 101 (323). Bassler, 1915, p. 440. Bassler and Moodey, 1943, p. 427.  
*Macrostylocrinus waldronensis* (Miller and Dyer, 1878). Wachsmuth and Springer, 1886, p. 149 (p. 225). Bassler, 1915, p. 440.  
Silurian, Niagaran, Waldron Shale. United States, Indiana
- Dimerocrinites whitfieldi* (Goldring, 1923). Bassler and Moodey, 1943, p. 427.  
*Dimerocrinus whitfieldi* Goldring, 1923, p. 85, Pl. 1, fig. 2. Bassler and Moodey, 1943, p. 427.  
Devonian, Givetian, Moscow Shale. United States, New York
- Dimerocrinites* sp. A Le Menn, 1985, p. 47, Pl. 6, figs. 1-8, Fig. 19, nos. A-B. Webster, 1988, p. 78.  
Silurian, Wenlockian, Badenas Formation. Spain
- Dimerocrinites* sp. A Le Menn, 1987b, p. 815, Pl. 1, figs. 15-16, 19. Webster, 1993, p. 51.  
Silurian, Early Wenlockian, Badenas Formation. Spain
- Dimerocrinites* sp. A Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, upper part of Birdsong Member. United States, Tennessee
- Dimerocrinites* n. sp. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, upper part of Birdsong Member. United States, Tennessee
- Dimerocrinites ?* sp. nov. Donovan and Harper, 2003 = *Ptychocrinus mullochillensis*
- Dimerocrinites* spp.  
Garner, 1844, p. 460, Pl. A, fig. 7. Bronn, 1848, p. 424.  
Silurian. United Kingdom

- Brett, 1984, p. 92, Fig. 4, nos. A-B, D. Webster, 1988, p. 78.  
 Silurian, Wenlockian, Rochester Shale. United States, New York
- Brett, 1991, p. 330, Fig. 18, no. L.  
 Silurian, no. other stratigraphic information given
- Taylor and Brett *in* Hess et al., 1999 p. 89, Fig. 106.  
 Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus*  
 Beds. United States, New York

*Dimerocrinites* sp. Donovan and Clark, 1992 = *Chaosocrinus ornatus*

*Dimerocrinites?* sp. Brett and Eckert, 1982, p. 6, Fig. 3, no. D. Webster, 1988, p. 78.  
 Silurian, Wenlockian, Rochester Shale. Canada, Ontario

*Dimerocrinitidae* gen. et sp. nov. Jell and Holloway, 1983, p. 12, Figs. 7, nos. C-E; 8.  
 Webster, 1988, p. 78.  
 Late Silurian - Early Devonian, Pridoli – Lochkovian, Dargile-Humevale Formation  
 transition beds. Australia, Victoria

*Dimerocrinitidae* indeterminate Ausich and Copper, 2010, p. 22, Pl. 2, fig. 3; Fig. 5.7.

*Dimerocrinitidae*, *Lampterocrinidae*, and *Ptychocrinidae*. Moore, 1954, p. 144, Fig. 7,  
 no. B (plate diagram). Webster, 1973, p. 273.

*DIMEROCRINUS* of authors = ***DIMEROCRINITES***

*Dimerocrinus aculeatus* (Hall, 1852) = *Dimerocrinites aculeatus*

*Dimerocrinus arborescens* (Talbot, 1905) = *Dimerocrinites arborescens* = *Ambicocrinus*  
*arborescens*

*Dimerocrinus brachiatus* (Hall, 1852) = *Dimerocrinites brachiatus*

*Dimerocrinus campanulatus* (Slocum, 1908) = *Dimerocrinites campanulatus*

*Dimerocrinus canaliculatus* (Hall, 1852) = *Dimerocrinites canaliculatus*

*Dimerocrinus constrictus* d'Orbigny, 1849 = *Actinocrinites constrictus*

*Dimerocrinus (cucrinus)* Delage and Herouard, 1903, p. 386, Fig. 479. [in error for  
*Dimerocrinus (Eucrinus)*]  
 Silurian

*Dimerocrinus decadactylus* Phillips, 1839 = *Dimerocrinites decadactylus*

*Dimerocrinus egani* (Miller, 1881) = *Dimerocrinites egani*

*Dimerocrinus halli* (Lyon, 1861) = *Dimerocrinites halli* = *Griphocrinus halli*

*Dimerocrinus icosidactylus* (Phillips in Murchison, 1839) = *Dimerocrinites icosidactylus*

*Dimerocrinus immaturus* (Hall, 1852) = *Gazacrinus immaturus*

*Dimerocrinus inornatus* (Hall, 1863) = *Dimerocrinites inornatus*

*Dimerocrinus interradians* (Angelin, 1878) = *Dimerocrinites interradians*

*Dimerocrinus laevis* (Angelin, 1878) = *Dimerocrinites laevis* = *Eucrinus laevis*

*Dimerocrinus leptodactylus* Zittel, 1880, p. 368, Fig. 256.

**Note.** Figure cited to be after Angelin, 1878. However, the figure best matches that identified as *Patelliocrinus plumulosus* (Pl. 22, fig. 8). Angelin, 1878 does not use the specific name *leptodactylus*. GDW]

Silurian, Wenlockian. Sweden, Isle of Gotland

*Dimerocrinus liliformis* (Hall, 1852) = *Dimerocrinites liliformis*

*Dimerocrinus lockportensis* (Ringueberg, 1890) = *Dimerocrinites lockportensis*

*Dimerocrinus mifflinensis* Witmer, 1937 = *Dimerocrinites mifflinensis*

*Dimerocrinus milliganae* (Miller and Gurley, 1896) = *Dimerocrinites milliganae*

*Dimerocrinus multiplex* Salter, 1873, p. 120. Bassler and Moodey, 1943, p. 427.  
Silurian, Wenlockian, Wenlock Limestone. United Kingdom

*Dimerocrinus nodobasis* Springer, 1926 = *Dimerocrinites nodobasis*

*Dimerocrinus oligoptilus* (Pacht, 1852) = *\*Dactylocrinus oligoptilus*

*Dimerocrinus (Taxocrinus) oligoptilus* (Pacht, 1852) = *Dactylocrinus oligoptilus*

*Dimerocrinus olygoptilus* (Pacht, 1852) = *\*Dactylocrinus oligoptilus*

*Dimerocrinus ornatus* (Angelin, 1878) = *Dimerocrinites ornatus*

*Dimerocrinus planus* Springer, 1926 = *Dimerocrinites planus*

*Dimerocrinus quinquangularis* (Angelin, 1878) = *Dimerocrinites quinquangularis*

*Dimerocrinus roemeri* (Troost, 1849) = *Dimerocrinites roemeri*

*Dimerocrinus speciosus* (Angelin, 1878) = *Dimerocrinites speciosus*

*Dimerocrinus spinigerus* Springer, 1911 = *Dimerocrinites spinigerus*

*Dimerocrinus uniformis* Salter, 1873, p. 120. Bassler and Moodey, 1943, p. 427.  
Silurian, Wenlockian, Wenlock Limestone. United Kingdom

*Dimerocrinus? vagans* Foerste, 1919 = *Dimerocrinites vagans* = *Periechocrinid incertae sedis*

*Dimerocrinus waldronensis* (Miller and Dyer, 1878) = *Dimerocrinites waldronensis*

*Dimerocrinus whitfieldi* (Goldring, 1923) = *Dimerocrinites whitfieldi*

**DIMORPHICRINUS** d'Orbigny, 1849. \**Platycrinites pentangularis* Miller, 1821.

"Inadunata", unclassified

D'Orbigny, 1849-51, p. 140. d'Orbigny, 1850, p. 155. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 427. Moore and Teichert, 1978, p. T928.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian. United Kingdom

\**Dimorphocrinus pentangularis* (Miller, 1821). d'Orbigny, 1850, p. 155. Bassler and Moodey, 1943, p. 426.

*Platycrinites pentangularis* Miller, J. S., 1821, p. 83, Unnum. Pl., fig. 1 (*non* figs. 2, 6-7). Fleming, 1828, p. 496. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 427.

*Platycrinus pentangularis* (Miller, 1821). Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 152.

*Encrinites pentangularis* (Miller, 1821). Schlotheim, 1832-1833, p. 94, Pl. 26, figs. 5a-5d. Schlotheim, 1832, p. 24, Pl. 26, figs. 5a-5d.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

**DINACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus expansus* Strimple, 1951. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 36. Webster, 1977, p. 71. Moore and Strimple *in* Moore and Teichert, 1978, p. T485. Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 129. Webster, 1988, p. 78.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Desmoinesian, 1 Missourian, 1 series not designated

Middle - Late Pennsylvanian, Desmoinesian - Missourian. United States, Oklahoma, Illinois

*Dinacrocrinus elegans* Strimple, 1949. Moore and Strimple, 1969a, p. 36, Fig. 21, no. 1. Webster, 1977, p. 72.

*Acrocrinus elegans* Strimple, 1949e, p. 903, Pl. 1, figs. 4-6; Fig. 2. Moore and Strimple, 1969a, p. 36. Webster, 1973, p. 34. Webster, 1977, p. 72.

Pennsylvanian, Missourian, Ochelata Group. United States, Oklahoma

\**Dinacrocrinus expansus* Strimple, 1951. Moore and Strimple, 1969a, p. 36, Figs. 1, no. 7; 21, no. 4. Webster, 1977, p. 72. Moore and Strimple *in* Moore and Teichert, 1978, p. T486, Figs. 282, no. 7; 288, no. 1.

*Acrocrinus expansus* Strimple, 1951d, p. 192, Figs. 1, 17-20. Strimple, 1962e, p. 48.

Moore and Strimple, 1969a, p. 36. Webster, 1973, p. 34. Webster, 1977, p. 72. Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Dinacrocrinus wortheni* Wachsmuth, 1882. Moore and Strimple, 1969a, p. 37, Fig. 22, nos. 1-3. Webster, 1977, p. 72.

*Acrocrinus wortheni* Wachsmuth, 1882, p. 41. Wachsmuth and Barris, 1883, p. 343, Pl. 30, fig. 13; Unnum. Fig. Wachsmuth and Springer, 1885, p. 125, Pl. 9, fig. 1. Miller, S. A., 1889, p. 216, Fig. 231. Wachsmuth and Springer, 1897, p. 807, Pl. 80, figs. 10a-10b. Weller, S., 1898c, p. 54. Springer, 1926b, p. 45, Pl. 12, fig. 10. Bassler and Moodey, 1943, p. 266. Moore and Strimple, 1969a, p. 37. Webster, 1977, p. 72.

Pennsylvanian, uncertain of series, possibly Desmoinesian or Missourian. United States, Illinois

#### *DINOCRINUS* Wanner, 1916 = **CALCEOLISPONGIA**

*Dinocrinus aculeatus* Wanner, 1937 = *Calceolispongia aculeata*

*Dinocrinus(?) bicornutus* Wanner, 1940 = *Calceolispongia bicornutus*

*Dinocrinus bifurcatus* Wanner, 1937 = *Calceolispongia bifurcata*

*Dinocrinus cornutus* Wanner, 1916 = *Calceolispongia cornuta*

*Dinocrinus cornutus* var. *hindei* Gerth, 1936 = *Calceolispongia hindei*

*Dinocrinus elegans* Marez Oyens, 1940 = *Calceolispongia elegans*

*Dinocrinus(?) horridus* Wanner, 1940 = *Calceolispongia horridus*

*Dinocrinus mammeatus* Wanner, 1924 = *Calceolispongia mammeata*

*Dinocrinus noetlingi* Sieverts-Doreck, 1942 = *Calceolispongia noetlingi* = *Jimbacrinus? noetlingi*

*Dinocrinus?* sp. nov. Reed, 1928 = *Calceolispongia?* sp. nov.

#### **DINOTOCRINUS** Kirk, 1941. \**D. compactus* Kirk, 1941.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Kirk, 1941a, p. 513. Bassler and Moodey, 1943, p. 427. Moore and Laudon, 1943b, p. 56. Moore and Laudon, 1944, p. 161. Arendt and Hecker, 1964, p. 88.

Webster, 1973, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T744. Burdick and Strimple, 1983a, p. 87. Webster, 1986, p. 129. Webster, 1988, p. 78. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 51.

Kammer

and Ausich, 1993, p. 636. Webster and Waters, 2005, p. 29.  
Named, currently recognized species based on cups or crowns: 6 Mississippian species, 2 Viséan, 2 Viséan – Serpukhovian, 2 Serpukhovian Mississippian, Viséan – Serpukhovian (Osagean – Chesterian). North America

*Dinotocrinus albertaensis* Laudon, Parks, and Spreng, 1952 = *Borucrinus albertaensis*

*Dinotocrinus alvestonensis* Wright, 1951 = *Borucrinus alvestonensis*

\**Dinotocrinus compactus* Kirk, 1941a, p. 515, Pl. 63. Bassler and Moodey, 1943, p. 428. Moore and Laudon, 1944, p. 161, Pl. 61, fig. 12. Webster, 1973, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T744, Fig. 493, no. 3. Burdick and Strimple, 1983a, p. 90, Pl. 17, figs. 2, 5, 9-10. Webster, 1986, p. 129. Webster, 1988, p. 78.

Mississippian, Viséan - Serpukhovian (Chesterian), Monteagle Limestone, Ste. Genevieve Limestone. United States, Alabama

*Dinotocrinus eirensis* Wright, 1951 = *Borucrinus eirensis*

*Dinotocrinus huntsvillae* (Worthen, 1873). Burdick and Strimple, 1983a, p. 88, Pl. 6, fig. 11. Webster, 1988, p. 78.

*Scaphiocrinus huntsvillae* Worthen, 1873, p. 534, Pl. 20, fig. 1. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 671. Burdick and Strimple, 1983a, p. 88. Webster, 1988, p. 78.

Mississippian, Viséan - Serpukhovian (Meramecian – Chesterian), Monteagle Limestone; Ste. Genevieve Limestone. United States, Alabama

*Dinotocrinus latidactylus* (Worthen, 1882). Kammer and Ausich, 1993, p. 637, Fig. 5.11.

*Poteriocrinus latidactylus* Worthen, 1882, p. 8. Worthen, 1883, p. 275, Pl. 28, fig. 6. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 637.

*Scaphiocrinus latidactylus* (Worthen, 1882). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 545. Kammer and Ausich, 1993, p. 637.

*Pachylocrinus latidactylus* (Worthen, 1882). Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 637.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois

*Dinotocrinus logani* Laudon and Severson, 1953 = *Borucrinus logani*

*Dinotocrinus otterensis* Webster and Waters, 2005, p. 30, Figs. 2.16-2.18.

Mississippian, Serpukhovian (early Chesterian), Otter Formation. United States, Montana

*Dinotocrinus pergracilis* Wright, 1951 = *Borucrinus?* *Pergracilis*

*Dinotocrinus roemeri* (Troost *in* Wood, 1909). Kirk, 1941a, p. 514. Bassler and Moodey, 1943, p. 428. Burdick and Strimple, 1983a, p. 89. Webster, 1988, p. 78.

*Cyathocrinites roemerii* Troost, 1850a, p. 61 (*nomen nudum*).

*Cyathocrinites roemeri* Troost, 1850. Miller, S. A., 1889, p. 236. Wood, E., 1909, p. 86, Pl. 6, fig. 11. Bassler and Moodey, 1943, p. 428.

Mississippian, Serpukhovian (Meramecian), Monteagle Limestone. United States, Alabama

*Dinotocrinus salteri* (Worthen, 1882). Kirk, 1941a, p. 514. Bassler and Moodey, 1943, p. 428.

*Poteriocrinus salteri* Worthen, 1882, p. 21. Worthen, 1883, p. 291, Pl. 29, fig. 18.

Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 428.

*Scaphiocrinus salteri* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 428.

Mississippian, Viséan (Chesterian), Ste. Genevieve Limestone. United States Illinois, Alabama

**DIPHUICRINUS** Moore and Plummer, 1938. \**D. croneisi* Moore and Plummer, 1938. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Moore and Plummer, 1938, p. 307. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 428. Moore and Laudon, 1943b, p. 60. Strimple and Moore, 1971c, p. 3. Moore and Strimple, 1973, p. 64. Webster, 1973, p. 111. Strimple, 1977f, p. 160. Webster, 1977, p. 72. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T711. Webster, 1986, p. 130. Webster and Kues, 2006, p. 12.

**PARALLEOCRINUS** Knapp, 1969, p. 362. \**P. typus* Knapp, 1969. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T711.

Named, currently recognized species based on cups or crowns: 14 Pennsylvanian species, 4 Morrowan, 5 Atokan, 1 Atokan - Desmoinesian, 2 Desmoinesian, 2 Virgilian

Pennsylvanian, Morrowan - Virgilian. United States

*Diphuicrinus aristatus* (Strimple, 1949). Burke, 1976b, p. 10. Webster, 1986, p. 130.

*Delocrinus aristatus* Strimple, 1949d, p. 18, Pl. 3, figs. 18-21. Strimple, 1961g, p. 124. Webster, 1973, p. 139. Burke, 1976b, p. 9. Webster, 1986, p. 130.

*Graffhamicrinus aristatus* (Strimple, 1949). Strimple, 1961g, p. 124. Webster, 1973, p. 139. Pabian and Strimple, 1974b, p. 15, Fig. 5, nos. 13-15. Burke, 1976, p. 9. Webster, 1986, p. 130.

Pennsylvanian, Atokan, Dornick Hills Formation, Lester Limestone Member; Pumpkin Creek Limestone. United States, Oklahoma

*Diphuicrinus borgesae* Webster and Kues, 2006, p. 12, Figs. 5.17-5.20.

Pennsylvanian, Virgilian, Alamitos Formation. United States, New Mexico

- Diphuicrinus coalensis* Strimple and Moore, 1971c, p. 5, Fig. 3, nos. 9-14 (*non* Figs. 2, nos. 9-14 as given p. 5). Webster, 1977, p. 72. Strimple, 1980b, p. 9, Pl. 1, figs. 12-14. Webster, 1986, p. 130.  
Pennsylvanian, Atokan, Barnett Hill Member; La Pasada Formation. United States, Oklahoma, New Mexico
- \**Diphuicrinus croneisi* Moore and Plummer, 1938, p. 308, Pls. 14, fig. 6; 16, figs. 3a-3c, 4a-4g, 10; Fig. 37. Bassler and Moodey, 1943, p. 428. Strimple and Knapp, 1966, p. 312, Pl. 36, figs. 1-2, 15-17, 24-27; Fig. 1, no. A. Strimple and Moore, 1971c, p. 3, Fig. 1, no. 3. Moore and Strimple, 1973, p. 64, Pl. 15, figs. 3a-3d. Webster, 1973, p. 111. Webster, 1977, p. 72. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T711, Fig. 469, nos. 1a-1j. Webster, 1986, p. 130. Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma
- Diphuicrinus dovelyensis* Strimple and Moore, 1971c, p. 5, Figs. 1, no. 1; 2, nos. 7-10; 3, nos. 1-4. Strimple, 1975e, p. 15, Fig. 10, nos. 1-2. Webster, 1977, p. 72. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712, Fig. 469, nos. 1n-1q. Webster, 1986, p. 130.  
Pennsylvanian, Atokan - Desmoinesian, Deese Formation, Dovsky Limestone; Atoka Formation, Webbers Falls Member. United States, Oklahoma
- Diphuicrinus faustus* Moore and Strimple, 1973, p. 65, Pls. 14, figs. 1a-1d; 15, figs. 4a-4b. Burke, 1976b, p. 6, Figs. 7-9. Webster, 1977, p. 72. Webster, 1986, p. 130. Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma
- Diphuicrinus mammifer* Moore and Strimple, 1973, p. 65, Pls. 14, figs. 3a-4; 16, figs. 1a-1c; 17, figs. 4a-4d. Strimple, 1975f, p. 30. Webster, 1977, p. 72. Webster, 1986, p. 130.  
Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma
- Diphuicrinus? mercenarius* (Burke, 1974). New combination  
*Parallelocrinus mercenarius* Burke, 1974c, p. 2, Figs. 1-4. Webster, 1986, p. 235. Pennsylvanian, Virgilian, Douglas Group, Stranger Formation, Vinland Shale. United States, Kansas
- Diphuicrinus ohioensis* Burke, 1976b, p. 2, Figs. 1-6 (incorrectly given as Figs. 1-9, p. 2). Webster, 1986, p. 131.  
Pennsylvanian, Desmoinesian (Alleghenian), Allegheny Group, Putnam Hill Limestone Member. United States, Ohio
- Diphuicrinus patina* Strimple and Knapp, 1966, p. 313, Pl. 36, figs. 18-20, 23; Fig. 1, no. B. Strimple and Moore, 1971c, p. 3, Fig. 1, no. 5. Webster, 1973, p. 111. Webster, 1977, p. 73.  
Pennsylvanian, Atokan, Breathitt Formation. United States, Kentucky



*Diphuicrinus pegmus* Strimple and Moore, 1971c, p. 5, Fig. 2, nos. 4-6. Strimple, 1972d, p. 147, Fig. 1, nod. d-f. Webster, 1977, p. 73. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712, Fig. 469, nos. 1k-1m. Webster, 1986, p. 131.

Pennsylvanian, Desmoinesian, Savanna Formation, Frensley Limestone Member. United States, Oklahoma

*Diphuicrinus pentanodus* Moore and Strimple, 1973, p. 65, Pl. 16, figs. 2a-2d. Webster, 1977, p. 73.

Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Diphuicrinus santafeensis* Strimple, 1980b, p. 7, Pl. 1, figs. 9-11. Webster, 1986, p. 131. Pennsylvanian, Atokan, La Pasada Formation. United States, New Mexico

*Diphuicrinus sturgeoni* (Burke, 1971) = *Diphuicrinus typus*

*Diphuicrinus typus* (Knapp, 1969). Strimple, and Moore, 1971c, p. 3, Fig. 1, nos. 2, 4. Webster, 1977, p. 73. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712, Fig. 470, no. 1. Webster, 1986, p. 131.

*Parallelocrinus typus* Knapp, 1969, p. 352, Pl. 61, figs. 10-12; Fig. 16. Strimple, and Moore, 1971c, p. 3. Burke, 1971a, p. 198. Webster, 1977, p. 73.

*Palmerocrinus comptus* Knapp, 1969, Pl. 61, figs. 22-24 only. Strimple and Moore, 1969, p. 3. Webster, 1977, p. 73.

*Parallelocrinus sturgeoni* Burke, 1971a, p. 198, Figs. 1-4. Webster, 1977, p. 73.

*Diphuicrinus sturgeoni* (Burke, 1971). Webster, 1977, p. 73.

Pennsylvanian, Atokan, Burgner Formation; Ames Limestone. United States, Missouri, Ohio

*Diphuicrinus* sp. Strimple and Moore, 1971c, p. 7, Fig. 3, nos. 5-8 (*non* fig. 2, nos. 9-11 as given on p. 7). Webster, 1977, p. 73.

Pennsylvanian, Desmoinesian, Lester Limestone. United States, Oklahoma

Disarticulated camerate theca Lane, N. G., 1973, p. 74, Fig. 17. Webster, 1977, p. 180. Mississippian, Viséan (Osagean), Edwardsville Limestone. United States, Indiana

Disarticulated stem and crown ossicles Lane, N., G., 1971, Fig. 6 (camerate). Webster, 1977, p. 180.

Mississippian, Viséan (Osagean), Edwardsville Limestone. United States, Indiana

*DISCONIA* Westphal, 1974 = **CARABOCRINUS**

*Disconia pentamerus* Westphal, 1974 = *Carabocrinus dicyclicus*

*Disconia pentamrus* Westphal, 1974 = *Disconia pentamerus* = *Carabocrinus dicyclicus*

Disparid sp. A nov. Donovan, 1988c, p. 236. Webster, 1993, p. 52.

Ordovician, series and locality not given

Disparid sp. B nov. Donovan, 1988c, p. 236. Webster, 1993, p. 52.  
Ordovician, series and locality not given

?Disparid brachials Pisera, 1994, p. 290, Pl. 60, figs. 12, 18-19.  
Ordovician, Darriwilian – Katian (Llanvirnian – Ashgillian), Mojca Limestone.  
Poland, Holy Cross Mountains

?Disparid microcrinoid, gen and sp. unknown Sevastopulo and Lane, 1981, p. 1173,  
Pl. 1, figs.1-4. Webster, 1988, p. 78.  
Silurian, Ludlovian, Brownsport Formation. United States, Tennessee

Disparida Rozhnov, 2002, p. S538, Fig. 10. (diagramatic)

Disparida gen. et sp. ind. Prokop and Petr, 1990, p. 60.  
Eléments divers Wagen and Jahn, 1899, Pl. 78, fig. 2, nos. 12-13 (only). Prokop  
and Petr, 1990, p. 60. Webster, 1993, p. 52.  
Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

Disparida incertae sedis, microcrinoids Haude, 2004b, p. 241, Pl. 1, figs. 4-5.  
Devonian, late Famennian, Etröeungt, Middle *expansa* Biozone. Germany

Disparids Rozhnov, 2002, p. 611, Fig. 59, no. f. (diagramatic)

Disparids with compound radials Ausich, 1996b, p. 960, Fig. 6, no. 4 (diagramatic).

Disparids without compound radials Ausich, 1996b, p. 960, Fig. 6, no. 5 (diagramatic).

**DISPLODOCRINUS** Webster and Lane, 1987. \**Actinocrinus divergens* Hall, 1859.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Amphoracrinidae  
Webster and Lane, 1987, p. 24. Webster, 1993, p. 52. Webster et al., 2004, p. 19.  
Ausich and Kammer, 2008b, p. 1144.  
Named, currently recognized species based on cups or crowns: 4 Mississippian,  
Viséan species  
Mississippian, Viséan (Osagean). United States.

\**Dispolodocrinus divergens* (Hall, 1859). Webster and Lane, 1987, p. 25. Webster,  
1993, p. 52. Ausich and Kammer, 2008b, p. 1146, Figs. 3.1-3.7.

*Actinocrinus divergens* Hall, 1859a, p. 36. Shumard, 1868, p. 343. Miller, S. A.,  
1889, p. 217. Weller, S., 1898c, p. 82. Bassler and Moodey, 1943, p. 298.  
Webster and Lane, 1987, p. 25. Webster, 1993, p. 52.

*Amphoracrinus divergens* (Hall, 1859). Meek and Worthen, 1868b, p. 348. Meek  
and

Worthen, 1873, p. 388, Pl. 6, fig. 6. Miller, S. A., 1889, p. 223. Whitfield, 1893b,  
p. 21, Pl. 2, figs. 12-13. Keyes, 1894a, p. 166, Pl. 22, fig. 4. Wachmsuth and  
Springer, 1897, p. 588, Pl. 62, figs. 5-10. Weller, S., 1898c, p. 82. Grabau and  
Shimer, 1910, p. 527, Fig. 1853. Bassler and Moodey, 1943, p. 299. Moore and  
Laudon, 1943b, p. 139, Pl. 10, fig. 13. Moore and Laudon, 1944, p. 191, Pl. 77,

- fig. 28. Webster, 1973, p. 50. Webster and Lane, 1987, p. 25. Webster, 1993, p. 52.
- Actinocrinus planobasalis* Hall, 1859a, p. 1. Shumard, 1868, p. 347. Hall, 1872c, Pl. 4, figs. 10-11. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 82. Bassler and Moodey, 1943, p. 299.
- Actinocrinus quadrispinus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 15. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 82. Bassler and Moodey, 1943, p. 299. Webster and Lane, 1987, p. 25.
- Amphoracrinus quadrispinus* (White, 1862). Miller, S. A., 1889, p. 223. Wachsmuth and Springer, 1889a, p. Pl. 18, fig. 13.
- ?*Actinocrinus quadrispinus* White, 1862. Webster and Lane, 1987, p. 25. Webster, 1993, p. 52.
- Amphoracrinus divergens* var. *multiramosus* Wachsmuth and Springer, 1897, p. 588. Weller, S., 1898c, p. 82. Bassler and Moodey, 1943, p. 299.
- Amphoracrinus planobasalis* (Hall, 1859). Meek and Worthen, 1868b, p. 348. Miller, S. A., 1889, p. 223. Miller, S. A., 1897, p. 734. Bassler and Moodey, 1943, p. 299.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone; Waverly Group. United States, Iowa, Missouri, New Mexico, Ohio
- Displodocrinus monticulus* Webster and Lane, 1987, p. 25, Fig. 7, nos. 6-9. Webster, 1993, p. 52.
- Mississippian, Viséan (Osagean), lower part of Anchor Limestone, Monte Cristo Group. United States, Nevada
- Displodocrinus monticulus?* Webster and Lane, 1987, p. 26, Fig. 7, no. 10. Webster, 1993, p. 52.
- Mississippian, Viséan (Osagean), lower part of Anchor Limestone, Monte Cristo Group. United States, Nevada
- Displodocrinus nevadensis* (Webster and Lane, 1987). Ausich and Kammer, 2008b, p. 1146.
- Sunwaptacrinus nevadensis* Webster and Lane, 1987, p. 22, Fig. 7, nos. 1-5. Webster, 1993, p. 114. Ausich and Kammer, 2008b, p. 1146.
- Mississippian, Viséan (early Osagean), Anchor Limestone. United States, Nevada
- Dissarticulated crinoid columns and crowns Kammer, Ausich, and Lane, 1983, p. 54, Fig. 11, no. D. Webster, 1988, p. 78.
- Mississippian, Viséan (Osagean) Borden Formation. United States, Indiana
- Dissociated calyx plates Ruhrmann, 1971b, p. 239, Fig. 8. Webster, 1977, p. 180 (camerate?).
- Devonian. Spain
- DISTACTOCRINUS** Lane, 1984 = **DYSTACTOCRINUS**
- DIZYGOCRINUS** Wachsmuth and Springer, 1897. \**Actinocrinus indianaensis* Lyon and Casseday, 1860.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Wachsmuth and Springer, 1897, p. 413. Miller, S. A., 1897, p. 742. Bather *in* Lankester, 1900, p. 168. Grabau and Shimer, 1910, p. 542. Springer *in* Zittel, 1913, p. 196. Bassler, 1938, p. 88. Bassler and Moodey, 1943, p. 428. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 197. Ubaghs, 1953, p. 740. Lane, N. G., 1963a, p. 698. Lane, N. G., 1963b, p. 925. Webster, 1973, p. 111. Webster, 1977, p. 73. Lane *in* Moore and Teichert, 1978, p. T468. Webster, 1986, p. 131. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 78. Webster, 1993, p. 52. Ausich and Kammer, 2010a, p. 42.

**Note.** Ausich and Kammer, 2010a, p. 42 list the age of *Dizygocrinus* as Osagean to early Chestereian, but two species are reported from the Kinderhookian, GDW. Named, currently recognized species based on cups or crowns: 20 Mississippian species. 3 Tournaisian, 16 Viséan, 1 Serpukhovian Mississippian, Tournaisian – Serpukhovian (Kinderhookian – Chesterian). United States

*Dizygocrinus andrewsianus* (McChesney, 1860) = *Azygocrinus andrewsianus* = *Abatocrinus andrewsianus*

*Dizygocrinus biturbinatus* (Hall, 1858). Wachsmuth and Springer, 1897, p. 427, Pl. 33, fig. 9. Weller, S., 1898c, p. 232. Grabau and Shimer, 1910, p. 543. Bassler and Moodey, 1943, p. 428. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 644, Figs. 5.5-5.8.

*Actinocrinus biturbinatus* Hall, 1858c, p. 616, Pl. 16, figs. 5, 6a-6c; Fig. 95. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 428. Ausich and Kammer, 1992, p. 644.

*Batocrinus biturbinatus* (Hall, 1858). Miller, S. A., 1889, p. 227. Ausich and Kammer, 1992, p. 644.

*Batocrinus abscissus* Rowley and Hare, 1891b, p. 115, Pl. 3, fig. 6. Miller, S. A., 1892a, p. 675. Weller, 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 644.

*Batocrinus burketi* Miller and Gurley, 1895a, p. 19, Pl. 2, fig. 9. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 322. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 644.

*Batocrinus gurleyi* Rowley and Hare, 1891b (*non* Miller, 1891), p. 115, Pl. 3, fig. 7. Miller, S. A., 1892a, p. 675. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 644.

*Batocrinus lyonanus* Miller and Gurley, 1893, p. 18, Pl. 3, figs. 4-5. Miller, S. A., 1897, p. 737. Bassler and Moodey, 1943, p. 428.

*Batocrinus signatus* Miller and Gurley, 1896b, p. 10, Pl. 1, figs. 16-17. Miller, S. A., 1897, p. 739. Bassler and Moodey, 1943, p. 331. Ausich and Kammer, 1992, p. 644.

*Batocrinus sweeti* Rowley and Hare, 1891b, p. 116, Pl. 3, fig. 8. Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 234. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 644.

- Dizygocrinus euconus abscissus* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 644.
- Dizygocrinus euconus* var. *abscissus* (Rowley and Hare, 1891). Wachsmuth and Springer, 1897, p. 431, Pl. 46, fig. 9. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 644.
- Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897. Ausich and Kammer, 1992, p. 644.
- Dizygocrinus montgomeryensis unibrachiatus* Wachsmuth and Springer, 1897, p. 429, Pl. 33, figs. 5a-5c. Weller, S., 1898c, p. 234. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111.
- Mississippian, Viséan (late Osagean), Keokuk Limestone, lower part of the Warsaw Formation, Ramp Creek Formation, Edwardsville Formation. United States, Illinois, Indiana, Missouri, Iowa

*Dizygocrinus calvus* Feldman, 1989 = *Dizygocrinus venustus*

- Dizygocrinus cantonensis* Wachsmuth and Springer, 1897, p. 423, Pl. 33, figs. 8a-8b. Miller, S. A., 1897, p. 742. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 428. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Webster, 1977, p. 46. Ubaghs in Moore and Teichert, 1978, p. T154, Fig. 126, no. 3. Webster, 1986, p. 131. Ausich and Kammer, 1992, p. 653, Fig. 7.32.
- Azygocrinus cantonensis* (Wachsmuth and Springer, 1897). Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 46.
- Mississippian, Viséan (Meramecian), Harrodsburg Limestone. United States, Indiana
- Dizygocrinus caroli* (Hall, 1859). Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 646, Figs. 5.9-5.16, 6.1-6.2.
- Actinocrinus caroli* Hall, 1859a, p. 54, Pl. 1, fig. 11. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 646.
- Batocrinus caroli* (Hall, 1859). Miller, S. A., 1889, p. 227. Ausich and Kammer, 1992, p. 646.
- Batocrinus boonvillensis* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 675, Pl. 10, fig. 13. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Batocrinus broadheadi* Miller and Gurley, 1895b, p. 15, Pl. 1, figs. 10-11. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 322. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Batocrinus delicatulus* Miller and Gurley, 1896b, p. 12, Pl. 1, figs. 20-21. Miller, S. A., 1897, p. 736. Bassler and Moodey, 1943, p. 324. ?Ausich and Kammer, 1992, p. 646.
- ?*Aorocrinus delicatulus* (Miller and Gurley, 1896). Ausich and Kammer, 1992, p. 646.
- Batocrinus divalis* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 276, Pl. 3, figs. 6-7. Miller, S. A., 1892c, p. 22, Pl. 3, figs. 6-7.

- Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 431.
- Batocrinus gurleyi* Miller, S. A., 1891c [non Rowley and Hare, 1891] (adv. pub.).  
Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 676, Pl. 11, figs. 9-10. Weller, S., 1898c, p. 233, 234. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 646.
- Dizygocrinus gurleyi* (Miller, 1891) (non Rowley and Hare, 1891). Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 646.
- ?*Dizygocrinus gurleyi* (Miller, 1891). Wachsmuth and Springer, 1897, p. 422, Pl. 34, fig. 19.
- Batocrinus mediocris* Miller and Gurley, 1891c (adv. pub.). Miller and Gurley, 1892a, p. 675. Miller and Gurley, 1892b, p. 672, Pl. 10, fig. 9. Miller and Gurley, 1897, p. 737, Fig. 1313. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Dizygocrinus mediocris* (Miller and Gurley, 1891). Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Batocrinus parilis* Miller and Gurley, 1896b, p. 17, Pl. 2, figs. 1-2. Miller, S. A., 1897, p. 738, Fig. 1315. Bassler and Moodey, 1943, p. 328. Ausich and Kammer, 1992, p. 646.
- Batocrinus sampsoni* Miller and Gurley, 1895b, p. 7, Pl. 1, figs. 2-3. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Batocrinus venustulus* Miller and Gurley, 1895b, p. 12, Pl. 1, fig. 7. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 333. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 646.
- Batocrinus vetustus* Miller and Gurley, 1895b, p. 10, Pl. 1, figs. 5-6. Bassler and Moodey, 1943, p. 333. Ausich and Kammer, 1992, p. 646.
- Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897 (in part). Ausich and Kammer, 1992, p. 646.
- Dizygocrinus whitei* var. *didactylus* Wachsmuth and Springer, 1897, p. 420, Pl. 35, figs. 12-13. Weller, S., 1898c, p. 236. Bassler and Moodey, 1943, p. 432. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 111. Ausich and Kammer, 1992, p. 646.
- Mississippian, Viséan (late Osagean – Meramecian), lower and upper parts of Warsaw Formation, Spergen Limestone. United States, Illinois, Missouri, Iowa, Kentucky
- Dizygocrinus cistula* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.
- Batocrinus cistula* Miller and Gurley, 1896a, p. 18, Pl. 1, figs. 24-26. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323. Ausich and Kammer, 2010a, p. 42.
- Mississippian, Viséan (Meramecian), Spergen Limestone. United States, Indiana

*Dizygocrinus crawfordsvillensis* (Miller, 1891) = *Dizygocrinus indianaensis*

*Dizygocrinus decoris* (Miller, 1891) = *Azygocrinus decoris*

*Dizygocrinus dodecadactylus* (Meek and Worthen, 1861) = *Azygocrinus dodecadactylus*

*Dizygocrinus euconus* (Meek and Worthen, 1865) = *Azygocrinus euconus* = *Batocrinus euconus*

*Dizygocrinus euconus abscissus* (Rowley and Hare, 1891) = *Dizygocrinus biturbinatus*

*Dizygocrinus euconus* var. *abscissus* (Rowley and Hare, 1891) = *Dizygocrinus biturbinatus*

*Dizygocrinus davisii* (Rowley and Hare, 1891). Ausich, 2009a, p. 486, suppl., p. 9. Ausich and Kammer, 2010a, p. 42.

*Batocrinus davisii* Rowley and Hare, 1891b, p. 116, Pl. 3, fig. 9. Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 235. Rowley, R. R., 1904a, p. 171, Pl. 51, figs. 7-9. Rowley, 1906, p. 29, Pl. 6, figs. 9, 17-18. Beede, 1906, p. 1248, Pl. 15, figs. 7-9. Bassler and Moodey, 1943, p. 431. Ausich and Kammer, 2010a, p. 42. Mississippian, Serpukhovian (Chesterian), Kaskaskia Group. United States, Missouri

*Dizygocrinus facetus* (Miller and Gurley, 1890) = *Dizygocrinus whitei*

*Dizygocrinus? germanus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42. *Batocrinus germanus* Miller and Gurley, 1896a, p. 5, Pl. 1, figs. 1-3. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 325. Ausich and Kammer, 2010a, p. 42.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Dizygocrinus gorbyi* (Miller, 1891). Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 651, Figs. 7.7, 7.9, 7.15-7.17. Newell, 2005, p. 31, Fig. 3, no. 16 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 486.

*Batocrinus gorbyi* Miller, S. A., 1891c (adv. pub.). Miller and Gurley, 1892a, p. 675. Miller and Gurely, 1892b, p. 673, Pl. 10, fig. 10. Weller, S., 1898c, p. 233.

Bassler

and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 651.

?*Dizygocrinus gorbyi* (Miller, 1891). Wachsmuth and Springer, 1897, p. 426. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 651.

*Batocrinus puchellus* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 678, Pl. 11, figs. 13-14. Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 651.

*Dizygocrinus unionensis* var. *divalis* (Miller, 1891). Wachsmuth and Springer, 1897,

p. 25, Pl. 35, figs. 21-24. Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p.

431. Ausich and Kammer, 1992, p. 651.

*Dizygocrinus unionensis divalis* (Miller, 1891). Weller, S., 1898c, p. 235. Bassler and Moodey, 1943, p. 431. Ausich and Kammer, 1992, p. 651.

*Batocrinus nitidulus* Miller and Gurley, 1895b, p. 17, Pl. 1, figs. 12-13. Miller, S. A., 1897, p. 737. Bassler and Moodey, 1943, p. 328. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 651.

*Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897 (in part). Ausich and Kammer, 1992, p. 651.

*Actinocrinites mortoni* Troost, 1850a (part), p. 60. Troost, 1850b (part), p. 419. Bassler and Moodey, 1943, p. 431.

Mississippian, Viséan (late Osagean – Meramecian), lower and upper parts of Warsaw Formation, Harrodsburg Limestone. United States, Missouri, Iowa, Indiana

?*Dizygocrinus gorbyi* (Miller, 1891) = *Dizygocrinus whitei* = *D. gorbyi*

*Dizygocrinus gurleyi* (Miller, 1891) (non Rowley and Hare, 1891) = *Dizygocrinus caroli*

?*Dizygocrinus gurleyi* (Miller, 1891) = *Dizygocrinus gurleyi* = *D. caroli*

\**Dizygocrinus indianaensis* (Lyon and Casseday, 1860). Lane, N. G., 1963a, p. 699, Fig. 3, no. D. Van Sant in Van Sant and Lane, 1964, p. 112, Pl. 8, figs. 5-8; Figs. 19, no. 9; 20, nos. 1, 7; 38-40 (non Figs. 13, nos. 1, 7; 38; 40, as given on p. 112). Priest, 1972, p. 86, Fig. 2, p. 87. Lane, N. G., 1973, p. 60, Fig. 20.

Webster,

1973, p. 112. Webster, 1977, p. 73. Lane in Moore and Teichert 1978, p. T469, Fig. 275, no. 7. Lane, N. G., 1986, p. 157, Fig. 9. Webster, 1988, p. 78. Ausich and Kammer, 1992, p. 642, figs. 5.1-5.4. Webster, 1993, p. 52.

*Actinocrinus indianaensis* Lyon and Casseday, 1860, p. 75. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Bassler, 1938, p. 89.

*Actinocrinus indianensis* Lyon and Casseday, 1860 (sic). Wachsmuth and Springer, 1897, p. 415, Pls. 33, figs. 6a-6b; 35, fig. 5. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Ausich and Kammer, 1992, p. 642.

*Batocrinus indianensis* (Lyon and Casseday, 1860) [sic]. Quenstedt, 1885, p. 956, Pl. 77, fig. 6. Miller, S. A., 1889, p. 228. Ausich and Kammer, 1992, p. 642.

*Dizygocrinus indianensis* (Lyon and Casseday), 1860 [sic]. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 11. Moore and Laudon, 1944, p. 197, Pl. 75, fig. 3. Laudon, 1948, Pl. 2. Conkin and Conkin, 1976, p. 226, Pl. 11. Ubaghs in Moore and Teichert 1978, p. T136, Fig. 106, nos. 2-4. Webster, 1986, p. 131. Ausich and Kammer, 1992, p. 642.

*Dizygocrinus indianensis* var. *simplex* Wachsmuth and Springer, 1897, p. 416, Pl. 33, fig. 7. Miller, S. A., 1897, p. 742. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112.

*Batocrinus crawfordsvillensis* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 674, Pl. 10, figs. 11-12. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 428. Ausich and Kammer, 1992, p. 642.



*Dizygocrinus crawfordsvillensis* (Miller, 1891). Wachsmuth and Springer, 1897, p. 417. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 428. Lane, N. G., 1963a, p. 699. Van Sant *in* Van Sant and Lane, 1964, p. 111. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 642.

*Batocrinus decrepitus* Miller, S. A., 1892a, p. 675. Miller, S. A., 1892c, p. 34, Pl. 5, fig. 24. Miller, S. A., 1894, p. 288, Pl. 5, fig. 24. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 324. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 642.

*Batocrinus simplex* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 739. Mississippian, Viséan (Osagean), Edwardsville Formation, Ramp Creek Formation. United States, Indiana

*Dizygocrinus indianensis* (Lyon and Casseday, 1860) = *Dizygocrinus indianaensis*

*Dizygocrinus indianensis* var. *simplex* Wachsmuth and Springer, 1897 = *Dizygocrinus indianaensis*

*Dizygocrinus intermedius* (Wachsmuth and Springer, 1881) = *Dizygocrinus originarius*

*Dizygocrinus? insuetus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 42.

*Batocrinus insuetus* Miller and Gurley, 1895b, p. 14, Pl. 1, figs. 8-9. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Ausich and Kammer, 1992, p. 652. Ausich and Kammer, 2010a, p. 42.

Mississippian, Viséan (Meramecian), upper part of Warsaw Formation. United States, Missouri,

*Dizygocrinus labellum* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 42.

*Batocrinus labellum* Miller and Gurley, 1895a, p. 21, Pl. 2, figs. 10-12. Miller, S. A., 1897, p. 737, Fig. 1310. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 326.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana

*Dizygocrinus mediocris* (Miller, 1891) = *Dizygocrinus caroli*

*Dizygocrinus montgomeryensis* (Worthen, 1884). Wachsmuth and Springer, 1897, p. 428, Pls. 33, figs. 3-4; 46, fig. 10. Weller, S., 1898c, p. 233. Grabau and Shimer, 1910, p. 543. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 700. Van Sant *in* Van Sant and Lane, 1964, p. 114, Pl. 7, figs. 9, 11, 13; Figs. 17, no. 2; 19, no. 7. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 649, Figs. 7.5-7.6, 7.11. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 9.

*Batocrinus montgomeryensis* Worthen, 1884, p. 25. Miller, S. A., 1889, p. 228. Worthen, 1890, p. 83, Pl. 12, figs. 2-2a. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Webster, 1977, p. 46. Ausich and Kammer, 1992, p. 649.

*Dolatocrinus montgomeryensis* (Worthen, 1884). Abel, 1920, p. 264, Fig. 409 right.

*Azygocrinus montgomeryensis* (Worthen, 1884). Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 46.

*Batocrinus subconicus* Worthen, 1884, p. 26. Miller, S. A., 1889, p. 228. Worthen, 1890, p. 84, Pl. 13, figs. 4-4a. Weller, S., 1898c, p. 232. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 649.

Mississippian, Viséan (late Osagean), Edwardsville Formation; Keokuk Limestone; Muldraugh Member, Borden Formation. United States, Indiana, Kentucky

*Dizygocrinus montgomeryensis unibrachiatus* Wachsmuth and Springer, 1897 =  
*Dizygocrinus biturbinatus*

*Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897 (in part) = *Dizygocrinus biturbinatus*

*Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897 (in part) = *Dizygocrinus caroli*

*Dizygocrinus montgomeryensis* var. *unibrachiatus* Wachsmuth and Springer, 1897 (in part) = *Dizygocrinus gorbyi*

*Dizygocrinus mutabilis* Wachsmuth and Springer, 1897, p. 429, Pl. 35, figs. 8-11. Miller, S. A., 1897, p. 742. Weller, S., 1898c, p. 234. Bassler and Moodey, 1943, p. 430.

Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p.

653, Figs. 7.24-7.25, 7.31.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Dizygocrinus originarius* Wachsmuth and Springer, 1897, p. 421, Pl. 33, figs. 1a-1b. Weller, S., 1898c, p. 234. Grabau and Shimer, 1910, p. 543. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 648, Figs. 7.1-7.4, 7.8, 7.10.

*Dizygocrinus originarius* var. *adultus* Wachsmuth and Springer, 1897, p. 422, Pl. 35, figs. 14-15. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Ausich and Kammer, 1992, p. 648.

*Dizygocrinus originarius adultus* Wachsmuth and Springer, 1897. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Ausich and Kammer, 1992, p. 648.

*Eretmocrinus originarius* (Wachsmuth and Springer, 1881). Miller, S. A., 1889, p. 243. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 234. Bassler and Moodey, 1943, p. 457. Ausich and Kammer, 1992, p. 648.

*Batocrinus originarius* (Wachsmuth and Springer, 1881). Miller, S. A., 1897, p. 738. Ausich and Kammer, 1992, p. 648.

*Eretmocrinus adultus* Wachsmuth and Springer, 1881, p. 175 (349). Miller, S. A., 1889, p. 243. Miller, S. A., 1897, p. 737, 744. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 648.

*Batocrinus adultus* (Wachsmuth and Springer, 1881). Miller, S. A., 1897, p. 735. Ausich and Kammer, 1992, p. 648.

*Eretmocrinus intermedius* Wachsmuth and Springer, 1881, p. 404, Pl. 33, figs. 2a-2c. Miller, S. A., 1889, p. 243. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 457. Lane, N. G., 1963a, p. 699. Ausich and Kammer, 1992, p. 648.

*Dizygocrinus intermedius* (Wachsmuth and Springer, 1881). Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 648.

*Batocrinus intermedius* (Wachsmuth and Springer, 1881). Ausich and Kammer, 1992, p. 648.

*Eretmocrinus varsoviensis* Worthen, 1882, p. 30. Worthen, 1883, p. 306, Pl. 28, fig. 14. Miller, S. A., 1889, p. 243. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 234. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 648.

*Batocrinus varsoviensis* (Worthen, 1882). Miller, S. A., 1897, p. 739. Ausich and Kammer, 1992, p. 648.

Mississippian, Viséan (Osagean – Meramecian), Harrodsburg Limestone, Edwardsville Formation, upper part of Warsaw Formation. United States, Indiana, Illinois

*Dizygocrinus originarius adultus* Wachsmuth and Springer, 1881 = *Dizygocrinus originarius*

*Dizygocrinus originarius* var. *adultus* (Wachsmuth and Springer, 1881) = *Dizygocrinus originarius*

*Dizygocrinus parvus* Rowley, R. R., 1906b, p. 30, Pl. 6, fig. 12. Bassler and Moodey, 1943, p. 430.

Mississippian, Viséan (Osagean), Spergen Limestone. United States, Indiana

*Dizygocrinus peculiaris* Miller and Gurley, 1895. Ausich and Kammer, 1992, p. 653, Figs. 7.27-7.30.

Mississippian, Viséan (Meramecian), upper part of Warsaw Formation. United States, Missouri

*Dizygocrinus persculptus* Ulrich, 1917 = *Batocrinus persculptus* = *Globocrinus unionensis*

*Dizygocrinus regalis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.

*Batocrinus regalis* Miller and Gurley, 1896b, p. 14, Pl. 1, figs. 22-24. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Ausich and Kammer, 2010a, p. 42.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Dizygocrinus rotundus* (Yandell and Shumard, 1855) = *Azygocrinus rotundus*

*Dizygocrinus sacculus* (Miller and Gurley, 1894) = *Batocrinus spergensis* = *Glannearycrinus spergensis*

- Dizygocrinus salemensis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.  
*Batocrinus salemensis* Miller and Gurley, 1896b, p. 8, Pl. 1, figs. 10-12. Miller, S. A., 1897, p. 738. Beede, 1906, p. 1245, Pl. 12, figs. 2-2b. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 695. Webster, 1973, p. 64. Ausich and Kammer, 2010a, p. 42.  
 Mississippian, Viséan (Mermecian), Salem Limestone. United States, Indiana
- Dizygocrinus subscitulus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.  
*Batocrinus subscitulus* Miller and Gurley, 1896c, p. 51, Pl. 3, figs. 9-11. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 332.  
 Ausich and Kammer, 2010a, p. 42 (mis-cited in synonymy as 1987c).  
 Mississippian, Kinderhookian, Chouteau Limestone. United States, Missouri
- Dizygocrinus superstes* Ulrich, 1917 = *Batocrinus unionensis* = *Dizygocrinus unionensis*  
 = *Globocrinus unionensis*
- Dizygocrinus unionensis* (Worthen, 1890) = *Globocrinus unionensis*
- Dizygocrinus unionensis divalis* (Miller, 1892 = *Dizygocrinus gorbyi*
- Dizygocrinus unionensis* var. *divalis* (Miller, 1892) = *Dizygocrinus gorbyi*
- Dizygocrinus unionensis lanesvillensis* (Rowley, 1904) = *Batocrinus irregularis*
- Dizygocrinus unionensis sculptus* (Rowley, 1904) = *Dizygocrinus unionensis* =  
*Globocrinus unionensis*
- Dizygocrinus venustus* (Miller, 1891). Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652, Figs. 7.12-7.14, 7.18-7.23, 7.26.  
*Batocrinus venustus* Miller, S. A., 1891c, (adv. pub.). Miller, S. A., 1892a, p. 675. Miller, S. A., 1892b, p. 676, Pl. 11, figs. 11-12. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652.  
*Batocrinus ignotus* Miller and Gurley, 1895b, p. 28, Pl. 1, figs. 31-33. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 326. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 652.  
*Batocrinus inconsuetus* Miller and Gurley, 1895b, p. 25, Pl. 1, figs. 25-27. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 326. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652.  
*Batocrinus inopinatus* Miller and Gurley, 1895b, p. 36, Pl. 2, figs. 4-6. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652.  
*Batocrinus modestus* Miller and Gurley, 1895b, p. 30, Pl. 1, figs. 34-41. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328.

- Lane, N. G., 1963a, p. 700. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 652.
- Batocrinus polydactylus* Miller and Gurley, 1895b, p. 5, Pl. 1, fig. 1. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652.
- Batocrinus serratus* Miller and Gurley, 1895b, p. 27, Pl. 1, figs. 28-30. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 652.
- Batocrinus veterator* Miller and Gurley, 1895b, p. 8, Pl. 1, fig. 4. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 333. Lane, N. G., 1963a, p. 699. Webster, 1973, p. 112. Ausich and Kammer, 1992, p. 652.
- Dizygocrinus calvus* Feldman, 1989b, p. 906, Fig. 3, nos. 17-19. Webster, 1993, p. 52. Ausich and Kammer, 1992, p. 652.
- Mississippian, Viséan (Meramecian), upper part of Warsaw Formation; Salem Limestone, Somerset Shale Member. United States, Missouri, Indiana
- Dizygocrinus whitei* (Wachsmuth and Springer, 1881). Wachsmuth and Springer, 1897, p. 419, Pl. 33, figs. 10a-11. Weller, S., 1898c, p. 236. Beede, 1906, p. 1251, Pl. 12, figs. 4-4a. Grabau and Shimer, 1910, p. 543. Bassler and Moodey, 1943, p. 432. Lane, N. G., 1963a, p. 700. Van Sant *in* Van Sant and Lane, 1964, p. 116. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 648, Figs. 5.17-5.21.
- Batocrinus whitei* Wachsmuth and Springer, 1881, p. 169 (343). Weller, S., 1898c, p. 236. Bassler and Moodey, 1943, p. 432. Ausich and Kammer, 1992, p. 648.
- Batocrinus whitii* (Wachsmuth and Springer, 1881). Miller, S. A., 1889, p. 228. Ausich and Kammer, 1992, p. 648.
- Batocrinus facetus* Miller and Gurley, 1890b, p. 35, Pl. 6, fig. 8. Miller and Gurley, 1891, p. 353, Pl. 6, fig. 8 (1889). Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1992, p. 648.
- Dizygocrinus facetus* (Miller and Gurley, 1890). Wachsmuth and Springer, 1897, p. 418, Pl. 33, fig. 12. Weller, S., 1898c, p. 233. Bassler and Moodey, 1943, p. 429. Ausich and Kammer, 1992, p. 648.
- Batocrinus somersetensis* Feldman, 1989b, p. 905, Fig. 3, nos. 22-29. Ausich and Kammer, 1992, p. 648. Webster, 1993, p. 30.
- Mississippian, Viséan (Osagean – Meramecian), Edwardsville Limestone; Harrodsburg Limestone; Salem Limestone, Somerset Shale Member. United States, Indiana, Kentucky
- Dizygocrinus whitei* var. *didactylus* Wachsmuth and Springer, 1897 = *Dizygocrinus caroli*
- Dizygocrinus* cf. *D. whitei* (Wachsmuth and Springer, 1881). Feldman, 1989b, p. 906. Webster, 1993, p. 52.
- Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member.

## United States, Kentucky

*Dizygocrinus* sp. A Feldman, 1989b, p. 906, Fig. 3, no. 16. Webster, 1993, p. 52.  
Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member.  
United States, Kentucky.

*Dizygocrinus* sp. Abel, 1924, p. 276, Fig. 409.  
Mississippian. United States

**DOLATOCRINUS** Lyon, 1857. \**D. lacus* Lyon, 1857.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F.  
Dolatocrinidae

Lyon, 1857, p. 482. Zittel, 1880, p. 344, 368. Shumard, 1868, p. 367. Wachsmuth  
and Springer, 1881, p. 124 (298). Miller, S. A., 1889, p. 240. Wachsmuth and  
Springer, 1897, p. 310. Bather *in* Lankester, 1900, p. 164. Wachsmuth *in* Zittel,  
1900, p. 148. Wood, E., 1904, p. 60. Grabau and Shimer, 1910, p. 556.  
Springer *in* Zittel, 1913, p. 191. Springer, 1921a, p. 16. Bassler and Moodey,  
1943, p. 432. Moore and Laudon, 1943b, p. 99, Fig. 17. Moore and Laudon,  
1944, p. 201, Pl. 70, fig. 16. Ubaghs, 1953, p. 742. Lane, N. G., 1963b, p. 918.  
Kesling and Mintz, 1963a, p. 71, Figs. 1-2. Strimple, 1970, p. 254. Webster,  
1973, p. 113. Webster, 1977, p. 73. Ubaghs *in* Moore and Teichert, 1978, p.  
T498. Webster, 1986, p. 131. Jell *et al.*, 1988, p. 386. Webster, 1988, p. 79.  
Webster, 1993, p. 53. Hauser *in* Hauser and Landeta, 2007, p. 23, Fig. 3.

**CACABOCRINITES** Troost, 1850a, p. 60. Troost, 1850b, p. 419. Roemer, C. F.,  
1860a, p. 31. Bassler, 1938, p. 55. Bassler and Moodey, 1943, p. 432. Ubaghs  
*in*

Moore and Teichert, 1978, p. T498.

**CACABOCRINUS** Hall, 1862a p. 109, Unnum. Fig.. Hall, 1862b, p. 137. Shumard,  
1868, p. 367. Miller, S. A., 1889, p. 229. Miller, S. A., 1892a, p. 677. Bassler,  
1938, p. 55. Ubaghs *in* Moore and Teichert, 1978, p. T498.

**STEREOCRINUS** Barris, 1878, p. 282. \**S. triangulatus* Barris, 1878, SD.

Wachsmuth and Springer, 1881, p. 96 (270). Wachsmuth and Springer, 1889b,  
p.

376. Miller, S. A., 1889, p. 283. Wachsmuth and Springer, 1897, p. 324. Bather  
*in*

Lankester, 1900, p. 164. Wachsmuth *in* Zittel, 1900, p. 148. Springer *in* Zittel,  
1913, p. 191. Thomas, A. O., 1924, p. 442. Bassler, 1938, p. 175. Bassler and  
Moodey, 1943, p. 687. Moore and Laudon, 1943b, p. 99. Moore and Laudon,  
1944, p. 201, Pl. 70, fig. 18. Ubaghs, 1953, p. 742. Kesling and Mintz, 1963b, p.  
229. Strimple, 1970, p. 254. Webster, 1973, p. 113. Webster, 1977, p. 160.  
Ubaghs *in* Moore and Teichert, 1978, p. T498.

Named, currently recognized species based on cups or crowns: 36 Devonian  
species, 1 subspecies, 1 Lochkovian, 9 Emsian (+1 subspecies), 3 Emsian –  
Eifelian undesignated, 23 Givetian

Early - Middle Devonian, Emsian - Givetian. North America

Middle Devonian, Givetian. Australia

*Dolatocrinus amplus* Miller and Gurley, 1894 = *Dolatocrinus stellifer*

*Dolatocrinus aplatus* Miller and Gurley, 1896 = *Dolatocrinus stellifer*

*Dolatocrinus approximatus* Miller and Gurley, 1894 = *Dolatocrinus lacus*

*Dolatocrinus argutus* Miller and Gurley, 1896 = *Dolatocrinus bulbaceus*

*Dolatocrinus arrosus* Miller and Gurley, 1896 = *Dolatocrinus bellarugosus* =  
*Dolatocrinus liratus*

*Dolatocrinus arrosus* var. *cognatus* Rowley, 1903 = *Dolatocrinus bellarugosus* =  
*Dolatocrinus liratus*

*Dolatocrinus asper* Miller and Gurley, 1896 = *Dolatocrinus lineolatus* = *Dolatocrinus*  
*liratus*

*Dolatocrinus asperatus* (Miller and Gurley, 1894) = *Dolatocrinus liratus*

*Dolatocrinus aspratilis* Miller and Gurley, 1896 = *Dolatocrinus bulbaceus*

*Dolatocrinus asterias* Wood, E., 1904, p. 71, Pl. 16, figs. 1-1a; Figs. 5-7. Springer,  
1921a, p. 48, Pl. 12, figs. 4-7. Bassler and Moodey, 1943, p. 433. Lane, N. G.,  
1963b, p. 918, Fig. 1. Webster, 1973, p. 113.  
Devonian, Givetian, Alpena Limestone, Thunder Bay Limestone. United States,  
Michigan

*Dolatocrinus aureatus* Miller and Gurley, 1894 = *Dolatocrinus venustus* = *D. liratus*

*Dolatocrinus barrisi* (Waschsmuth and Springer, 1897). Kesling and Mintz, 1963b, p.  
232, Pl. 2, figs. 7-8, 11-15. Webster, 1973, p. 113.  
*Stereocrinus barrisi* Wachsmuth and Springer, 1897, p. 326, Pl. 26, figs. 9a-9b.  
Miller, S. A., 1897, p. 753. Bassler and Moodey, 1943, p. 688. Kesling and  
Mintz, 1963b, p. 232. Webster, 1973, p. 113.  
Devonian, Givetian, Traverse Group, Thunder Bay Limestone. United States,  
Michigan

*Dolatocrinus basilicus* Miller and Gurley, 1896 = *Dolatocrinus bellulus* = *Dolatocrinus*  
*liratus*

*Dolatocrinus bellarugosus* Miller and Gurley, 1896 = *Dolatocrinus liratus*

*Dolatocrinus bellulus* Miller and Gurley, 1895 = *Dolatocrinus liratus*

*Dolatocrinus bentonensis* (Stainbrook, 1937). New Combination  
*Stereocrinus bentonensis* Stainbrook, 1937, p. 904, Pl. 1, fig. 4. Bassler and  
Moodey, 1943, p. 688.  
Devonian, Givetian, Cedar Valley Limestone. United States, Iowa

- Dolatocrinus bethaniensis* Goldring, 1950, p. 33, Pl. 2, fig. 9. Webster, 1973, p. 113.  
*Dolatocrinus springeri* Goldring, 1936 (*non* Rowley, 1903), p. 18, Pl. 7, figs. 3-5.  
 Bassler and Moodey, 1943, p. 438. Goldring, 1950, p. 33. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 113.  
 Devonian, Givetian (Erian), Ludlowville Formation, Moscow Formation. United States, New York
- Dolatocrinus bulbaceus* Miller and Gurley, 1894a, p. 22, Pl. 2, figs. 13-15. Miller, S. A., 1897, p. 742. Rowley, R. R., 1908, p. 9, Pl. 3, figs. 9-13. Springer, 1921a, p. 42, Pl. 11, figs. 1-3. Bassler and Moodey, 1943, p. 433. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 18. Kesling and Mintz, 1963a, p. 78, Pls. 1, figs. 1-4; 7, figs. 1-3. Webster, 1973, p. 114.
- Dolatocrinus argutus* Miller and Gurley, 1896a, p. 41, Pl. 3, figs. 4-6. Miller, S. A., 1897, p. 742. Springer, 1921a, p. 44, Pl. 11, figs. 4-5. Bassler and Moodey, 1943, p. 432. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 19. Kesling and Mintz, 1963a, p. 78. Lane, N. G., 1963b, p. 918, Fig. 2. Webster, 1973, p. 114.
- Dolatocrinus aspratilis* Miller and Gurley, 1896b, p. 49, Pl. 3, figs. 16-18. Miller, S. A., 1897, p. 742, Fig. 1334. Rowley, R. R., 1903a, p. 102, Pl. 32, figs. 16-18. Bassler and Moodey, 1943, p. 433.
- Dolatocrinus pulchellus* Miller and Gurley, 1895a, p. 55, Pl. 5, figs. 13-15. Miller, S. A., 1897, p. 743. Rowley, R. R., 1903a, p. 109, Pl. 33, figs. 16-18. Bassler and Moodey, 1943, p. 433.
- Dolatocrinus subaculeatus* Whiteaves, 1898, p. 369, Pl. 48, figs. 6-6b. Bassler and Moodey, 1943, p. 433.  
 Devonian, Givetian, Sellersburg Limestone; Widder Beds; Dock Street Clay. United States, Indiana, Kentucky, Michigan; Canada, Ontario
- Dolatocrinus caelatus* Miller and Gurley, 1896 = *Dolatocrinus bellarugosus* = *Dolatocrinus liratus*
- Dolatocrinus canadensis* Whiteaves, 1887 = *Dolatocrinus liratus*
- Dolatocrinus canadensis* Wachsmuth and Springer, 1897 = *Clarkeocrinus troosti*
- Dolatocrinus cantabricus* Hauser in Hauser and Landeta, 2007, p. 22, Fig. 4, nos. a-c. Devonian, late Givetian, Portilla formation. Spain, Leon
- Dolatocrinus charlestonensis* Miller and Gurley, 1896 = *Dolatocrinus liratus*
- Dolatocrinus charlestownensis* Miller and Gurley, 1896 = *Dolatocrinus lineolatus* = *Dolatocrinus liratus*
- Dolatocrinus cistula* Miller and Gurley, 1896 = *Dolatocrinus lineolatus* = *Dolatocrinus liratus*
- Dolatocrinus corbuliformis* Rowley, 1903 = *Dolatocrinus venustus* = *Dolatocrinus liratus*



*Dolatocrinus corporosus* Miller and Gurley, 1895 = *Dolatocrinus liratus*

*Dolatocrinus corporosus* var. *concinus* Rowley, 1903 = *Dolatocrinus greenei* =  
*Dolatocrinus liratus*

*Dolatocrinus corporosus* var. *decoratus* Rowley, 1903 = *Dolatocrinus corporosus* =  
*Dolatocrinus liratus*

*Dolatocrinus costatus* Wood, 1904 = *Dolatocrinus stellifer*

*Dolatocrinus currieri* Rowley, 1903 = *Dolatocrinus spinosus*

*Dolatocrinus depressus* Miller, 1898 = *Dolatocrinus liratus*

*Dolatocrinus dilatus* (Rowley, 1906). New Combination

*Stereocrinus? dilatus* Rowley, R. R., 1906a, p. 8, Pl. 3, fig. 5. Bassler and Moodey,  
1943, p. 688.

Devonian, Emsian – Eifelian undesignated, Jeffersonville Limestone. United States,  
Ohio

*Dolatocrinus dispar* Miller and Gurley, 1896 = *Dolatocrinus exornatus* = *Dolatocrinus*  
*liratus*

*Dolatocrinus dissimilaris* Miller and Gurley, 1896 = *Dolatocrinus stellifer*

*Dolatocrinus elegantula* Rowley, R. R., 1903 = *Dolatocrinus liratus*

*Dolatocrinus elegantulus* Rowley, 1903 = *Dolatocrinus nodosus* = *Dolatocrinus liratus*

*Dolatocrinus excavatus* Wachsmuth and Springer, 1897 = *Dolatocrinus grandis*

*Dolatocrinus excavatus* Rowley, 1904 (part) = *Dolatocrinus insuetus*

*Dolatocrinus excavatus* Rowley, 1904 (part) = *Dolatocrinus grandis*

*Dolatocrinus excavatus* var. *incarinatus* Rowley, 1903 = *Dolatocrinus grandis*

*Dolatocrinus exornatus* Miller and Gurley, 1895 = *Dolatocrinus liratus*

*Dolatocrinus exstans* Stringer, 1921, p. 37, Pl. 10, figs. 8-9. Bassler and Moodey,  
1943, p. 434.

Devonian, Emsian – Eifelian undesignated, Jeffersonville Limestone. United States,  
Kentucky

*Dolatocrinus facetus* (Rowley, 1903) = *Gennaeocrinus facetus*

*Dolatocrinus fossatus* Rowley, 1906 = *Dolatocrinus grandis*

*Dolatocrinus fungiferus* Rowley, R. R., 1903c, p. 134, Pl. 39, figs. 1-3. Springer, 1921a, p. 57, Pl. 15, figs. 12-13. Bassler and Moodey, 1943, p. 434. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 114.  
Devonian, Givetian, Sellersburg Limestone. United States, Kentucky

*Dolatocrinus glyptus* (Hall, 1862) = *Dolatocrinus liratus*

*Dolatocrinus glyptus intermedius* (Hall, 1862) = *Dolatocrinus liratus*

*Dolatocrinus glyptus* var. *intermedius* Shumard, 1866 (*non* Hall, 1862) = *Dolatocrinus liratus*

*Dolatocrinus grabau* Kirk, 1946b, p. 267. Webster, 1973, p. 114.  
Devonian, Givetian, Potter Farm Formation. United States, Michigan

*Dolatocrinus grandis* Miller and Gurley, 1894a, p. 14, Pl. 3, figs. 1-3. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 32, Pls. 7, figs. 1-8; 9, fig. 5; 10, fig. 2. Bassler and Moodey, 1943, p. 435. Ubaghs *in* Moore and Teichert, 1978, p. T215, T498, Figs.

184, no. 4; 300, no. 1e. Webster, 1986, p. 132.

*Dolatocrinus excavatus* Wachsmuth and Springer, 1897, p. 321, Pl. 25, fig. 1; 26, figs. 7-8. Miller, S. A., 1897, p. 743. Rowley, R. R., 1904a, p. 134, Pl. 39, fig. 4. Miller, S. A., 1904b, p. 145, Pl. 42, fig. 7. Miller, S. A., 1904c, p. 191, Pl. 57, figs. 16, 18 (*non* fig. 17). Grabau and Shimer, 1910, p. 557. Bassler and Moodey, 1943, p. 435.

*Dolatocrinus excavatus* var. *incarinatus* Rowley, R. R., 1903b, p. 112, Pl. 35, figs. 1-3. Bassler and Moodey, 1943, p. 435.

*Dolatocrinus fossatus* Rowley, R. R., 1906a, p. 7, Pl. 3, figs. 1-3. Bassler and Moodey, 1943, p. 435.

*Dolatocrinus marshi* Miller and Gurley (*non* Lyon), 1894a, p. 11, Pl. 1, fig. 8. Rowley, R. R., 1903f, p. 159, Pl. 47, figs. 7-8. Bassler and Moodey, 1943, p. 435.

*Cacabocrinites sculptus* Troost, 1850a, p. 60. Troost, 1950b, p. 419 (*nomen nudum*). Bassler and Moodey, 1943, p. 435.

*Cacabocrinus sculptus* (Troost, 1850). Bassler, 1938, p. 55.

Devonian, Emsian – Eifelian undesignated, Jeffersonville Limestone. United States, Kentucky, New York, Ohio

*Dolatocrinus greenei* Miller and Gurley, 1894 = *Dolatocrinus liratus*

*Dolatocrinus harberti* (Stainbrook, 1937). New Combination

*Stereocrinus harberti* Stainbrook, 1937, p. 902, Pl. 1, figs. 1-2, 8. Bassler and Moodey, 1943, p. 688.

Devonian, Givetian, Cedar Valley Limestone. United States, Iowa

*Dolatocrinus hammelli* Miller and Gurley, 1895 = *Dolatocrinus stellifer*

*Dolatocrinus helderbergensis* (Springer, 1921). Webster, 1973, p. 114. Clement and Broadhead, 1994, p. 47.

*Stereocrinus helderbergensis* Springer, 1921a, p. 15, Pl. 5, figs. 3-4. Bassler and Moodey, 1943, p. 688. Moore and Laudon, 1944, p. 201. Webster, 1973, p. 114.

Devonian, Lochkovian, Ross Formation, Birdsong Shale Member. United States, Tennessee

*Dolatocrinus icosidactylus* Wachsmuth and Springer, 1897 = *Dolatocrinus lineolatus* = *D. liratus*

*Dolatocrinus incisus* Springer, 1921a, p. 49, Pl. 12, figs. 8-13. Bassler and Moodey, 1943, p. 435. Kirk, 1946b, p. 267. Webster, 1973, p. 114.

Devonian, Givetian, Traverse Group, Alpena Limestone, ?Dock Street Clay. United States, Michigan

*Dolatocrinus indianensis* Miller and Gurley, 1896 = *Dolatocrinus liratus*

*Dolatocrinus insignis* Goldring, 1923, p. 174, Pl. 19, figs. 3-6; Fig. 39. Bassler and Moodey, 1943, p. 435.

Devonian, Givetian, Moscow Shale. United States, New York

*Dolatocrinus insuetus* Rowley, R. R., 1906a, p. 8, Pl. 3, fig. 4. Springer, 1921a, p. 36, Pl. 8, fig. 6. Bassler and Moodey, 1943, p. 435.

*Dolatocrinus excavatus* Rowley, R. R., 1904c, p. 191, Pl. 57, fig. 17 (*non* figs. 16, 18). Bassler and Moodey, 1943, p. 435.

Devonian, Givetian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus kutasii* Kesling, 1971b, p. 201, Pls. 1-5; Fig. 1. Webster, 1977, p. 73.

Devonian, Givetian, Bell Shale. United States, Michigan.

\**Dolatocrinus lacus* Lyon, 1857, p. 482, Pl. 4, figs. 2a-2c. Shumard, 1868, p. 367.

Miller, S. A., 1889, p. 240, Figs. 286-288. Miller and Gurley, 1894a, p. 9, Pl. 1, figs. 6-7. Wachsmuth and Springer, 1897, p. 311, Pl. 26, figs. 6a-6c. Springer, 1921a, p. 28, Pl. 5, figs. 6-7. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 436. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 20. Webster, 1973, p. 114. Ubaghs *in* Moore and Teichert, 1978, p. T498, Fig. 300, nos. 1a-1c. Webster, 1986, p. 132. Ausich, 1996b, p. 248, Fig. 17-6, nos. 10-11.

*Dolatocrinus approximatus* Miller and Gurley, 1894a, p. 25, Pl. 3, figs. 4-6. Miller, S. A., 1897, p. 742. Bassler and Moodey, 1943, p. 436.

Devonian, Emsian, Jeffersonville Limestone, Columbus Limestone. United States, Kentucky, Ohio

*Dolatocrinus laguncula* Miller and Gurley, 1894 = *Dolatocrinus stellifer*

*Dolatocrinus lamellosus* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Springer, 1921a, p. 36. Goldring, 1923, p. 164, Pl. 19, figs. 1-2. Bassler and Moodey, 1943, p. 436.

*Cacabocrinus lamellosus* Hall, 1862a, p. 113. Hall, 1862b, p. 141. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 436.  
Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus lineolatus* Miller and Gurley, 1894 = *Dolatocrinus liratus*

*Dolatocrinus liratus* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Wachsmuth and Springer, 1897, p. 319, Pl. 26, fig. 3. Grabau and Shimer, 1910, p. 557. Springer, 1921a, p. 41, Pl. 10, figs. 10-11. Goldring, 1923, p. 158, Pls. 17, figs. 1-13; 18, figs. 1-3. Bassler and Moodey, 1943, p. 436. Whitcomb, 1963, p. 39, Fig. 1. Kesling and Mintz, 1963a, p. 81, Pl. 1, figs. 17-22; 2, figs. 1-13; 3, figs. 1-16. Kesling and Mintz, 1963b, p. 233, Pl. 1, figs. 13-15; 2, figs. 16-17. Webster, 1973, p. 115. Hauser in Hauser and Landeta, 2007, p. 24, Figs. 6, nos. a-c; 7.

*Cacabocrinus liratus* Hall, 1862a, p. 111. Hall, 1862b, p. 139. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 436.

*Cacabocrinus liratus* var. *multilira* Hall, 1862a, p. 111. Hall, 1862b, p. 139. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 436.

*Dolatocrinus liratus* var. *multilira* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240.

*Dolatocrinus arrosus* Miller and Gurley, 1896b, p. 52, Pl. 3, figs. 22-24. Miller, S. A., 1897, p. 742. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.

*Dolatocrinus arrosus* var. *cognatus* Rowley, R. R., 1903c, p. 137, Pl. 39, figs. 12-14. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.

*Dolatocrinus asper* Miller and Gurley, 1896b, p. 47, Pl. 3, figs. 10-12. Miller, S. A., 1897, p. 742, Fig. 1333. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.

*Dolatocrinus asperatus* (Miller and Gurley, 1894). Springer, 1921a, p. 41, Pl. 6, figs. 5-12. Bassler and Moodey, 1943, p. 432-433. Kesling and Mintz, 1963a, p. 85. Webster, 1973, p. 115.

*Dolatocrinus aureatus* Miller and Gurley, 1894a, p. 24, Pl. 3, figs. 1-2. Miller, S. A., 1897, p. 742. Bassler and Moodey, 1943, p. 438. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.

*Dolatocrinus basilicus* Miller and Gurley, 1896b, p. 43, Pl. 3, figs. 1-3. Miller, S. A., 1897, p. 742, Fig. 1335. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.

*Dolatocrinus bellarugosus* Miller and Gurley, 1896a, p. 43, Pl. 3, figs. 7-9. Miller, S. A., 1897, p. 742. Springer, 1921a, p. 50, Pls. 13, figs. 6-10; 15, fig. 8 (listed as *D. venustus*, by error). Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 919, Fig. 2. Webster, 1973, p. 115.

*Dolatocrinus bellulus* Miller and Gurley, 1895a, p. 57, Pl. 5, figs. 16-18. Miller, S. A., 1897, p. 742. Springer, 1921a, p. 56, Pls. 15, figs. 1-6; 16, figs. 4-7, (?9).

- Bassler and Moodey, 1943, p. 433. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 21. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus caelatus* Miller and Gurley, 1896a, p. 46, Pl. 3, figs. 13-15. Miller, S. A., 1889, p. 240. Rowley, R. R., 1903f, p. 165, Pl. 48, figs. 10-12. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus canadensis* Whiteaves, 1887 (adv. pub.). Whiteaves, 1889, p. 99, Pl. 12, figs. 3-3a. Miller, S. A., 1897, p. 742. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus charlestownensis* Miller and Gurley, 1896a, p. 44, Pl. 3, figs. 10-12. Miller, S. A., 1897, p. 742, Fig. 1336. Rowley, R. R., 1903e, p. 153, Pl. 45, figs. 7-9. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus charlestonensis* Miller and Gurley, 1896. Lane, N. G., 1963b, p. 920, Fig. 2.
- Dolatocrinus cystula* Miller and Gurley, 1896, p. 46b, Pl. 3, figs. 7-9. Miller, S. A., 1897, p. 742. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus corbuliformis* Rowley, R. R., 1903e, p. 151, Pl. 44, figs. 13-15. Bassler and Moodey, 1943, p. 439. Kesling and Mintz, 1963a, p. 85. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus corporosus* Miller and Gurley, 1895a, p. 50, Pl. 5, figs. 1-3. Miller, S. A., 1897, p. 748, Figs. 1337, 1338. Springer, 1921a, p. 54, Pls. 14, figs. 1-2; 16, figs. 1-2. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus corporosus* var. *concinus* Rowley, R. R., 1903e, p. 148, Pl. 44, figs. 4-6. Bassler and Moodey, 1943, p. 435. Kesling and Mintz, 1963a, p. 85. Webster, 1973, p. 115.
- Dolatocrinus corporosus* var. *decoratus* Rowley, R. R., 1903e, p. 149, Pl. 44, figs. 7-9. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 85. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus depressus* Miller, S. A., 1898, p. 6, Pl. 2, figs. 4-6. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus dispar* Miller and Gurley, 1896b, p. 40, Pl. 2, figs. 27-29. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus elegantulus* Rowley, R. R., 1903e, p. 150, Pl. 44, figs. 10-12. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 85. Webster, 1973, p. 115.
- Dolatocrinus elegantula* Rowley, R. R., 1903. Lane, N. G., 1963b, p. 920, Fig. 2.
- Dolatocrinus exornatus* Miller and Gurley, 1895a, p. 54, Pl. 5, figs. 10-12. Miller, S. A., 1897, p. 743, Fig. 1340. Springer, 1921a, p. 51, Pl. 13, figs. 11-12. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus greenei* Miller and Gurley, 1894a, p. 28, Pl. 3, figs. 10-12. Miller, S. A., 1897, p. 743. Rowley, R. R., 1903f, p. 158, Pl. 47, figs. 4-6, 25. Springer, 1921a, p. 55, Pls. 14, figs. 7-9; 16, fig. 3. Bassler and Moodey, 1943, p. 435.

- Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus icosidactylus* Wachsmuth and Springer, 1897, p. 319, Pl. 26, figs. 5a-5d. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus indianensis* Miller and Gurley, 1896a, p. 40, Pl. 3, figs. 1-3. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 54, Pl. 14, figs. 3-6. Bassler and Moodey, 1943, p. 435. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 115.
- Dolatocrinus lineolatus* Miller and Gurley, 1894a, p. 27, Pl. 3, figs. 7-9. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 55, Pls. 13, figs. 13-18; 14, figs. 10-11; 15, fig. 7; 16, fig. 8. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- ?*Dolatocrinus liratus* var. *parvulus* Goldring, 1923, p. 164, Pl. 17, fig. 14. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Dolatocrinus lyoni* Miller and Gurley, 1896b (*non* Wachsmuth and Springer, 1897), p. 44, Pl. 3, figs. 4-6. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 439. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 17. Cuénot, 1948, p. 52, Fig. 64. Kesling and Mintz, 1963a, p. 81. Yakovlev, 1964b, p. 65, Fig. 89. Webster, 1973, p. 115.
- Dolatocrinus magnificus* Miller and Gurley, 1894a, p. 5, Pl. 1, figs. 1-3. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 54. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, Fig. 1 (as *D. magnificus* group). Webster, 1973, p. 115.
- Dolatocrinus marshi* var. *hamiltonensis* Wachsmuth and Springer, 1897, p. 314, Pl. 25, figs. 2a-2b. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 84.
- Dolatocrinus marshi* var. *hamiltonensis* Wachsmuth and Springer, 1897. Webster, 1973, p. 116.
- Dolatocrinus multinodosus* Rowley, R. R., 1903e, p. 147, Pl. 44, figs. 1-3. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 116.
- Dolatocrinus nodosus* Miller and Gurley, 1895b, p. 56, Pl. 3, figs. 1-3. Miller, S. A., 1897, p. 743. Rowley, R. R., 1903f, p. 163, Pl. 48, figs. 1-3. Springer, 1921a, p. 56, Pl. 15, figs. 9-11. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus noduliferus* Rowley, R. R., 1903e, p. 140, Pl. 41, figs. 1-3. Bassler and Moodey, 1943, p. 433. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 116.
- Dolatocrinus ornatus* Meek, 1871a, p. 57. Miller and Gurley, 1894, p. 18, Pl. 2, figs. 7-9. Miller, S. A., 1889, p. 240. Springer, 1921a, p. 29, Pl. 6, figs. 1-4. Goldring, 1923, p. 170, Pl. 18, figs. 13-14. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus ornatus* var. *asperatus* Miller and Gurley, 1894a, p. 16, Pl. 2, figs. 4-6. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.

- Dolatocrinus preciosus* Miller and Gurley, 1896b, p. 41, Pl. 2, figs. 30-32. Miller, S. A., 1897, p. 743. Rowley, R. R., 1903e, p. 152, Pl. 45, figs. 1-6. Bassler and Moodey, 1943, p. 435. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 116.
- Dolatocrinus sacculus* Miller and Gurley, 1895b, p. 58, Pl. 3, figs. 11-12. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus salebrosus* Miller and Gurley, 1895b, p. 59, Pl. 3, figs. 13-15. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 436. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus springeri* Rowley, R. R., 1903c, p. 136, Pl. 39, figs. 9-10. Bassler and Moodey, 1943, p. 436, 688. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus tuberculatus* Wachsmuth and Springer, 1897. Butts, C., 1914-1915, p. 127, Pl. 46, fig. 1
- Dolatocrinus tuberculosus* Wachsmuth and Springer, 1897, p. 324, Pl. 25, fig. 3. Bassler and Moodey, 1943, p. 437. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus venustus* Miller and Gurley, 1894a, p. 23, Pl. 2, figs. 16-18. Miller, S. A., 1897, p. 744. Rowley, R. R., 1903f, p. 160, Pl. 47, figs. 9-10. Springer, 1921a, p. 50, Pl. 13, figs. 1-5. Bassler and Moodey, 1943, p. 438. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 918, Fig. 1 (as *D. venustus* group). Webster, 1973, p. 116.
- Dolatocrinus welleri* Rowley, R. R., 1903d, p. 143, Pl. 41, fig. 14. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 116.
- Cacabocrinus glyptus* Hall, 1862a, p. 112. Hall, 1862b, p. 140. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus glyptus* (Hall, 1862). Shumard, 1866, p. 367. Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Wachsmuth and Springer, 1897, p. 317, Pl. 26, figs. 2a-2b. Grabau and Shimer, 1910, p. 557, Fig. 1890. Springer, 1921a, p. 41. Goldring, 1923, p. 155, Pl. 18, figs. 4-7. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Cacabocrinus glyptus* var. *intermedius* Hall, 1862a, p. 113. Hall, 1862b, p. 141. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 435. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 116.
- Dolatocrinus glyptus intermedius* (Hall, 1862). Bassler and Moodey, 1943, p. 435.
- Dolatocrinus glyptus* var. *intermedius* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Goldring, 1923, p. 167, Pl. 18, fig. 8. Kesling and Mintz, 1963a, p. 84. Webster, 1973, p. 115.
- Devonian, Givetian, Moscow Shale, Tully Limestone, Westbrook Member; Alpena Limestone; Tichenor Limestone; Columbus Limestone; Jeffersonville Limestone; Ludlowville Shale, Sellersburg Limestone. United States, New York, Kentucky, Ohio, Indiana, Michigan  
Devonian, Givetian, Widder Beds. Canada, Ontario

*Dolatocrinus liratus* var. *multilira* (Hall, 1862) = *Dolatocrinus liratus*

*Dolatocrinus liratus* var. *parvulus* Goldring, 1923 = *Dolatocrinus liratus*

*Dolatocrinus littletonensis* (Thomas, 1924). New Combination

*Stereocrinus littletonensis* Thomas, A. O., 1924, p. 444, Pl. 38, figs. 4-5; Fig. 68.

Bassler and Moodey, 1943, p. 688.

Devonian, Givetian, Cedar Valley Limestone. United States, Iowa

*Dolatocrinus lobatus* Goldring, 1923, p. 176, Pl. 20, figs. 3-6. Bassler and Moodey, 1943, p. 436.

Devonian, Emsian, Onondaga Limestone. United States, New York

*Dolatocrinus lyoni* Miller and Gurley, 1896 = *Dolatocrinus venustus* = *Dolatocrinus liratus*

*Dolatocrinus lyoni* Wachsmuth and Springer, 1897 = *Dolatocrinus amplus* = *Dolatocrinus stellifer*

*Dolatocrinus magnificus* Miller and Gurley, 1894 = *Dolatocrinus liratus*

*Dolatocrinus major* Wachsmuth and Springer, 1897, p. 322, Pl. 25, fig. 5. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 36, Pl. 9, figs. 1-2. Bassler and Moodey, 1943, p. 437.

Devonian, Emsian, Jeffersonville Limestone, Columbus Limestone. United States, Kentucky, Ohio

*Dolatocrinus marshi* Lyon, 1869, p. 461, Pl. 27, figs. n-n-2. Miller, S. A., 1889, p. 240. Wachsmuth and Springer, 1897, p. 312, Pl. 26, figs. 1a-1d. Springer, 1921a, p. 31, Pl. 5, fig. 14. Bassler and Moodey, 1943, p. 437. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 15. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 22. Webster, 1973, p. 116.

Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus marshi* Miller and Gurley, 1894, (*non* Lyon, 1869) = *Dolatocrinus grandis*

*Dolatocrinus marshi glaber* Goldring, 1923, p. 173, Pl. 20, figs. 1-2. Bassler and Moodey, 1943, p. 437.

Devonian, Emsian, Onondaga Limestone. United States, New York

*Dolatocrinus marshi* var. *hamiltonensis* Wachsmuth and Springer, 1897 = *Dolatocrinus marshi* var. *hamiltonensis* = *Dolatocrinus liratus*

*Dolatocrinus marshi* var. *hamiltonensis* Wachsmuth and Springer, 1897 = *Dolatocrinus asperatus* = *D. liratus*

*Dolatocrinus michiganensis* Kesling and Mintz, 1963a, p. 89, Pl. 4, figs. 4-10. Webster, 1973, p. 116.



Devonian, Givetian, Dock Street Clay. United States, Michigan

*Dolatocrinus montgomeryensis* (Worthen, 1884) = *Azygocrinus montgomeryensis* =  
*Dizygocrinus montgomeryensis*

*Dolatocrinus moori* (Branson and Wilson, 1922). New Combination  
*Stereocrinus moori* Branson and Wilson, 1922, p. 62, Pls. 6, figs. 5-6; 8, fig. 8.  
Bassler and Moodey, 1943, p. 688.  
Devonian, Givetian, Mineola Limestone. United States, Missouri

*Dolatocrinus multibrachiatus* Rowley, R. R., 1903d, p. 141, Pl. 41, fig. 7. Springer,  
1921a, p. 38, Pl. 9, figs. 3-4. Bassler and Moodey, 1943, p. 437.  
Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus multinodosus* Rowley, 1903 = *Dolatocrinus nodosus* = *Dolatocrinus liratus*

*Dolatocrinus neglectus* Miller and Gurley, 1897 = *Dolatocrinus stellifer*

*Dolatocrinus nodosus* Miller and Gurley, 1896 = *Dolatocrinus liratus*

*Dolatocrinus noduliferus* Rowley, 1903 = *Dolatocrinus bellus* = *Dolatocrinus liratus*

*Dolatocrinus ornatus* Meek, 1871 = *Dolatocrinus liratus*

*Dolatocrinus ornatus* var. *asperatus* Miller and Gurley, 1894 = *Dolatocrinus asperatus* =  
*D. liratus*

*Dolatocrinus peculiaris* Miller and Gurley, 1896 = *Dolatocrinus amplus* = *Dolatocrinus*  
*stellifer*

*Dolatocrinus peregrinus* Jell *et al.*, 1988, p. 387, Figs. 22-23. Webster, 1993, p. 53.  
Devonian, Givetian, Papilio Formation. Australia, Queensland

*Dolatocrinus pernodosus* Rowley, 1903 = *Dolatocrinus amplus* = *Dolatocrinus stellifer*

*Dolatocrinus preciosus* Miller and Gurley, 1896 = *Dolatocrinus indianensis* =  
*Dolatocrinus liratus*

*Dolatocrinus pulchellus* Miller and Gurley, 1895 = *Dolatocrinus bulbaceus*

*Dolatocrinus pyramidatus* Springer, 1921a, p. 29, Pl. 5, figs. 8-11. Bassler and  
Moodey, 1943, p. 437.  
Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus rotundus* Springer, 1921a, p. 30, Pl. 5, figs. 12-13. Bassler and Moodey,  
1943, p. 438.  
Devonian, Emsian, Jeffersonville Limestone. United States, Kentucky

*Dolatocrinus sacculus* Miller and Gurley, 1895 = *Dolatocrinus lineolatus* = *Dolatocrinus liratus*

*Dolatocrinus salebrosus* Miller and Gurley, 1895 = *Dolatocrinus lineolatus* = *Dolatocrinus liratus*

*Dolatocrinus speciosus* (Hall, 1862). Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Wachsmuth and Springer, 1897, p. 323, Pl. 25, figs. 4a-4b. Springer, 1921a, p. 30. Goldring, 1923, p. 168, Pl. 18, figs. 9-12. Bassler and Moodey, 1943, p. 438. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 14. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 16. Webster, 1973, p. 117.

*Cacabocrinus speciosus* Hall, 1862 a, p. 109. Hall, 1862b, p. 137. Shumard, 1868, p. 367. Bassler and Moodey, 1943, p. 438.  
Devonian, Emsian. United States, New York

*Dolatocrinus spinosus* Miller and Gurley, 1894a, p. 8, Pl. 1, figs. 4-5. Miller, S. A., 1897, p. 743. Rowley, R. R., 1903f, p. 164, Pl. 48, fig. 4. Springer, 1921a, p. 34, Pls. 8, figs. 1-7; 10, fig. 1. Bassler and Moodey, 1943, p. 438. Ubaghs, 1953, p. 742, Fig. 91. Webster, 1973, p. 117.

*Dolatocrinus currieri* Rowley, R. R., 1903d, p. 143, Pl. 42, figs. 1-6.  
Devonian, Givetian, Sellersburg Limestone, Jeffersonville Limestone. United States, Indiana, Kentucky

*Dolatocrinus springeri* Rowley, 1903 = *Dolatocrinus lineolatus* = *Dolatocrinus liratus*

*Dolatocrinus springeri* Goldring, 1936 (*non* Rowley, 1903) = *Dolatocrinus bethaniensis*

*Dolatocrinus springeri* (Branson and Wilson, 1922) (*non* Rowley, 1903; *non* Goldring, 1936). Webster, 1973, p. 117.

*Stereocrinus springeri* Branson and Wilson, 1922, (*non* Rowley, 1903), p. 63, Pl. 7, figs. 1-3. Bassler and Moodey, 1943, p. 688. Branson, E. B., 1944, p. 130, Pl. 21, figs. 1-3.

Devonian, Givetian (Erian), Mineola Limestone. United States, Missouri

*Dolatocrinus stellifer* Miller and Gurley, 1894a, p. 20, Pl. 2, figs. 10-12. Miller, S. A., 1897, p. 743. Springer, 1921a, p. 44, Pl. 11, figs. 6-8. Bassler and Moodey, 1943, p. 438. Kesling and Mintz, 1963a, p. 81, Pls. 1, figs. 5-14; 2, figs. 14-18; 4, figs. 11-20; 5, figs. 1-12; 6, figs. 13-24; 7, figs. 4-6. Kesling and Mintz, 1963b, p. 233, Pl. 1, figs. 10-12. Lane, N. G., 1963b, p. 918, Fig. 1. Webster, 1973, p. 117.

*Dolatocrinus amplus* Miller and Gurley, 1894b, p. 45, Pl. 4, figs. 6-8. Miller, S. A., 1897, p. 742. Rowley, R. R., 1903e, p. 154, Pl. 45, figs. 10-12. Springer, 1921a, p. 47, Pls. 11, figs. 11-17; 12, figs. 14-15. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 81. Lane, N. G., 1963b, p. 918, Figs. 1-2. Webster, 1973, p. 117.

*Dolatocrinus aplatatus* Miller and Gurley, 1896a, p. 48, Pl. 3, figs. 16-18. Miller and Gurley, 1896b, p. 49, Pl. 3, figs. 13-15. Miller, S. A., 1897, p. 742. Rowley, R. R., 1903c, p. 136, Pl. 39, figs. 6-8. Bassler and Moodey, 1943, p. 438. Lane, N. G.,

- 1963b, p. 920, Fig. 2.
- Dolatocrinus costatus* Wood, E., 1904, p. 70, Pl. 16, figs. 6-6a. Springer, 1921a, p. 48, Pl. 12, figs. 1-3. Bassler and Moodey, 1943, p. 434. Kesling and Mintz, 1963a, p. 81. Webster, 1973, p. 117.
- Dolatocrinus dissimilaris* Miller and Gurley, 1896b, p. 54, Pl. 3, figs. 25-27. Miller, S. A., 1897, p. 743, Fig. 1339. Bassler and Moodey, 1943, p. 438. Lane, N. G., 1963b, p. 920, Fig. 2.
- Dolatocrinus hammelli* Miller and Gurley, 1895a, p. 52, Pl. 5, figs. 4-6. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 438.
- Dolatocrinus laguncula* Miller and Gurley, 1896b, p. 51, Pl. 3, figs. 19-21. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 438.
- Dolatocrinus lyoni* Wachsmuth and Springer, 1897 (non Miller and Gurley, 1896), 1896, p. 314, Pl. 30, figs. 6a-6d. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 432.
- Dolatocrinus neglectus* Miller and Gurley, 1897, p. 37, Pl. 2, figs. 27-29. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 438.
- Dolatocrinus peculiaris* Miller and Gurley, 1896b, p. 55, Pl. 3, figs. 28-30. Miller, S. A., 1897, p. 743. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 81. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 117.
- Dolatocrinus pernodosus* Rowley, R. R., 1903b, p. 113, Pl. 35, figs. 4-6. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 81. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 117.
- Dolatocrinus vasculum* Miller and Gurley, 1895a, p. 53, Pl. 5, figs. 7-9. Miller, S. A., 1897, p. 743, Figs. 1341-1342. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 81. Lane, N. G., 1963b, p. 920, Fig. 2. Webster, 1973, p. 117.
- Dolatocrinus wachsmuthi* Wood, E., 1904, p. 77. Bassler and Moodey, 1943, p. 432. Kesling and Mintz, 1963a, p. 81. Webster, 1973, p. 117.
- Devonian, Givetian, Alpena Limestone, Norway Point Limestone; Sellersburg Limestone. United States, Kentucky, Indiana, Michigan

*Dolatocrinus subaculeatus* Whiteaves, 1898 = *Dolatocrinus bulbaceus*

*Dolatocrinus tridactylus* Barris, 1885 = *Dolatocrinus triangulatus*

- Dolatocrinus triangulatus* (Barris, 1878). Kesling and Mintz, 1963b, p. 231, Pls. 1, figs. 1-9; 2, figs. 1-6, 9-10. Webster, 1973, p. 117.
- Stereocrinus triangulatus* Barris, 1878, p. 283, Pl. 11, figs. 1-2. Miller, S. A., 1889, p. 283. Wachsmuth and Springer, 1897, p. 325, Pl. 25, figs. 8a-8b. Thomas, A. O., 1924, p. 442, Pl. 38, figs. 1-3. Bassler, 1938, p. 175. Bassler and Moodey, 1943, p. 688. Moore and Laudon, 1944, p. 201, Pl. 74, fig. 23. Kesling and Mintz, 1963b, p. 231. Strimple, 1970, p. 254. Webster, 1973, p. 117. Webster, 1977, p. 160.
- Stereocrinus triangulatus* var. *liratus* Barris, 1878, p. 284, Pl. 11, fig. 3. Miller, S. A., 1889, p. 283. Bassler and Moodey, 1943, p. 688. Kesling and Mintz, 1963b, p. 231. Webster, 1973, p. 117.
- Dolatocrinus tridactylus* Barris, 1885 (adv. pub.). Miller, S. A., 1889, p. 240. Barris, 1896, p. 100, Pl. 2, figs. 5-7. Wachsmuth and Springer, 1897, p. 316, Pl. 26,

figs. 4a-4d. Grabau and Shimer, 1910, p. 557. Springer, 1921a, p. 46, Pl. 11, figs. 9-10. Bassler and Moodey, 1943, p. 438. Kesling and Mintz, 1963a, p. 88, Pls. 1, figs. 15-16; 4, figs. 1-3. Lane, N. G., 1963b, p. 918, Fig. 1. Strimple, 1970, p. 254. Webster, 1973, p. 117. Webster, 1977, p. 74. Haugh, 1978, p. 160, Figs. 16, no. B; 17, no. B. Webster, 1986, p. 132.

Devonian, Givetian, upper part of Davenport Beds, *Strobilocystites* Zone; Thunder Bay Limestone, Dock Street Clay; Sellersburg Limestone; Cedar Valley Formation; Widder Beds. United States, Michigan, Ohio, Iowa; Canada, Ontario

*Dolatocrinus troosti* (Hall, 1862) = *Clarkeocrinus troosti*

*Dolatocrinus tuberculatus* Butts, 1914-1915 = *Dolatocrinus liratus*

*Dolatocrinus tuberculosus* Wachsmuth and Springer, 1897 = *Dolatocrinus nodosus* = *Dolatocrinus liratus*

*Dolatocrinus vasculum* Miller and Gurley, 1895 = *Dolatocrinus amplus* = *Dolatocrinus stellifer*

*Dolatocrinus vandiveri* (Branson and Wilson, 1922). Webster, 1973, p. 118.

*Stereocrinus vandiveri* Branson and Wilson, 1922, p. 63, Pl. 7, figs. 6-8. Bassler and Moodey, 1943, p. 688. Branson, E. B., 1944, p. 130, Pl. 21, figs. 7-8. Webster, 1973, p. 118.

Devonian, Givetian, Mineola Limestone. United States, Missouri

*Dolatocrinus venustus* Miller and Gurley, 1894 = *Dolatocrinus liratus*

*Dolatocrinus wachsmuthi* Wood, 1904 = *Dolatocrinus amplus* = *Dolatocrinus stellifer*

*Dolatocrinus welleri* Rowley, 1903 = *Dolatocrinus corporosus* = *D. liratus*

*Dolatocrinus?* sp. no. 1. Fraunfelter, 1974, p. 15, Pl. 2, fig. 9. Webster, 1986, p. 132.

Devonian, Givetian, Lingle Limestone. United States, Illinois

*Dolatocrinus* spp.

Butts, E., 1914-1915, p. 129, Pl. 46, fig. 2.

Devonian, Hamiltonian, Beechwood Limestone Member. United States, Kentucky

Goldring, 1929, p. 115, Fig. 28, no. B.

Middle Devonian. United States, New York

Ubaghs, 1953, p. 742, Fig. 92. Webster, 1973, p. 118.

Middle Devonian. United States, Kentucky

La Rocque and Marple, 1955, p. 94, Fig. 233. Webster, 1973, p. 118.

Devonian. United States, Ohio

Kesling and Mintz, 1963b, p. 234, Pl. 2, figs. 18-19. Webster, 1973, p. 118.

Devonian, Givetian, ?Alpena Limestone. United States, Michigan

Ubaghs *in* Moore and Teichert, 1978, p. T498, Fig. 300, no. 1d.

No age given

Buehler, 1983, p. 30, Fig. 3. Webster, 1988, p. 79.

Devonian, Givetian, Four Mile Dam Formation, Dock Street Clay Member. United States, Michigan

Boucot, 1990, p. 36, Fig. 29, nos. A-B.

Devonian, Givetian, Thunder Bay Limestone; Dock Street Clay. United States, Michigan

*DOLEROCRINUS* Prick, 1983 = ***EOHALYSIOCRINUS***

*Dolerocrinus fritschi* Prick, 1983 = *Eohalysiocrinus fritschi*

***DOLIOCRINUS*** Warn, 1982. \**D. pustulatus* Warn, 1982.

Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae

Warn, 1982, p. 85. Guensburg, 1984, p. 42. Sevastopulo and Lane, 1988, p. 246.

Webster, 1988, p. 79. Webster, 1993, p. 53. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Sandbian species

Ordovician, Sandbian (Champlainian). United States, Oklahoma, Tennessee

*Doliocrinus monilicaulis* Guensburg, 1984, p. 42, Pl. 7, figs. 8-9; Fig. 6. Webster, 1988, p. 79.

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

\**Doliocrinus pustulatus* Warn, 1982, p. 85, Pl. 4, figs. 1-12; Figs. 23-24. Webster, 1988, p. 79.

Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Formation. United States, Oklahoma

*DOLIOCRINITES* Shumard, 1866 = ***TALAROCRINUS***

*DOLIOLOCRINITES* Troost *in* Hall, 1858 = *TALAROCRINUS*

*Doliolocrinites ovalis* Troost, 1858 = *Talarocrinus simplex* = *Dichocrinus simplex*

*DOLIOLOCRINUS* Wachsmuth and Springer, 1881 = ***TALAROCRINUS***

"Domed ridge plates" Sprinkle, 1971, p. D90, Fig. 1, nos. 20-23 (possible tegmen plates). Webster, 1977, p. 180.

Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

*DONACICRINITES* Troost, 1850 = ***SYNBATHOCRINUS***

*Donacicrinites bipartitus* Troost, 1909 = *Erisocrinus? bipartitus*

*Donacricrinites simplex* Troost, 1850 = *Synbathocrinus robustus* = *Synbathocrinus swallovi*

**DONACICRINUS** Bather, 1900 = **SYNBATHOCRINUS**

Dorsal cup of a crinoid head Scheffe, 1968, p. 102, Pl. 1. Webster, 1977, p. 180 (poteriocrinid).

Pennsylvanian, Desmoinesian, Carbondale Formation. United States, Illinois

**DORYCRINUS** Roemer, 1854. \**D. mississippiensis* Roemer, 1854.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Coelocrinidae

Roemer, C. F. in Bronn and Roemer, 1851, p. 247 (*nomen nudum*). Roemer, C. F., 1854, p. 207. Pictet, 1857, p. 325. Dujardin and Hupé, 1862, p. 142. Meek and Worthen, 1873, p. 379. Zittel, 1880, p. 344, 370. Wachsmuth and Springer, 1881, p. 176 (350). Wachsmuth and Springer, 1886, p. 105 (327). Miller, S. A., 1889, p. 240. Zittel, 1895, p. 130. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 454. Bather in Lankester, 1900, p. 167. Wachsmuth in Zittel, 1900, p. 143, Fig. 243, no. B. Grabau and Shimer, 1910, p. 531. Springer, 1911c,

p. 120. Springer in Zittel, 1913, p. 196. Schmidt, H., 1929, p. 83. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 439. Moore and Laudon, 1943b, p. 93, Fig. 16. Moore and Laudon, 1944, p. 195, Pl. 71, Fig. 9. Ubaghs, 1953, p. 740. Webster, 1973, p. 118. Webster, 1977, p. 74. Lane in Moore and Teichert, 1978, p. T471. Webster, 1986, p. 132. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 79. Webster, 1993, p. 53. Hauser, 2001, p. 67, Fig. 51. Hauser, 2004b, p. 13, Fig. 5.

Named, currently recognized species based on cups or crowns: 17 Mississippian species, 1 Tournaisian, 2 Tournaisian - Viséan, 14 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian). United States

*Dorycrinus alabamensis* Miller and Gurley, 1896c, p. 15, Pl. 3, figs. 15-17. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Alabama

*Dorycrinus amoenus* Miller, 1891 = *Aorocrinus parvus*

*Dorycrinus canaliculatus* Meek and Worthen, 1870 = *Aorocrinus canaliculatus*

*Dorycrinus chouteauensis* (Miller, 1892) = *Actinocrinites chouteauensis* = *Aacocrinus chouteauensis*

*Dorycrinus concavus* Meek and Worthen, 1861 = *Coelocrinus concavus*

*Dorycrinus confragosus* Miller, 1891 = *Eretmocrinus leucosia*

- Dorycrinus cornigerus* (Hall, 1858). Meek and Worthen, 1868b, p. 345. Miller, S. A., 1889, p. 240. Wachsmuth and Springer, 1897, p. 458, Pls. 42, figs. 5-6; 43, fig. 5; 44, figs. 6-7. Weller, S., 1898c, p. 237. Grabau and Shimer, 1910, p. 532, Fig. 1859. Schmidt, H., 1929, p. 83, Pl. 20, fig. 15. Bassler and Moodey, 1943, p. 439. Good, 1968, Pl. 1, fig. 2. Priest, 1972, p. 85, Fig. 7, p. 87. Laudon, 1972b, p. 26, Fig. 2. Webster, 1977, p. 74.
- Actinocrinus cornigerus* Hall, 1858c, p. 576, Pl. 9, figs. 12a-12c. Hall, 1860, Pl. 3, fig. 4. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439.
- Actinocrinus (Dorycrinus) cornigerus* Hall, 1858. Roemer, C. F., 1876, Pl. 40, fig. 6. Frech, 1902, Pl. 40, fig. 6.
- Actinocrinus decornis* Hall, 1859a, p. 13, Unnum. Fig. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439.
- Actinocrinus divaricatus* Hall, 1859a, p. 11, Unnum. Fig. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Illinois
- Dorycrinus devonicus* Springer, 1911 = *Thamnocrinus devonicus* = *Stamnocrinus devonicus*
- Dorycrinus elegans* Miller, 1892 = *Aorocrinus elegans*
- Dorycrinus faberi* Miller and Gurley, 1896c, p. 19, Pl. 1, figs. 8-10. Miller, S. A., 1897, p. 744, Fig. 1345. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Dorycrinus gouldi* (Hall, 1858). Meek and Worthen, 1868b, p. 345. Miller, S. A., 1889, p. 240. Keyes, 1894a, p. 173, Pl. 23, fig. 1. Wachsmuth and Springer, 1897, p. 456, Pls. 43, figs. 2-3; 44, figs. 4-5. Weller, S., 1898c, p. 237. Grabau and Shimer, 1910, p. 532, Fig. 1860. Bassler and Moodey, 1943, p. 439. Ausich and Kammer, 1991b, p. 941, Figs. 1.24-1.25.
- Actinocrinus gouldi* Hall, 1858c, p. 613, Pl. 15, figs. 6a-6b; Fig. 94. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 439. Ausich and Kammer, 1991b, p. 941.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian), Keokuk Limestone, Edwardsville Formation, Harrodsburg limestone, Fort Payne Formation. United States, Illinois, Iowa, Missouri, Indiana, Tennessee, Kentucky
- Dorycrinus greeni* Miller and Gurley, 1894b, p. 48, Pl. 5, figs. 1-3. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 237. Bassler and Moodey, 1943, p. 440.
- Mississippian, Viséan (Osagean), New Providence Shale. United States, Kentucky
- Dorycrinus immaturus* Wachsmuth and Springer, 1889 = *Coelocrinus immaturus* = *Aorocrinus immaturus*

*Dorycrinus inflatus* Rowley and Hare, 1891b, p. 114, Pl. 3, fig. 4. Miller, S. A., 1892a, p. 678. Weller, S., 1898c, p. 240. Bassler and Moodey, 1943, p. 440.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Dorycrinus intermedius* (Meek and Worthen, 1868). Wachsmuth and Springer, 1897, p. 461, Pl. 44, fig. 1. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440.

*Dorycrinus quinquelobus* var. *intermedius* Meek and Worthen, 1868b, p. 346. Meek and Worthen, 1873, p. 385, Pl. 10, fig. 4. Miller, S. A., 1889, p. 241. Zittel, 1895, p. 130, Fig. 248. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Dorycrinus kelloggi* Worthen, 1875 = *Aorocrinus kelloggi*

*Dorycrinus lineatus* Miller, 1881 = *Dorycrinus unicornis*

\**Dorycrinus mississippiensis* Roemer, C. F., 1854, p. 216, Pl. 10, figs. 1-3. Dujardin and Hupé, 1862, p. 143, Pl. 3, figs. 1-3. Miller, S. A., 1889, p. 241. Wachsmuth and Springer, 1889a, p. 341, Pl. 18, fig. 2. Worthen, 1890, p. 100, Pl. 12, fig. 4. Wachsmuth and Springer, 1897, Pls. 3, fig. 20; 43, fig. 1; 44, figs. 2-3. Weller, S., 1898c, p. 238. Grabau and Shimer, 1910, p. 533. Van Tuyl, 1925, p. 149, 151. Bassler, 1938, p. 90. Bassler and Moodey, 1943, p. 440. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 6. Laudon, 1948, Pl. 2. Priest, 1972, p. 85, Fig. 5, p. 87. McLead, 1973, p. 246, Pl. 2, fig. 6. Laudon, 1973b, p. 26, Fig. 2. Webster, 1973, p. 118. Webster, 1977, p. 74. Lane *in* Moore and Teichert, 1978, p. T471, Fig. 277, no. 3. Signor and Brett, 1984, p. 238, Fig. 8, nos. A-B. Webster, 1986, p. 132. Webster, 1988, p. 79. Ausich and Kammer, 1991b, p. 940, Fig. 1.23. Stinchcomb, 2008, p. 131, Fig. 07-077.

*Actinocrinus (Dorycrinus) mississippiensis* var. *spiniger* Hall, 1859a, p. 53, Unnum. Fig. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440. Ausich and Kammer, 1991b, p. 940.

*Actinocrinus mississippiensis* (Roemer, 1854). Shumard, 1868, p. 345. Miller, S. A., 1889, p. 219.

*Actinocrinus mississippiensis* var. *spiniger* Hall, 1859. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 219.

*Dorycrinus mississippiensis* var. *spiniger* (Hall, 1859). Miller, S. A., 1889, p. 241.

*Actinocrinus spinosulus* Hall, 1859a (non Wachsmuth and Springer, 1897), p. 52. Bassler and Moodey, 1943, p. 306. Ausich and Kammer, 1991b, p. 940.

*Aorocrinus spinosulus* (Hall, 1859). Bassler and Moodey, 1943, p. 306. Ausich and Kammer, 1991b, p. 940.

*Dorycrinus spinosulus* (Hall, 1859). Ausich and Kammer, 1991b, p. 940.

*Actinocrinus spinulosus* Hall, 1859 (sic). Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220.

*Dorycrinus spinulosus* (Hall, 1859). Miller, S. A., 1889, p. 241 (sic).



Mississippian, Viséan (late Osagean – Meramecian), Keokuk Limestone, Fort Payne Formation. United States, Illinois, Iowa, Missouri, Tennessee, Kentucky

*Dorycrinus mississippiensis* var. *spiniger* (Hall, 1859) = \**Dorycrinus mississippiensis*

*Dorycrinus missouriensis* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 463, Pls. 43, fig. 6; 45, figs. 13a-13c, 14. Weller, S., 1898c, p. 238. Moore, 1939b, p. 237, Fig. 12, no. 4. Bassler and Moodey, 1943, p. 440. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 6. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 7. Laudon, 1948, Pl. 2. Laudon, 1973b, p. 26, Fig. 2. Haugh, 1973a, p. 86, Pl. 1, fig. 17; Fig. 6, no. n. Webster, 1973, p. 118. Webster, 1977, p. 74. Ubaghs in Moore and Teichert, 1978, p. T471, Fig. 277, no. 3. Webster, 1986, p. 132. Ausich in Hess et al., 1999 p. 143, Fig. 151. Gahn and Baumiller, 2010, p. 514c, Fig. 3.

*Actinocrinus missouriensis* Shumard, 1855, p. 190, Pl. A, figs. 4a-4c. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440.

*Actinocrinus desideratus* Hall, 1861a, p. 273. Hall, 1861b, p. 2. Hall, 1861c, p. 273. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri, Iowa

*Dorycrinus parvibasis* Wachsmuth and Springer, 1889 = *Aorocrinus parvibasis*

*Dorycrinus parvus* (Shumard, 1855) = *Dizygocrinus parvus* = *Aorocrinus parvus*

*Dorycrinus pendens* Whitfield, 1893 = *Dorycrinus unicornis*

*Dorycrinus pentalobus* Rowley, R. R., 1900a, p. 72, Pl. 2, figs. 21-22. Bassler and Moodey, 1943, p. 440.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri

*Dorycrinus praecursor* (Hall, 1862) = *Aorocrinus praecursor*

*Dorycrinus quinquelobus* (Hall, 1859). Zittel, 1880, p. 332, 370, Figs. 228; 259. Miller, S. A., 1889, p. 241. Zittel, 1895, p. 118, Fig. 226. Wachsmuth and Springer, 1897, p. 460, Pl. 42, figs. 7-9. Weller, S., 1898c, p. 238. Wachsmuth in Zittel, 1900, p. 127, 143, Figs. 226, 245. Bassler and Moodey, 1943, p. 440. Laudon, 1973b, p. 30, Fig. 1. Webster, 1973, p. 118. Haugh, 1975b, p. 267, Figs. 4, no. B; 5, no. 10; 6, no. 5. Webster 1977, p. 74. Ubaghs in Moore and Teichert, 1978, p. T194, Fig. 164, no. 2. Lane and Dubar, 1983, p. 119, Fig. 3, no. 1. Webster, 1986, p. 132. Webster, 1988, p. 79. Lee, Ausich, and Kammer, 2005, p. 345.

*Actinocrinus quinquelobus* Hall, 1859a, p. 15, Unnum. Fig. Shumard, 1868, p. 347. Hall, 1872, Pl. III-A, figs. 18-20. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 238. Bassler and Moodey, 1943, p. 440.

*Dorycrinus quienquelobus* (Hall, 1859). Laudon, 1948, Pl. 2 (sic). Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Borden Formation, Nada Member. United States, Iowa, Kentucky

*Dorycrinus quinquelobus* var. *intermedius* Meek and Worthen, 1868 = *Dorycrinus intermedius*

*Dorycrinus quienquelobus* (Hall, 1859) = *Dorycrinus quinquelobus*

*Dorycrinus radiatus* Wachsmuth and Springer, 1889 = *Aorocrinus radiatus*

*Dorycrinus roemeri* Meek and Worthen, 1868b, p. 346. Meek and Worthen, 1873, p. 383, Pl. 10, fig. 3. Miller, S. A., 1889, p. 241. Wachsmuth and Springer, 1897, p. 464, Pl. 45, figs. 15a-15b. Weller, S., 1898c, p. 239. Weller, S., 1900, p. 34, Fig. 21. Bassler and Moodey, 1943, p. 440. Haugh, 1973a, p. 86, Pl. 1, fig. 8; Fig. 6, no. o. Webster, 1977, p. 74.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Dorycrinus sampsoni* Miller and Gurley, 1896c, p. 17, Pl. 3, figs. 20-22. Miller, S. A., 1897, p. 744, Fig. 1346. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Dorycrinus spinosulus* (Hall, 1859) = *Dorycrinus mississippiensis*

*Dorycrinus spinulosus* (Hall, 1859) = \**Dorycrinus mississippiensis*

*Dorycrinus subaculeatus* (Hall, 1858) = *Aorocrinus subaculeatus*

*Dorycrinus suboviformis* Miller and Gurley, 1897, p. 30, Pl. 2, figs. 7-9. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Dorycrinus subturbinatus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 241, Fig. 293. Wachsmuth and Springer, 1897, p. 466, Pl. 42, figs. 10a-10b. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Actinocrinus (Amphoracrinus) subturbinatus* Meek and Worthen, 1860, p. 386. Shumard, 1868, p. 348. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Amphoracrinus subturbinatus* (Meek and Worthen, 1860). Meek and Worthen, 1866a, p. 212, Pl. 15, figs. 4a-4b; Fig. 15. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Actinocrinus subturbinatus* Meek and Worthen, 1860. Miller, S. A., 1889, p. 220.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri

*Dorycrinus symmetricus* (Hall, 1858) = *Aorocrinus symmetricus*

*Dorycrinus trinodus* (Hall, 1858) = *Dorycrinus unispinus*

*Dorycrinus tricornis* Whitfield, 1893 = *Dorycrinus unicornis*

*Dorycrinus unicornis* (Owen and Shumard, 1850). Meek and Worthen, 1873, p. 383, Pl. 6, fig. 2. Miller, S. A., 1889, p. 241, Fig. 294. Keyes, 1894a, p. 169, Pl. 23, fig. 2. Wachsmuth and Springer, 1897, p. 468, Pl. 45, figs. 8a-8e. Weller, S., 1898c, p. 239. Grabau and Shimer, 1910, p. 532, Fig. 1858. Bassler and Moodey, 1943, p. 441. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 5. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 5. Laudon, 1948, Pl. 2. Laudon, 1973b, p. 26, Fig. 2. Haugh, 1973a, p. 87, Pl. 1, figs. 13, 19. Brower, 1973, p. 383, Fig. 24, no. T. Webster, 1973, p. 118. Webster, 1977, p. 74. Haugh, 1975a, p. 480, Pl. 3, fig. 2. Webster, 1986, p. 132.

*Actinocrinus unicornis* Owen and Shumard, 1850, p. 67, Pl. 7, figs. 12a-12b. Owen and Shumard, 1852, p. 593, Pl. 5-A, figs. 12a-12b. Hall, 1858c, p. 568, Pl. 10, figs. 5a-5c. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Dorycrinus lineatus* Miller, S. A., 1881d, p. 310, Pl. 7, figs. 3-3a. Miller, S. A., 1889, p. 241. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Actinocrinus pendens* Hall, 1859a, p. 31, Unnum. Fig. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219, 241. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Dorycrinus pendens* Whitfield, 1893b, p. 18, Pl. 2, fig. 9. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Actinocrinus tricornis* Hall, 1858c, p. 569. Hall, 1860c, Pl. 2, fig. 7. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 239. Bassler and Moodey, 1943, p. 441.

*Dorycrinus tricornis* (Hall, 1858). Whitfield, 1893b, p. 19, Pl. 2, figs. 6-8. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 240. Bassler and Moodey, 1943, p. 441.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, Missouri, New Mexico

*Dorycrinus unispinus* (Hall, 1861). Miller, S. A., 1889, p. 241. Wachsmuth and Springer, 1897, p. 467, Pl. 45, fig. 12. Weller, S., 1898c, p. 240. Bassler and Moodey, 1943, p. 441.

*Actinocrinus unispina* Hall, 1861a, p. 270. Hall, 1961b, p. 2. Hall, 1861c, p. 270. Weller, S., 1898c, p. 240.

*Actinocrinus unispinus* Hall, 1861. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 240. Bassler and Moodey, 1943, p. 441.

*Actinocrinus trinodus* Hall, 1858c, p. 575, Fig. 83. Shumard, 1868, p. 349. Hall, 1872c, Pl. 5, fig. 7. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 240. Bassler and Moodey, 1943, p. 441.

*Dorycrinus trinodus* (Hall, 1858). Miller, S. A., 1889, p. 241.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Iowa

*Dorycrinus* n. spp. Brower, 1970, p. 507, Pl. 67, figs. 23, 27; Fig. 83, nos. B-C.  
Webster, 1977, p. 74.  
Mississippian, Viséan (Osagean), Thunder Springs Member or Mooney Falls  
Member. United States, Arizona

*Dorycrinus* sp. indet. D. sp. 1 Brower, 1970, p. 508. Webster, 1977, p. 74.  
Mississippian, Viséan (Osagean), Mooney Falls Member. United States, Arizona

*Dorycrinus* sp. indet. D. sp. 2 Brower, 1970, p. 508. Webster, 1977, p. 74.  
Mississippian, Viséan (Osagean), Mooney Falls Member. United States, Arizona

*Dorycrinus* species undescribed Keyes, 1888 = *Aorocrinus immaturus*

*Dorycrinus* spp.

Haugh, 1975a, p. 479, Pls. 1, fig. 1; 5, fig. 4. Webster, 1986, p. 132.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa  
Kues, 1982, Unnum. Fig. p. 108, no. 1. Webster, 1988, p. 79.

Mississippian. no locality data

Miller et al., 2008, p. 267, Fig. 12.11.

Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

**DRACRINUS** Webster and Becker, 2009 \**Dracrinus crenulatus* Webster and Becker,  
2009.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinida, F.  
?Dendrocrinidae

Webster and Becker, 2009, p. 140.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian  
species

Devonian, late Emsian. Morocco

\**Dracrinus crenulatus* Webster and Becker, 2009, p. 140, Fig. 4, no. E.

Devonian, late Emsian, basal part of Timrhanrhart Formation. Morocco

**DRYMOCRINUS** Ulrich, 1925. \**Heterocrinus geniculatus* Ulrich, 1879.

Sbc. Disparida, Spf. Homocrinitoidea, F. Homocrinidae

Ulrich, E. O. in Foerste, 1925, p. 96. Bassler, 1938, p. 90. Bassler and Moodey,  
1943, p. 441. Moore and Laudon, 1943b, p. 29. Moore and Laudon, 1944, p.  
145.

Ubaghs, 1953, p. 746. Moore, 1962b, p. 12, Fig. 3, no. 6. Webster, 1973, p. 118.

Warn and Strimple, 1977, p. 82. Moore and Lane in Moore and Teichert, 1978,

p.

T522. Webster, 1986, p. 133. Brower, 1997, p. 442.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Katian  
species

Ordovician, Katian (Cincinnatian). North America

\**Drymocrinus geniculatus* (Ulrich, 1879). Ulrich, E. O., 1925, p. 96, Fig. 12. Bassler and Moodey, 1943, p. 441. Moore and Laudon, 1944, p. 145, Pl. 52, fig. 7. Brower, 1966, p. 617, Fig. 1, no. 1. Webster, 1973, p. 118. Warn and Strimple, 1977, p. 89. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Figs. 321, no. 1. Webster, 1986, p. 134.

*Heterocrinus geniculatus* Ulrich, E. O., 1879, p. 16, Pl. 7, figs. 13-13c. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 611. Bassler, 1938, p. 90. Bassler and Moodey, 1943, p. 441.

*Stenocrinus geniculatus* (Ulrich, 1879). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 611.

*Drymocrinus manitoulinensis* Foerste, 1925, p. 101, Pl. 7, figs. 1a-1f. Bassler and Moodey, 1943, p. 441. Warn and Strimple, 1977, p. 89. Webster, 1986, p. 134.

*Drymocrinus* sp. Foerste, 1925, Pl. 7, fig. 2. Warn and Strimple, 1977, p. 89. Webster, 1986, p. 134.

*Ectenocrinus geniculatus* (Ulrich, 1879). Warn and Strimple, 1977, p. 89, Pls. 14, fig. 8; 15; 16, figs. 1-3, 7. Webster, 1986, p. 134. Meyer and Davis, 2009, p. 178, Fig. 12.6, no. E.

Ordovician, Katian (Cincinnatian), Kope Formation; Shequiandah Formation; Fulton Shale. Canada, Ontario, Manitoulin Island; United States, Ohio, Kentucky

*Drymocrinus strimplei* Brower, 1997, p. 443, Figs. 3-4. ???? Adrian, 2009, p. 30, Fig. 5 left.

Ordovician, Katian (Maysvillian). Maquoketa Formation, Elgin Member. United States, Iowa

*Drymocrinus manitoulinensis* Foerste, 1925 = *Ectenocrinus geniculatus* = *Drymocrinus geniculatus*

*Drymocrinus* sp. Foerste, 1925 = *Ectenocrinus geniculatus* = *Drymocrinus geniculatus*

**DUNCANICRINUS** Jell, 1999. \**Duncanicrinus calvariolus* Jell, 1999.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Jell, 1999a, p. 23.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Lochkovian species

Devonian, late Lochkovian. Australia, Victoria

\**Duncanicrinus calvariolus* Jell, 1999a, p. 24, Figs. 15-17.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

**DYNAMOCRINUS** Eckert and Brett, 2001. \**Dynamocrinus robustus* Eckert and Brett, 2001.

Sbc. Camerata, O. Monobathrida, Sbc. Glyptocrinina, Spf. Melocrinoidea, F.  
Paramelocrinidae

Eckert and Brett, 2001, p. 29.

Named, currently recognized species based on cups or crowns: 1 Silurian,

Llandoveryian species  
Silurian, middle Llandoveryian. United States, New York

- \**Dynamocrinus robustus* Eckert and Brett, 2001, p. 31, Pl. 1, figs. 3-4, 13-15, 26-27;  
Figs. 7.1-7.2.  
Silurian, middle Llandoveryian, Hickory Corners Member, Reynales Formation.  
United States, New York

- DYSTACTOCRINUS** Ulrich, 1925. \**Heterocrinus (Homocrinus) constrictus* Hall, 1871.  
Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea F.  
Cincinnaticrinidae  
Ulrich *in* Foerste, 1925, p. 87. Bassler, 1938, p. 90. Bassler and Moodey, 1943, p.  
443. Moore and Laudon, 1943b, p. 31, Fig. 1. Moore and Laudon, 1944, p. 149.  
Ubaghs, 1953, p. 747. Moore, 1962b, p. 14, Fig. 5, no. 1. Philip, 1963, p. 267,  
Fig. 3, no. d. Philip, 1965a, Fig. 1, no. e. Webster, 1973, p. 118. Warn and  
Strimple, 1977, p. 58. Moore and Lane *in* Moore and Teichert, 1978, p. T549.  
Frest, Strimple, and McGinnis, 1979, p. 407, Fig. 2, no. C. Webster, 1986, p.  
133.  
Webster, 1988, p. 79.  
**DYSTACTOCRINUS** Lane, N. G., 1984, p. 126, Fig. 2, no. C. Webster, 1986, p.  
133.  
**ATYPHOCRINUS** Ulrich, E. O., 1925, p. 85. \**Heterocrinus (Atyphocrinus)*  
*corryvillensis* Ulrich, 1925. Bassler, 1938, p. 49. Warn and Strimple, 1977, p.  
58. Moore and Lane *in* Moore and Teichert, 1978, p. T549. Webster, 1986, p.  
133.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
species  
Ordovician, Katian (Cincinnatian). United States, Ohio

*Dystactocrinus compactus* (Meek, 1873) = *Dystactocrinus constrictus*

- \**Dystactocrinus constrictus* (Hall, 1861). Ulrich *in* Foerste, 1925, p. 87, Fig. 6. Bassler  
and Moodey, 1943, p. 442. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 11.  
Moore, 1962b, p. 14, Pl. 1, fig. 1. Webster, 1973, p. 118. Warn and Strimple,  
1977, p. 60, Pl. 7. Ubaghs *in* Moore and Teichert, 1978, p. T168, Fig. 156, no. 1.  
Moore and Lane *in* Moore and Teichert, 1978, p. T549, Fig. 343, no. 3  
(incorrectly cited as *D. crassus* p. T549). Webster, 1986, p. 133. Baumiller and  
Gahn, 2004, p. 1454, Fig 1, no. A. Meyer and Davis, 2009, p. 178, Fig. 12.6, no.  
D.  
*Heterocrinus constrictus* Hall, 1861a, Pl. 1, figs. 13-14. Hall, 1872a, p. 6, Pl. 5, figs.  
13-14. Hall, 1872b, p. 210, Pl. 5, figs. 13-14. Meek, 1873a, p. 3, Pl. 1, figs. 10-  
10b. Miller, S. A., 1884, p. 18, Pl. 4, figs. 4- 4b, 18. Bassler, 1915, p. 870.  
Bassler and Moodey, 1943, p. 442.  
*Homocrinus constrictus* (Hall, 1861). Hall, 1867a, p. 304. Miller, S. A., 1889, p.  
252. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.  
*Heterocrinus (Homocrinus) constrictus* Hall, 1861. Bassler, 1938, p. 90.

- Heterocrinus constrictus* var. *compactus* Meek, 1873a, p. 4, Pl. 1, fig. 11. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.
- Heterocrinus compactus* Meek, 1873. Warn and Strimple, 1977, p. 59. Webster, 1986, p. 133.
- Ohioocrinus constrictus* var. *compactus* (Meek, 1873). Wachsmuth and Springer, 1886, p. 209 (133). Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.
- Ohioocrinus constrictus* (Meek, 1873). Miller, S. A., 1889, p. 263. Bassler, 1915, p. 870.
- Ohioocrinus compactus* (Meek, 1873). Miller, S. A., 1889, p. 263. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.
- Dystactocrinus compactus* (Meek, 1873). Bassler and Moodey, 1943, p. 442. Webster, 1986, p. 133.
- Heterocrinus constrictus* var. *contractus* Meek, 1873. Bassler, 1915, p. 610.
- Atyphocrinus corryvillensis* Ulrich, E. O., 1925, p. 85, Fig 4. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 314. Warn and Strimple, 1977, p. 60. Moore and Lane in Moore and Teichert, 1978, p. T549, Fig. 342, no. 3. Webster, 1986, p. 133.
- Heterocrinus isodactylus* Miller, S. A., 1875b, p. 279, Fig. 21. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.
- Heterocrinus juvenis* Hall, 1866. Meek, 1873a (part), p. 10, Pl. 1, fig. 3a. Bassler and Moodey, 1943, p. 506.
- Heterocrinus vaupeli* Wetherby, 1881b, p. 82, Pl. 2, figs. 1-1a. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 442.
- Ohioocrinus vaupeli* (Wetherby, 1881). Bassler, 1915, p. 870.
- Ordovician, Katian (Maysvillian), Fairview Formation; Grant Lake Formation, Fairmount-Corryville Shale. United States, Ohio

?*Echinidnis diluviana* Mf. Bronn, 1848 = *Rhodocrinites verus*

*Echinosphaerites* sp. Butts, 1941 = *Carabocrinus micropunctatus*

**ECHMATOCRINUS** Sprinkle, 1973. \**E. brachiatus* Sprinkle, 1973.

O. Echmatocrinida, Sbo. Echmatocrinina, F. Echmatocrinidae

Sprinkle, 1973a, p. 177. Webster, 1977, p. 74. Sprinkle and Moore in Moore and Teichert, 1978, p. T407. Haude, 1981, p. 1892, Fig. 4. Webster, 1986, p. 133. Broadhead, 1987, p. 179. Ausich, 1988, p. 909, Fig. 1, no. 6. Webster, 1988, p. 79. Webster, 1993, p. 53. Guensburg, 1995, p. 82, Fig. 8. Howell, 1995, p. 99, Pl.

4, fig. 1. Sprinkle and Guensburg, 1997, p. 214, Fig. 7. Ausich and Babcock, 1998, p. 194, (not a crinoid). Ausich, 1998c, p. 129, Tab. 1. Sprinkle and Collins, 1999, p. 269. Ausich, 1999, p. 237. Guensburg and Sprinkle, 2000, p. 432, Fig. 1. Ausich and Babcock, 2000, p. 92. Rozhnov, 2002, p. S532, Fig. 5.

Named, currently recognized species based on cups or crowns: 1 Middle Cambrian species

Middle Cambrian. Canada, British Columbia

\**Echmatocrinus brachiatus* Sprinkle, 1973a, p. 180, Pls. 42, 43; Figs. 14, 44-45.

Ubaghs, 1975, p. 91, Fig. 7. Sprinkle, 1976b, p. 62, Pl. 1, fig. 6. Webster, 1977,

p. 75. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T407, Figs. 219, 220. Paul and Smith, 1984, p. 458, Figs. 11, 19. Webster, 1986, p. 133. Donovan, 1988c, p. 236. Webster, 1988, p. 80. Sprinkle, 1992, p. 380, Fig. 2, no. F. Webster, 1993, p. 53. Ausich and Babcock, 1998, p. 194, Pl. 1, figs. 1-2; Fig. 1, nos. A-B (not a crinoid). Sprinkle and Collins, 1999, p. 269, Figs. 1-9 (an echinoderm, earliest crinoid or sister group). Ausich, 1999, p. 237. Ausich and Babcock, 2000, p. 92, Fig. 1, no. F.  
Middle Cambrian, Stephen Formation, Burgess Shale Member. Canada, British Columbia

**ECKIDOCRINUS** Jell and Theron, 1999. \**Eckidocrinus interbrachiatus* Jell and Theron, 1999.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Jell and Theron, 1999, p. 133.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. South Africa

\**Eckidocrinus interbrachiatus* Jell and Theron, 1999, p. 133, Fig. 17, nos. A-B. Devonian, Eifelian, Voorstehoek Formation. South Africa

**ECTENOCRINUS** Miller, 1889. \**Heterocrinus simplex* Hall, 1847.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Miller, S. A., 1889, p. 242. Bather, 1890b p. 324. Bather *in* Lankester, 1900, p.

146. Wachsmuth *in* Zittel, 1900, p. 152. Cumings, 1908, p. 712. Springer, 1911b, p. 27. Springer *in* Zittel, 1913, p. 212. Bassler, 1915, p. 471. Ulrich *in* Foerste, 1925, p. 94. Bassler, 1938, p. 91. Bassler and Moodey, 1943, p. 442. Moore and Laudon, 1943b, p. 29, Fig. 3. Moore and Laudon, 1944, p. 145, Pl.

52,

fig. 7. Moore, 1950, figs. 1e-1f. Ubaghs, 1953, p. 746. Moore, 1962a, p. 9, Fig. 4. Philip, 1963, Fig. 3, no. b. Webster, 1973, p. 119. Kolata, 1976, p. 447. Warn and Strimple, 1977, p. 82. Webster, 1977, p. 75. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Fig. 324, no. 1. Frest, Strimple, and McGinnis, 1979, p. 399, Fig. 2, no. G. Smith, A. B., 1985, p. 169. Webster, 1986, p. 133.

Sevastopulo and Lane, 1988, p. 246. Ausich, 1988, p. 909, Fig. 1, no. 15.

Clement, 1988, p. 113. Webster, 1988, p. 80. Webster, 1993, p. 53. Ausich, 1996, p. 242, Fig. 17-1, no. 1. Ausich, 1997a, p. 292, Figs. 2, no. 3; 7. Ausich, 1998b, p. 36. Brett et al., 2007, p. 235, Fig. 4, no. A. Brower, 2008a, p. 58, Fig.

1.

**HETEROCRINITES** Troost, 1850a, p. 60. Troost, 1850b, p. 419. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 505.

Named, currently recognized species based on cups or crowns: 2 Ordovician, species, 1 Sandbian – Katian, 1 Katian

Late Ordovician, Cincinnati. North America

*Ectenocrinus canadensis* (Billings, 1857) = *Ectenocrinus simplex*



*Ectenocrinus elongatus* Thomas and Ladd, 1926 = *Sygcaulocrinus typus*

*Ectenocrinus geniculatus* (Ulrich, 1879) = \**Drymocrinus geniculatus*

*Ectenocrinus grandis* (Meek, 1873) = *Ectenocrinus simplex*

*Ectenocrinus punctatus* Brower and Veinus, 1974 = *Apodasmocrinus punctatus*

*Ectenocrinus raymondi* Slocum, 1924 = *Ectenocrinus simplex*

- \**Ectenocrinus simplex* (Hall, 1847). Miller, S. A., 1889, p. 242, Fig. 296. Cumings, 1908, p. 720, Pl. 4, figs. 10-10a. Bassler, 1915, p. 471. McFarlan, 1917, p. 68, Pl. 9, fig. 21. Miller, A. M., 1919, Pl. 22, fig. 3. Ulrich *in* Foerste, 1924, p. 94, Fig. 11. Ruedemann, 1925, p. 69. Butts, C., 1941, p. 114, Pl. 96, figs. 24-25. Bassler and Moodey, 1943, p. 443. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 5. Moore and Laudon, 1944, p. 145, Pls. 52, fig. 7; 53, fig. 8. Moore, 1962b, p. 31, Pl. 1, fig. 2a; Fig. 3, no. 2a. Jillson, 1963, p. 4, Fig. 2. Webster, 1973, p. 119. Warn, 1975, p. 437, Fig. 3. Warn and Strimple, 1977, p. 84, Pls. 12-13, 14, figs. 1-7, 9-10; Fig. 20. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Fig. 322, nos. 1a-1e. Smith, A. B., 1985, p. 170, Pl. 7.4.15. Webster, 1986, p. 134. Brower, 1988, p. 919, Fig. 2, no. 1. Webster, 1988, p. 80. Brower, 1992b, p. 979, Figs. 8-11, 13. Webster, 1993, p. 53. Ausich, 1996b, p. 244, Fig. 17-3, nos. 9-10. Brower, 1997, p. 442, Figs. 1, 2, 8. Brett *in* Hess et al., 1999 p. 66, Fig. 67. Sloan, 2005, p. 153, Fig. 4-61, no.1. Brower, 2006, p. 431, Fig. 1, nos. 19-20, 25-26. Brower, 2007a, p. 110, Fig. 5, no. 1. Brower, 2007b, p. 1285, Fig. 2, nos. 19-21. Brower, 2008b, p. 577, Figs. 2, nos. 1, 3. Brett, Deline and McLaughlin *in* Ausich and Webster, 2008, p. 27, Fig. 2.5, nos. 1-2. Ausich, 2009a, p. 487 (misspelled as *Ectocrinus simplex*), suppl. p. 18. Meyer and Davis, 2009, p. 178, Figs. 12.5, nos. B, I-J; 12.6, nos. F-G. Brower, 2011, p. 270, Fig. 1, nos. 1e-4e.
- Heterocrinus simplex* Hall, 1847b, p. 280, Pl. 76, figs. 2a-2. d'Orbigny, 1850, p. 24. Billings, E., 1857a, p. 271. Hall, 1866a, Pl. 1, figs. 11-12. Owen *in* Shumard, 1866, p. 377. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Hall, 1872a, Pl. 5, figs. 11-12. Hall, 1872b, Pl. 5, figs. 11-12. Hall, 1873, p. 7, Pl. 1, figs. 4a-4c, 5a-5b, 6a-6b. Quenstedt, 1885, p. 945, Pl. 75, figs. 14, 16. Miller, S. A., 1889, p. 252. Dyche, 1892, p. 130. Grabau and Shimer, 1910, p. 502, Fig. 1814. Bassler, 1915, p. 471. Bassler, 1938, p. 91. Bassler and Moodey, 1943, p. 443.
- Heterocrinites simplex* (Hall, 1847). Troost, 1850a, p. 61. Troost, 1850b, p. 419.
- Ectenocrinus (Heterocrinus) simplex* (Hall, 1847). Wachsmuth and Springer, 1889b, p. 379. Bassler, 1915, p. 471.
- Ectenocrinus canadensis* (Billings, 1857). Miller, S. A., 1889, p. 242. Wood, E., 1909, p. 22, Pl. 4, fig. 10. Bassler, 1915, p. 471. Bassler and Moodey, 1943, p. 442. Wilson, A. E., 1946, p. 32, Pl. 6, fig. 8. Moore, 1962b, p. 31, fig. 3, nos. 2b-2c. Webster, 1973, p. 119. Brower, 1992b, p. 979.
- Heterocrinus canadensis* Billings, E., 1857a, p. 273. Billings, E., 1859a, p. 48, Pl. 4, figs. 5a-5d. Shumard, 1868, p. 377. Bigsby, 1868, p. 20, 196. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 471. Bassler and Moodey, 1943, p. 442.

*Ectenocrinus grandis* (Meek, 1873). Miller, S. A., 1889, p. 242, Fig. 295. Foerste, 1914, p. 124, Pl. 1, figs. 8A-8D. Bassler, 1915, p. 471. McFarlan, 1917, p. 69, Pl. 9, fig. 22. Miller, A. M., 1919, Pl. 22, fig. 2. Bassler and Moodey, 1943, p. 442. Moore, 1962b, p. 24, Pl. 1, figs. 2b-2c. Webster, 1973, p. 119. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Fig. 322, nos. 1f-1g. Webster, 1986, p. 134. Brower, 1992b, p. 979. Ausich et al. *in* Hess et al., 1999 p. 18, Fig. 26.

*Heterocrinus simplex* var. *grandis* Meek, 1873a, p. 9, Pl. 1, figs. 6-7. Miller, S. A., 1889, p. 252. Grabau and Shimer, 1910, p. 502, Fig. 1814. Bassler, 1915, p. 471. Bassler and Moodey, 1943, p. 442.

*Ectenocrinus raymondi* Slocum, 1924, p. 337, Pl. 29, figs. 5-9. Thomas and Ladd, 1926, p. 14, Pl. 2, fig. 2. Bassler and Moodey, 1943, p. 442. Brower, 1992b, p. 979.

*Decadactylocrinites planus* Owen, 1843, p. 1 (*nomen nudum*). Bassler, 1938, p. 84.

Ordovician, Sandbian – Katian (Cincinnatian), Kope Formation; Fairview Formation; Trenton Limestone, Rust Limestone, Spillway Member; Mifflin Formation; Eden Formation; Maysville-Fairmount Limestone; Martinsburg Shale; Galena Group, Dunleith Formation, Rivoli member, Sherwood Member, Sinsinawa Member; Maquoketa Formation, Elgin, Clermont, and Fort Atkinson Members; Cobourg Limestone; Hull Limestone; Cynthiana Formation. United States, Ohio, Virginia, New York, Pennsylvania, Iowa, Kentucky, Michigan, Minnesota, New York; Canada, Quebec, Ontario

*Ectenocrinus (Heterocrinus) simplex* (Hall, 1847) = *E. simplex*

*Ectenocrinus triangularis* Titus, 1989, p. 90, Figs. 4, nos. 1-4; 5, nos. 1-8, 12. Webster, 1993, p. 53.

Ordovician, Katian (Cincinnatian), Trenton Group, Sugar River Limestone, Denley Limestone. United States, New York

*Ectenocrinus* n. sp. Steele and Sinclair, 1971 = *Isotomocrinus tenuis*

*Ectenocrinus* sp. Morris and Felton, 2003, p. 553, Fig. 4. (diagramatic)

*Ectenocrinus* sp. indet. Kolata, 1976, p. 447, Pl. 1, figs. 6-7; Fig. 2. Warn and Strimple, 1977, p. 90. Webster, 1986, p. 134.

Ordovician, Katian (Maysvillian), Bighorn Formation, Hunt Mountains Beds. United States, Wyoming

**ECTOCRINUS** Wright, 1955. \**Actinocrinus (Amphoracrinus?) olla* M'Coy, 1849.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Periechocrinoidea, F. Amphoracrinidae

Wright, J., 1955a, p. 204. Webster, 1973, p. 119. Ubaghs *in* Moore and Teichert, 1978, p. T452. *Westhead*, 1978, p. 478., Webster, 1986, p. 134. Lane and Sevastopulo, 1987, p. 200. Webster, 1993, p. 53. Webster et al., 2004, p. 19. Ausich and Kammer, 2008b, p. 1146.

Named, currently recognized species based on cups or crowns: 6 Mississippian species, 1 Tournaisian, 4 Viséan, 1 Serpukhovian

Mississippian, Tournaisian. China, Yunnan; United Kingdom, Scotland  
Mississippian, Viséan-Serpukhovian. United Kingdom; Ireland, Algeria

*Ectocrinus anthodeus* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 140, Fig. 7, nos. v-y.

*Amphoracrinus anthodeus* Chen and Yao, 1993, p. 30, Pls. 4, fig. 1; 14, figs. 8-9; 16, figs. 9-10; Fig. 12, nos. a-c. Webster, Waters, and Chen, p. 140  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Ectocrinus expansus* Wright, J., 1955a, p. 206, Pl. 52, figs. 6, 15. Webster, 1973, p. 119.

Mississippian, Viséan. United Kingdom

*Ectocrinus macneanensis* Wright, J., 1955a, p. 207, Pl. 52, fig. 9. Webster, 1973, p. 119.

Mississippian, Viséan. Ireland

*Ectocrinus mezereltensis* Webster et al., 2--4, p. 21, Pls. 2, figs 1-2; 3, figs. 7-14.

Mississippian, early Serpukhovian, El Guelmouna Formation, Aïn Mezerelt Member.  
Algeria

\**Ectocrinus olla* (M'Coy, 1851). Wright, J., 1955a, p. 204, Pl. 52, figs. 1-5, 7-8, 10.

Webster, 1973, p. 119. Ubaghs in Moore and Teichert, 1978, p. T452, Fig. 260, no. 2. Webster, 1986, p. 134.

*Actinocrinus (Amphoracrinus?) olla* M'Coy, 1849, p. 248. M'Coy, 1854, p. 121, Pl. 3-D, fig. 6. Bassler and Moodey, 1943, p. 272. Wright, J., 1955a, p. 204. Webster, 1973, p. 119.

*Actinocrinus olla* M'Coy, 1849. Miller, S. A., 1889, p. 219.

*Actinocrinites olla* (M'Coy, 1849). Bassler and Moodey, 1943, p. 272.

Mississippian, Viséan: United Kingdom

*Ectocrinus rouchi* (Delpey, 1941. Webster et al., 2004, p. 20. Pl. 1, figs. 4-12.

*Amphoracrinus rochi* Delpey, 1941a, p. 217, Figs. 4-8. (Not an *Amphoracrinus*, GDW). Delpey, 1941b, p. 89, Fig. 1, no. 2. Termier, G. and Termier, H., 1950, p. 83, Pl. 208, figs. 37-41. Webster, 1973, p. 51. Webster et al., 2004, p. 20.

Mississippian, late Viséan. Morocco

*Ectocrinus?* sp. Webster et al., 2004, p. 23, Pl. 3, figs. 5-6.

Mississippian, Serpukhovian, E1, Aïn el Mizab Formation, El Harrada Member.  
Algeria

*EDAPHOCRINUS* Wright, 1935 = ***EDAPOCRINUS***

*Edapocrinus rugosus* (Wright, 1935) = *Edapocrinus rugosus*

***EDAPOCRINUS*** Wright, 1935. \**E. rugosus* Wright, 1935.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae

Wright, J., 1935, p. 195. Bassler, 1938, p. 91. Bassler and Moodey, 1943, p. 443.

Arendt, 1970a, p. 95. Webster, 1973, p. 119. Webster, 1977, p. 75. Westhead, 1978, p. 471. Webster, 1986, p. 134. Lane and Sevastopulo, 1990, p. 335. *EDAPHOCRINUS* Wanner, 1937, p. 127. Bassler, 1938, p. 91. Bassler and Moodey, 1943, p. 443. Moore and Laudon, 1943b, p. 50. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b p. 11, fig. 4. Lane and Moore *in* Moore and Teichert, 1978, p. T601. Webster, 1993, p. 54.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Edapocrinus rugosus* Wright, J., 1935, p. 195, Pl. 7, figs. 1-8; Figs. 1-4. Wright, J., 1952a, p. 129, Pl. 38, figs. 1-4, 10, 18, 22; Figs. 71-74. Arendt, 1970a, p. 95, Fig. 10. Webster, 1973, p. 119. Webster, 1977, p. 75. Westhead, 1978, p. 472, 474. Webster, 1986, p. 135. Donovan, 1992c, p. 37, Fig. 3, nos. A-B.

\**Edaphocrinus rugosus* (Wright, 1935), Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 443. Lane and Moore *in* Moore and Teichert, 1978, p. T601, Fig. 387, no. 5.

Mississippian, Tournaisian - Viséan. United Kingdom, Scotland

**EDRIOCRINUS** Hall, 1858. \**E. pocilliformis* Hall, 1859.

Sbc. Cladida, Inf. Flexibilia, O. uncertain, F. Edriocrinidae

Hall, 1858c, p. 278. Hall, 1859b, p. 119. Shumard, 1868, p. 368. Bigsby, 1868, p. 19. Zittel, 1880, p. 343, 350. Wachsmuth and Springer, 1886, p. 265 (p. 189).

Miller,

S. A., 1889, p. 242. Bather *in* Lankester, 1900, p. 191. Talbot, 1905, p. 22.

Grabau and Shimer, 1910, p. 514. Springer *in* Zittel, 1913, p. 206. Springer, 1920a, p. 443. Goldring, 1923, p. 445. Springer, 1926a, p. 25. Ehrenberg,

1928a,

p. 61. Ehrenberg, 1933a, p. 85. Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 443. Moore and Laudon, 1943b, p. 102. Moore and Laudon, 1944, p. 205.

Cuénot, 1948, p. 67. Moore and Jeffords, 1968, p. 11, Fig. 3, no. 2. Webster, 1973, p. 119. Strimple *in* Moore and Teichert, 1978, p. T812. Etensohn, 1984, p.

65, Fig. 1. Webster, 1986, p. 135. Webster, 1988, p. 80. Gibson and Broadhead, 1989, p. 295, Fig. 9. Gibson, 1995, p. 54, Unnum. Fig. Webster, 1993, p. 54.

Donovan, 2006a, p. 399.

Named, currently recognized species based on cups or crowns: 11 Devonian species, 6 Lochkovian, 1 Pragian, 3 Emsian, 1 Eifelian

Devonian, Lochkovian - Emsian. United States

Devonian, Pragian - Eifelian. Czech Republic

Devonian, Eifelian. Algeria

*Edriocrinus adhaerens* Springer, 1920 = *Edriocrinus adnascens*

*Edriocrinus adnascens* Dunbar, 1919, p. 52, Pl. 2, fig. 10 (*nomen nudum*). Dunbar, 1920, p. 120, Pl. 2, fig. 3. Bassler and Moodey, 1943, p. 443. Strimple, 1977e, p. 171, Fig. 1. Webster, 1986, p. 135. Clement and Broadhead, 1994, p. 47.

*Edriocrinus adhaerens* Springer, 1920a, p. 446, Pl. 76, figs. 16-18. Bassler and Moodey, 1943, p. 44

Devonian, Lochkovian (Gedinnian), Rockhouse Shale; Birdsong Shale; Haragan Formation. United States, Tennessee, Oklahoma

*Edriocrinus ata* Prokop, 1976, p. 188, Pl. 1, figs. 1-2; Fig. 1, no. A. Webster, 1986, p. 135. Prokop and Petr, 1990, p. 14. Webster, 1993, p. 54.  
Devonian, Pragian, Dvorce-Prokop Formation. Czech Republic, Bohemia

*Edriocrinus cf. ata* Prokop, 1976. Prokop and Petr, 1995c, p. 1205, Pl. 1, figs. 1-2.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic

*Edriocrinus becraftensis* Clarke, 1900, p. 62, Pl. 9, figs. 12-13. Goldring, 1923, p. 453, Pl. 58, fig. 18. Ehrenberg, 1928a, p. 63, Pl. 7, figs. 11, 12c. Bassler and Moodey, 1943, p. 443.  
Devonian, Emsian (Siegenian), Oriskany Sandstone. United States, New York

*Edriocrinus cylindricus* Prokop, 1976 = *Edriocrinus tara*

*Edriocrinus dispansus* Kirk, 1911, p. 112, Pl. 11, figs. 1-2. Springer, 1920a, p. 446, Pl. 76, figs. 1-5. Goldring, 1923, p. 453, Pl. 58, figs. 19-21. Ehrenberg, 1928a, p. 62, Pl. 6, fig. 7. Bassler and Moodey, 1943, p. 443. Moore and Laudon, 1944, p. 205, Pl. 79, fig. 33. Strimple, 1963d, p. 125, Pl. 10, figs. 5-6. Webster, 1973, p. 119. Strimple *in* Moore and Teichert, 1978, p. T812, Fig. 548, nos. 1b-1c. Webster, 1986, p. 135. Kendrick, 2007, p. 346, Fig. 9, no. J.  
Devonian, Lochkovian, Linden Limestone; Haragan Formation. United States, Tennessee, Oklahoma

*Edriocrinus aff. dispansus* Kirk, 1911. Le Menn, 1997b, p. 136, Pl. 4, figs. 4-5, 7-9; Fig. 2.

*Edriocrinus cf. pocilliformis* Hall, 1859, Le Maitre, 1958b, p. 143, Pl. 2, figs. 7-9. Webster, 1973, p. 119. Le Menn, 1997a, p. 136.  
Devonian, late Emsian. Algeria

*Edriocrinus explicatus* Springer, 1920a, p. 445, Pl. 76, figs. 13-15. Goldring, 1923, p. 445, Fig. 61, no. B. Ehrenberg, 1928a, p. 62, Pl. 7, fig. 10. Bassler and Moodey, 1943, p. 443.

Devonian, Lochkovian (Gedinnian), Birdsong Shale. United States, Tennessee

*Edriocrinus holopoides* Springer, 1920a, p. 447, Pl. 76, figs. 22a-23. Goldring, 1923, p. 455, Fig. 63. Ehrenberg, 1928a, p. 63, Pl. 6, fig. 4. Bassler and Moodey, 1943, p. 443. Le Maître, 1958b, p. 143, Pl. 3, fig. 8. Webster, 1973, p. 119.

*Edriocrinus sacculus* Ohern, 1913, Pl. 40, figs. 7-9 only. Bassler and Moodey, 1943, p. 444.

Devonian, Emsian (Siegenian), Oriskany Sandstone; Ridgeley Sandstone. United States, Maryland

*Edriocrinus occidentalis* Springer, 1920a, p. 445, Pl. 76, figs. 6-12. Goldring, 1923, p. 445, Fig. 61, no. A. Ehrenberg, 1928a, p. 62, Pl. 7, fig. 12. Bassler and Moodey, 1943, p. 444.

Devonian, Lochkovian (Gedinnian), New Scotland Limestone; Linden Limestone.  
United States, Tennessee, Virginia

\**Edriocrinus pocilliformis* Hall, 1859b, p. 121, Pl. 5, figs. 8-12. Meek and Worthen, 1868c, p. 370, Pl. 7, figs. 5a-5b. Shumard, 1868, p. 368. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 242. Keyes, 1894a, p. 221, Pl. 30, figs. 6-7. Talbot, 1905, p. 23, Pl. 4, figs. 1-6. Shimer, 1905, p. 238. Ohern, 1913, p. 257, Pl. 40, figs. 13-15. Springer, 1920a, p. 448. Goldring, 1923, p. 447, Pl. 58, figs. 9-15. Ehrenberg, 1928a, p. 62, Pl. 7, figs. 9, 16. Swartz, 1929, p. 52, Pl. 8, fig. 15. Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 444. Goldring, 1943, p. 164, Fig. 30, no. f. Webster, 1973, p. 119. Ubaghs *in* Moore and Teichert, 1978, p. T94, Fig. 70, no. 12. Webster, 1986, p. 135.

Devonian, Lochkovian (Gedinnian), New Scotland Limestone; Linden Limestone;  
Bailey Limestone. United States, New York, Maryland, West Virginia,  
Tennessee, Missouri

*Edriocrinus cf. pocilliformis* Hall, 1859. Le Maitre, 1954, p. 2108.  
Devonian, Eifelian (Couvinian). southern Algeria

*Edriocrinus cf. pocilliformis* Hall, Le Maitre, 1958 = *Edriocrinus aff. dispansus*

*Edriocrinus pyriformis* Hall, 1862a, p. 88, Pl. 1, figs. 23-24. Hall, 1862b, p. 116, Pl. 1, figs. 23-24. Shumard, 1868, p. 368. Miller, S. A., 1889, p. 242. Kirk, 1911, p. 112, Pl. 11, fig. 9. Springer, 1920a, p. 451, Pl. 76, figs. 19-21. Goldring, 1923, p. 451, Pl. 58, figs. 16-17. Ehrenberg, 1928a, p. 62, Pl. 6, figs. 1, 3. Bassler and Moodey, 1943, p. 444. Moore and Laudon, 1944, p. 205, Pl. 79, fig. 28. Webster, 1973, p. 120.

Devonian, Lochkovian (Gedinnian), Onondaga Limestone; Coeymans Limestone:  
United States, New York

*Edriocrinus cf. pyriformis* Hall, 1862. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, Rockhouse Member. United States,  
Tennessee

*Edriocrinus sacculus* Hall, 1859b, p. 143, Pl. 87, figs. 1-22. Shumard, 1868, p. 368. Miller, S. A., 1889, p. 242. Weller, S., 1903, p. 342, Pl. 45, figs. 3-5. Kirk, 1911, p. 112, Pl. 11, figs. 14-15. Ohern, 1913, p. 256, Pl. 40, figs. 10-12 only. Grabau and Shimer, 1910, p. 515, Figs. 1833-1834. Springer, 1920a, p. 446. Goldring, 1923, p. 448, Pl. 58, figs. 1-8. Ehrenberg, 1928a, p. 63, Pl. 7, figs. 8, 12b, 13-15, 17. Ehrenberg, 1933, Pl. 7, figs. 1-3. Bassler and Moodey, 1943, p. 444. Moore and Laudon, 1944, p. 205, Pl. 79, fig. 27. Cuénot, 1948, p. 67, Fig. 89. Webster, 1973, p. 120. Strimple *in* Moore and Teichert, 1978, p. T812, Fig. 548, no. 1a. Webster, 1986, p. 135.

Devonian, Emsian (Siegenian), Oriskany Sandstone; Ridgeley Sandstone; Glen Erie Limestone; Little Saline Limestone: United States, New York, Maryland, West Virginia, Missouri

*Edriocrinus sacculus* Ohern, 1913 (part) = *Edriocrinus holopoides*

*Edriocrinus tara* Prokop, 1976, p. 188, Pls. 1, fig. 3; 2, figs. 1-2; 3, figs. 1-4; Fig. 1, no. B. Prokop and Petr, 1990, p. 20, 49.

*Edriocrinus tata* Prokop, 1976. Webster, 1986, p. 135.

*Edriocrinus cylindricus* Prokop, 1976, p. 190, Pl. 4, figs. 1-4; Fig. 1, no. C. Webster, 1986, p. 135. Prokop and Petr, 1990, p. 20. Webster, 1993, p. 54.  
Devonian, early Eifelian, Trebotov Limestone. Czech Republic, Bohemia

*Edriocrinus tata* Prokop, 1976 = *Edriocrinus tara*

*Edriocrinus* spp.

Prokop and Petr, 1995a, p. 49, Pl. 1, figs. 1-16.

Early - Middle Devonian, Dvorce-Prokop Limestone, Zlichov Limestone, Trebotov Limestone, Chotec Limestone. Czech Republic

Seilacher and MacClintock, 2005, p. 234, Fig. 17, nos. A-H.

Early Devonian, Oriskany Sandstone. United States, Pennsylvania

**EDWARDSOCRINUS** d'Orbigny, 1849 = **PLATYCRINITES**

*Edwardsocrinus ornatus* d'Orbigny, 1849 = *Platycrinites ornatus*

**EDWARDSOCRINUS** d'Orbigny, 1849 = **PLATYCRINITES**

**EIDOSOCRINUS** Webster and Jell, 1999. \**Eidosocrinus condaminensis* Webster and Jell, 1999.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Webster and Jell, 1999b, p. 304.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian or Roadian species

Permian, latest Artinskian or earliest Roadian. Australia, Queensland

\**Eidosocrinus condaminensis* Webster and Jell, 1999b, p. 304, Fig. 11, nos. A-E.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

**EIFELOCRINUS** Wanner, 1916. \**Ptilocrinus dohmi* Wanner, 1916.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Wanner, 1916, p. 200. Haarmann, 1921, p. 41. Bassler, 1938, p. 93. Bassler and

Moodey, 1943, p. 444. Moore and Laudon, 1943b, p. 54. Webster, 1973, p.

120. Webster, 1977, p. 75. Moore and Lane *in* Moore and Teichert, 1978, p.

T623. Webster, 1986, p. 135. Hauser *in* Hauser and Landeta, 2007, p. 53, Fig. 5.

Franke, C., 2012, p. 23.

*PTILOCRINUS* Wanner, 1916 (*non* Clark, 1907), p. 343. Bassler, 1938, p. 161.  
Bassler and Moodey, 1943, p. 444. Moore and Lane *in* Moore and Teichert,  
1978, p. T623.

Named, currently recognized species based on cups or crowns: 7 Devonian species,  
6 Emsian, 1 Emsian - Eifelian  
Early Devonian, Emsian. Germany  
Devonian, Emsian – Eifelian. Spain

*Eifelocrinus bifurcatus* Haarmann, 1921, p. 46, Pl. 6, figs. 1a- 2. Schmidt, W. E., 1942,  
p. 170, Pl. 5, fig. 1; Fig. 46, no. e. Bassler and Moodey, 1943, p. 444. Webster,  
1973, p. 120.

Devonian, Emsian (Coblentian). Germany

*Eifelocrinus bohmi* (Wanner, 1916) = *\*Eifelocrinus dohmi*

*Eifelocrinus cantabricus* Hauser *in* Hauser and Landeta, 2007, p. 53, Fig. 4.

Devonian, boundary beds of Emsian-Eifelian, Santa Lucia Formation. Spain

*\*Eifelocrinus dohmi* (Wanner, 1916). Haarmann, 1921, p. 42, Pl. 3, figs. 4-8; Figs. 3, 5.  
Ehrenberg, 1929, p. 29, Fig. 19. Bassler and Moodey, 1943, p. 444. Schmidt,  
W. E., 1942, p. 170, Pl. 5, figs. 2-5; Fig. 46, no. a. Wanner, 1943, p. 33, Unnum.  
Fig. p. 34. Cuénot, 1948, p. 34, Fig. 43. Trevisan and Tongiorgi, 1958, p. 504,  
Fig. 473 (diagramatic). Webster, 1973, p. 120. Webster, 1977, p. 75. Moore  
and Lane *in* Moore and Teichert, 1978, p. T623, Fig. 406, no. 5. Webster, 1986,  
p. 135. Hauser, 1999, p. 22, Fig. 9. Hauser *in* Hauser and Landeta, 2007, p. 52,  
Fig. 1.

*Ptilocrinus dohmi* Wanner, 1916, p. 344, Pl. 28, figs. 1-7, Figs. 1-3. Bassler, 1938,  
p. 93, 161. Bassler and Moodey, 1943, p. 444.

*Eifelocrinus bohmi* (Wanner, 1916). Yakovlev, 1964b, p. 67, Fig. 97.

Devonian, Emsian (Coblentian), Stadtfeld Beds. Germany

*Eifelocrinus hefteri* Schmidt, W. E., 1942, p. 171, Pl. 17, fig. 1; Fig. 46, no. b. Webster,  
1973, p. 120. Hauser *in* Hauser and Landeta, 2007, p. 54, fig. 7.

Devonian, Emsian, Hunsrückschiefers. Germany

*Eifelocrinus pennula* Schmidt, W. E., 1942, p. 172, Pl. 13, fig. 6; Figs. 46, no. d.  
Webster, 1973, p. 120.

Devonian, Emsian (Coblentian). Germany

*Eifelocrinus pulvinatus* Schmidt, W. E., 1942, p. 172, Pls. 15, figs. 1-2; 21, figs. 1-2;  
Figs. 46, no. c; 47. Hefter, 1956, p. 170, Fig. 2. Webster, 1973, p. 120. Webster,  
1977, p. 75.

Devonian, Emsian (Coblentian). Germany

*Eifelocrinus rhenanus* (Jaekel, 1921). Schmidt, W. E., 1942, p. 176, Fig. 48, no. b.  
Webster, 1973, p. 120.

*Homocrinus rhenanus* Jaekel, 1921, p. 54, Fig. 43. Schmidt, W. E., 1942, p. 176.  
Bassler and Moodey, 1943, p. 513. Webster, 1973, p. 120.



Devonian, Emsian (Coblenzian), Coblenz Sandstone. Germany

*Eifelocrinus* spp.

Südkam, 1995a, p. 124, unnumbered fig. p. 124.

Devonian, Emsian, Hunsrückschiefers. Germany

Franke, C., 2012, p. 23, Fig. 7.

Devonian, Emsian, Mulden group. Germany, Rhenischen Schiefergebirge

*Eifelocrinus* sp. indet. Schmidt, W. E., 1942, p. 178. Webster, 1973, p. 120.

Devonian, Coblenzian. Germany

**EIREOCRINUS** Wright, 1951 = **HOLCOCRINUS**

*Eireocrinus? coloradoensis* Webster and Hafley in Webster et al., 1999, p. 473, Figs. 5.1, 5.5.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

*Eireocrinus ornatus* Wright, 1951 = *Holcocrinus smythi*

**EIRMOCRINUS** Strimple and Watkins, 1969. \**E. grossus* Strimple and Watkins, 1969. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Strimple and Watkins, 1969, p. 204. Strimple and Moore, 1971a, p. 19. Webster, 1977, p. 75. Moore and Strimple in Moore and Teichert, 1978, p. T726.

Webster, 1986, p. 136. Webster, 1988, p. 80.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States

*Eirmocrinus brewi* (Webster and Lane, 1970). Webster, 1981, p. 1181, Pl. 1, figs. 12-22. Webster, 1988, p. 80.

*Sciadiocrinus brewi* Webster and Lane, 1970, p. 286, Pl. 57, figs. 6-9. Webster, 1977, p. 152. Webster, 1981, p. 1181. Webster, 1988, p. 80.

*Eirmocrinus jeani* Brew and Beus, 1976, p. 904, Pl. 1, figs. 24-25. Webster, 1981, p. 1181. Webster, 1986, p. 136. Webster, 1988, p. 80.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

\**Eirmocrinus grossus* Strimple and Watkins, 1969, p. 204, Pl. 30, figs. 1-4. Webster, 1977, p. 75. Ubaghs in Moore and Teichert, 1978, p. T145, Fig. 119, no. 1.

Moore and Strimple in Moore and Teichert, 1978, p. T726, Fig. 478, no. 1.

Signor

and Brett, 1984, p. 238, Fig. 8, no. F. Webster, 1986, p. 136. Webster, 1988, p. 80.

Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas

*Eirmocrinus jeani* Brew and Beus, 1976 = *Eirmocrinus brewi*

*Eirmocrinus* spp.

Strimple, 1973c, p. 165, Fig. 1, nos. a-b. Webster, 1977, p. 75.

Pennsylvanian, Morrowan, House of Hess Conglomerate. United States,  
Arkansas

Holterhoff, 1996, p. 184, Fig. 3, no. C. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

**EKNOMOCRINUS** Guensburg and Sprinkle, 2003. *\*Eknomocrinus wahwahensis*  
Guensburg and Sprinkle, 2003.

Sbc. Camerata, O. ?Monobathrida, F. Eknomocrinidae

Guensburg and Sprinkle, 2003a p. 22.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Tremadocian species

Ordovician, early Tremadocian. United States, Utah

*\*Eknomocrinus wahwahensis* Guensburg and Sprinkle, 2003a, p. 22, Pl. 7, figs. 1-5;  
Fig. 10. Guensburg, 2012, p. 456, Fig. 1, no. D.

Ordovician, early Tremadocian, lower part of Fillmore Formation. United States,  
Utah

**EKTEINOCRINUS** Webster and Lane, 2007. *\*Ekteinocrinus battleshipensis* Webster  
and Lane, 2007.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Uncertain, F.  
Bridgerocrinidae

Webster and Lane, 2007, p. 957.

Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species

Permian, Artinskian. United States, Nevada

*\*Ekteinocrinus battleshipensis* Webster and Lane, 2007, p. 958, Fig. 2, nos. 1-3.

Genus and species unknown, species A Lane and Webster, 1966, p. 56, Pl. 9, fig. 7  
(crown). Webster, 1973, p. 274. Webster and Lane, 2007, p. 958.

Permian, Artinskian, upper part of Bird Spring Formation. United States, Nevada

**ELAEACRINIDARUM** Peetz, 1916. *\*E. miljukovi* Peetz, 1916.

Classification uncertain

Peetz, 1916, p. 15. Bassler, 1938, p. 93. Bassler and Moodey, 1943, p. 445.

Named, currently recognized species based on cups or crowns: 1 Mississippian  
species, series uncertain

Mississippian. Russia

*\*Elaeocrinidarum miljukovi* Peetz, 1916, p. 15, Pl. 1, figs. 4-6. Bassler, 1938, p. 93.

Bassler and Moodey, 1943, p. 445.

Mississippian. Russia

**ELASSOCRINUS** Webster and Lane, 2007. *\*Aesiocrinus delicatulus* Lane and  
Webster, 1966.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Uncertain, F. Aesiocrinidae  
Webster and Lane, 2007, p. 961, Fig. 5.

Named, currently recognized species based on cups or crowns: 4 Permian,  
Artinskian species  
Permian, Artinskian. United States, Nevada

*Elassocrinus cyathus* Webster and Lane, 2007, p. 961, Fig. 4, no. 10.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

\**Elassocrinus delicatulus* (Lane and Webster, 1966). Webster and Lane, 2007, p. 961.  
*Aesiocrinus delicatulus* Lane and Webster, 1966, p. 53, Pl. 7, fig. 6; Fig. 19. Lane  
and Webster, 1973, p. 40. Pabian and Rushlau, 2002, p. 32. Webster and Lane,  
2007, p. 961.  
Permian, Artinskian, upper part of Bird Spring Formation. United States, Nevada

*Elassocrinus inornatus* (Lane and Webster, 1966). Webster and Lane, 2007, p. 961.  
*Aesiocrinus inornatus* Lane and Webster, 1966, p. 53, Pl. 11, figs. 3, 6; Fig. 19.  
Webster, 1973, p. 40. Pabian and Rushlau, 2002, p. 32. Webster and Lane,  
2007, p. 961.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

*Elassocrinus nodosus* (Webster and Lane, 1967).  
*Aesiocrinus nodosus* Webster and Lane, 1967 (non Etheridge, 1892), p. 31, Pl. 6,  
fig. 5 (non fig. 6 as listed in plate explanation). Webster, 1973, p. 41. Pabian and  
Rushlau, 2002, p. 32. Webster and Lane, 2007, p. 961.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

**ELEGANTOCRINUS** Ausich and Kammer, 2009. \**Platycrinus hemisphaericus* Meek  
and Worthen, 1865.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, SPf. Platycrinitoidea, F.  
Platycrinidae

Ausich and Kammer, 2009, p. 709.

Named, currently recognized species based on cups or crowns: 10 Mississippian  
species, 2 Tournaisian, 1 Tournaisian – Viséan, 7 Viséan

Mississippian, Tournaisian – Viséan (early Kinderhookian early-late Osagean).  
United States

Mississippian, Ivorian. Belgium

Mississippian, Chadian. United Kingdom; Ireland

*Elegantocrinus externus* (Wright, 1956). Ausich and Kammer, 2009, p. 709.  
*Platycrinites externus* Wright, J., 1956b, p. 282, Pl. 71, figs. 1-5. Webster, 1973, p.  
212 Ausich and Kammer, 2006, p. 103.

*Pleurocrinus externus* (Wright, 1956). Ausich and Kammer, 2006, p. 103. Ausich  
and  
Kammer, 2009, p. 710.

Mississippian, Viséan. United Kingdom, Scotland

*Elegantocrinus granosus* (de Koninck and LeHon, 1854). Ausich and Kammer, 2009, p.

709.  
*Platycrinus granosus* de Koninck and Le Hon, 1854, p. 183, Pl. 6, figs. 6a-6c.  
 Bassler and Moodey, 1943, p. 621.  
*Platycrinites granosus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943,  
 p. 621.  
 Mississippian, Tournaisian (Ivorian). Belgium
- Elegantocrinus halli* (Shumard, 1866). Ausich and Kammer, 2009, p. 709.  
*Platycrinus halli* Shumard, 1866, p. 388. Shumard, 1868, p. 388. Wachsmuth and  
 Springer, 1885, Pl. 7, fig. 7. Miller, S. A., 1889, p. 271. Neumayr, 1889, p. 448,  
 Fig. 126. Keyes, 1894a, p. 201, Pl. 25, fig. 3. Zittel, 1895, p. 119, Fig. 229.  
 Wachsmuth and Springer, 1897, p. 662, Pl. 72, figs. 6a-7b. Weller, S., 1898c, p.  
 439. Wachsmuth *in* Zittel, 1900, p. 128, Fig. 229. Grabau and Shimer, 1910, p.  
 519, Fig. 1840. Bassler and Moodey, 1943, p. 621. Wolf, 1979, p. 151, Fig. 2,  
 no.  
 e. Webster, 1986, p. 255.  
*Platycrinites halli* (Shumard, 1866). Meek and Worthen, 1873, p. 454, Pl. 3, fig. 3.  
 Bassler and Moodey, 1943, p. 621. Laudon, 1973b, p. 31, Fig. 6. Webster,  
 1977, p. 138. Webster, 1986, p. 255. Ausich and Kammer, 2009, p. 710.  
*Platycrinus olla* Hall, 1861b (non de Koninck and Le Hon, 1854), p. 16. Shumard,  
 1868, p. 388. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 440. Bassler and  
 Moodey, 1943, p. 621.  
*Platycrinus planus?* Hall, 1858c, p. 533, Pl. 8, figs. 6a-6b. Weller, S., 1898c, p. 439.  
 Bassler and Moodey, 1943, p. 621.  
*Pleurocrinus halli* (Shumard, 1866). Donovan, 1997, p. 13, Fig. 4, no. B.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa, Missouri
- \**Elegantocrinus hemisphaericus* (Meek and Worthen, 1865). Ausich and Kammer,  
 2009, p. 709, Figs. 2.5-2.6. Meyer and Ausich, 2009, p. 7, Fig. 5, nos. I, L.  
*Platycrinus hemisphaericus* Meek and Worthen, 1865c, p. 162. Meek and Worthen,  
 1868c, p. 511, Pl. 20, figs. 2a-2b; Unnum. Fig. Meek and Worthen, 1869b, p.  
 446. Meek and Worthen, 1873, p. 506, Pl. 16, figs. a-c. White, C. A., 1882, p.  
 368, Pl. 41, fig. 1. Keyes, 1888, p. 234, Pl. 1, figs. 1-2. Wachsmuth and Springer,  
 1897, p. 703, Pl. 66, figs. 1a-1d. Weller, S., 1898c, p. 440. Clarke, 1909b, Pl. 6,  
 fig. 7. Grabau and Shimer, 1910, p. 520, Figs. 1806, no. a; 1842. Clarke 1921b,  
 p. 75, Fig. 63. Bassler and Moodey, 1943, p. 621.  
*Platycrinites hemisphaericus* (Meek and Worthen, 1865). Quenstedt, 1885, p. 951,  
 Pl. 76, figs. 12-15. Weller, S., 1898c, p. 440. Bassler and Moodey, 1943, p. 621.  
 Priest, 1972, p. 86, Fig. 4. Laudon, 1973b, p. 31, Fig. 6. Lane, N. G., 1973, p.  
 60, Figs. 16, 18, 20. Webster, 1973, p. 212. Webster, 1977, p. 138. Ubaghs *in*  
 Moore and Teichert, 1978, p. T169, Fig. 140, no. 3. Lane *in* Moore and Teichert,  
 1978, p. T346, Fig. 217, no. 4. Ausich, 1980a, p. 277, Tab. 2. Kammer, 1985b, p.  
 557, Fig. 2, no. 1. Webster, 1986, p. 255. Webster, 1988, p. 134. Meyer and  
 Ausich, 1992, p. 5, Fig. 5, nos. I-J. Baumiller and Ausich, 1996, p. 54, Fig. 9,  
 nos.  
 D, H. Ausich and Simms *in* Hess et al., 2000, p. 56, Fig. 63. Ausich, Goldstein,  
 and Yates, 2000, p. 1073, Fig. 2, no. 3. Ausich and Kammer, 2009, p. 709.

*Platycrinus hemisphericus* Meek and Worthen, 1865. Shumard, 1868, p. 388. Miller,

S. A., 1889, p. 271, Figs. 394-395. Lesley, 1889, p. 688, Fig. 1. Weller, S., 1898c, p. 440. Dacqué, 1921, p. 604, Fig. 287. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 9. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 21. Van Sant *in* Van Sant and Lane, 1964, p. 125, Pl. 8, figs. 9, 17; Figs. 17, no. 4; 19, nos. 1-2. Kammer and Ausich, 1987, p. 384, Fig. 3, nos. A-B. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, nos. I, L. Webster, 1993, p. 94.

Mississippian, Viséan (Osagean), Muldraugh Member, Borden Formation, Edwardsville Formation; Fort Payne Formation; New Providence Shale. United States, Indiana, Kentucky, Iowa

*Elegantocrinus insulsus* (Wright, 1956).

*Platycrinites insulsus* Wright, 1956b, p. 282, Pl. 72, figs. 13-16. Webster, 1973, p. 213 (incorrectly list as 1945b). Ausich and Kammer, 2006, p. 103.

*Pleurocrinus insulsus* (Wright, 1956). Ausich and Kammer, 2006, p. 103 (incorrectly cited as Wright, 1945).

*Platycrinites cf. granulatus* Miller, Wright, 1938a, p. 274, Pl. 10, figs. 13-14.

*Pleurocrinus insulus* (Wright, 1956). Ausich and Kammer, 2009, p. 710.

Mississippian, Viséan. United Kingdom, Scotland

*Elegantocrinus nodostriatus* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 709, Figs. 2.7-2.9.

*Platycrinus nodo-striatus* Wachsmuth and Springer, 1897, p. 698, Pls. 66, figs. 5a-5b; 70, figs. 3-4c. Weller, S., 1898c, p. 442.

*Platycrinus nodostriatus* Wachsmuth and Springer, 1897. Miller, S. A., 1897, p. 750. Bassler and Moodey, 1943, p. 623. Weller, S., 1898c, p. 442.

*Platycrinites nodostriatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 623. Brower, 1970, p. 524, Pl. 66, fig. 8; Fig. 86, no. C. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 138. Ausich and Kammer, 2009, p. 710.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Redwall Limestone, Thunder Springs Member of Mooney Falls Member. United States, Iowa, Arizona

*Elegantocrinus saffordi* (Hall, 1858). Ausich and Kammer, 2009, p. 709, Figs. 2.1-2.2.

*Platycrinus saffordi* (Troost, Ms.) Hall, 1858c, p. 634, Pl. 18, figs. 5-6. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Keyes, 1894a, p. 202, Pl. 25, fig. 1. Wachsmuth and Springer, 1897, p. 694, Pl. 68, figs. 1-3. Weller, S., 1898c, p. 445. Wood, E., 1909, p. 39, Pl. 15, fig. 10. Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 1990, p. 764.

*Platycrinites saffordi* (Hall, 1858). Bassler and Moodey, 1943, p. 626. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 19. Webster, 1973, p. 213. Webster, 1977, p. 139. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 317, no. 4. Webster, 1986, p. 255. Ausich and Kammer, 1990, p. 764, Figs. 6.4-6.6, 7.1-7.2. Webster, 1993, p. 95. Ausich *in* Hess et al., 1999 p. 147, Fig. 158. Kendrick, 2007, p. 346, Fig. 9, no. E. Ausich and Kammer, 2009, p. 709. Ausich, 2009, suppl. p. 41.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Keokuk

Limestone, Montrose Chert Member; lower part of Warsaw Formation; Edwardsville Formation; Ramp Creek Formation; Fort Payne Formation. United States, Iowa, Illinois, Indiana, Missouri, Kentucky, Tennessee

- Elegantocrinus springeri* (Weller, 1909). Ausich and Kammer, 2009, p. 709.  
*Platycrinus springeri* Weller, S., 1909, p. 281, Pl. 11, figs. 17-19. Bassler and Moodey, 1943, p. 627.  
*Platycrinites springeri* (Weller, 1909). Bassler and Moodey, 1943, p. 627. Ausich and Kammer, 2009, p. 710.  
 Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Missouri
- Elegantocrinus symmetricus* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 709, Figs. 2.3-2.4.  
*Platycrinus symmetricus* Wachsmuth and Springer, 1888, p. 348, Pl. 18, fig. 15. Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 15. Wachsmuth and Springer, 1889c, p. 272. Wachsmuth and Springer, 1890a, p. 186, Pl. 15, fig. 8. Wachsmuth and Springer, 1897, Pls. 3, fig. 16; 69, figs. 1a-1c. Weller, S., 1898c, p. 447. Girty, 1899, p. 515. Jackson, 1899, p. 128, Pl. 25, fig. 127. Steinmann, 1903, p. 174, Figs. 230, nos. A-B; 242, nos. A-B. Steinmann, 1907, p. 195, Fig. 277, nos. A- B. Wilson, 1916, p. 510, Pl. 3, figs. 13-14. Abel, 1920, p. 257, Fig. 398. Abel, 1924, p. 269, Fig. 398. Laudon and Beane, 1937, p. 249, Pl. 16, figs. 6-8. Bassler and Moodey, 1943, p. 628. Cuénot, 1948, p. 68, Fig. 90. Breimer, 1962a, p. 139, Fig. 32. Webster, 1973, p. 214.  
*Platycrinites symmetricus* (Wachsmuth and Springer, 1888). Bassler and Moodey, 1943, p. 628. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 26. Meyer, D. L. 1965, Fig. 1, no. B. Arendt and Hecker, 1964, p. 98, Fig. 136. Priest, 1973, p. 74, Fig. 10. McLead, 1973, p. 246, Pl. 2, fig. 2. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 214. Webster, 1977, p. 139. Ubaghs *in* Moore and Teichert, 1978, p. T79, Fig. 56, no. 1. Webster, 1986, p. 256. Williams, M. E., 1982, p. 20. Pl. 1. Webster, 1988, p. 135. Author unknown, 1989, cover, p. 1. Webster, 1993, p. 95. Ausich *in* Hess et al., 2000, p. 135, Fig. 142, no. C. Gahn and Baumiller, 2004, p. 19, Figs. 3, no. D; 5, nos. A-G. O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, nos. 8-9. Ausich and Kammer, 2009, p. 710.  
*Platycrinus agassizi* Wachsmuth and Springer, 1897, p. 669, Pl. 69, fig. 4. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 433. Laudon and Beane, 1937, p. 249. Bassler and Moodey, 1943, p. 628.  
*Platycrinus planus?* Wachsmuth and Springer, 1890a, p. 188, Pl. 16, fig. 8. Bassler and Moodey, 1943, p. 628.  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Le Grande Beds, Hampton Formation, Maynes Creek Member; Wassonville Cycle; Warsaw Limestone. United States, Iowa, Missouri
- Elegantocrinus westheadi* (Wright, 1942). Ausich and Kammer, 2009, p. 709.  
*Platycrinus westheadi* Wright, J., 1942, p. 269, Pl. 10, figs. 5-8. Wright, J., 1955b, p. 272. Webster, 1973, p. 214.

*Platycrinites westheadi* Wright, 1942, Wright, J., 1955b, p. 272, Pl. 72, figs. 17-20.  
Webster, 1973, p. 214. Ausich and Kammer, 2006, p. 103. Ausich and Kammer,  
2009, p. 70.

*Pleurocrinus westheadi* (Wright, 1942). Ausich and Kammer, 2006, p. 103. Ausich  
and Kammer, 2009, p. 710.

Mississippian, Viséan, C<sub>1</sub>. United Kingdom, Scotland

Elément du calice Waagen and Jahn, 1899 = Crotalocrinitidae gen. et sp. indet.

Eléments divers Waagen and Jahn, 1899 (part) = Disparida gen. et sp. ind.

Eléments divers isolés Waagen and Jahn, 1899 (part) = Crinoidearum ordo, fam., gen.  
et sp. ind.

Eléments divers isolés Waagen and Jahn, 1899, Pl. 78, fig. 3, nos. 1-2 (only) =  
indeterminable fossil. Prokop and Petr, 1990, p. 60. Webster, 1993, p. 54.  
Silurian, late Wenlockian, Liten Formation. Czech Republic

**ELIBATOCRINUS** Moore, 1940. \**E. leptocalyx* Moore, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Blothrocrinidae

Moore, 1940a, p. 35. Bassler and Moodey, 1943, p. 445. Moore and Laudon,  
1943b, p. 55. Moore and Laudon, 1944, p. 159. Arendt and Hecker, 1964, p. 88.  
Strimple and Moore, 1971a, p. 6. Strimple and Moore, 1971b, p. 14. Webster,  
1973, p. 120. Pabian and Strimple, 1974b, p. 38, Fig. 17, nos. 6-7. Webster,  
1977, p. 75. Moore and Strimple *in* Moore and Teichert, 1978, p. T650. Pabian  
and Strimple, 1985, p. 72. Webster, 1986, p. 136. Webster, 1988, p. 80. Pabian  
and Strimple, 1993, p. 38.

Named, currently recognized species based on cups or crowns: 7 species. 6  
Pennsylvanian, 1 Desmoinesian, 1 Missourian, 1 Missourian – Virgilian, 3  
Virgilian; 1 Permian, Artinskian

Pennsylvanian - Permian, Desmoinesian - Wolfcampian. United States

*Elibatocrinus catactus* Moore, 1940a, p. 43, Pl. 1, figs. 1a-1c. Bassler and Moodey,  
1943, p. 445. Moore and Laudon, 1944, p. 159, Pl. 57, fig. 25. Webster, 1973,  
p. 120.

Pennsylvanian, Virgilian, Oread Limestone, Toronto Limestone Member,  
Plattsmouth Limestone Member: United States, Kansas

*Elibatocrinus* sp. cf. *E. catactus* Moore, 1940. Pabian and Strimple, 1985, p. 72.  
Webster, 1988, p. 80.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States,  
Nebraska

*Elibatocrinus concinnulus* Moore, 1940a, p. 42, Pl. 1, fig. 8. Bassler and Moodey, 1943,  
p. 445.

Pennsylvanian, Virgilian, Stranger Formation, Vinland Shale. United States,  
Kansas

- Elibatocrinus elegans* Strimple and Moore, 1971a, p. 8, Pls. 1, figs. 3a-3b; 2, fig. 3; Figs. 3; 4, nos. 1a-1b. Webster, 1977, p. 75.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois
- Elibatocrinus elongatus* Webster and Lane, 1967, p. 16, Pl. 5, figs. 1-2. Webster, 1973, p. 120.  
*Elibatocrinus* sp. Lane and Webster, 1966, p. 30, Pl. 10, fig. 7. Webster, 1973, p. 120.  
Permian, Artinskian (middle Wolfcampian), upper part of Bird Spring Formation. United States, Nevada
- Elibatocrinus* sp. cf. *E. elongatus* Webster and Lane, 1967. Pabian and Strimple, 1974a, p. 308, Pl. 40, figs. 4-5; Fig. 1, no. C. Pabian and Strimple, 1974b, p. 38, Fig. 17, nos. 6-7. Webster, 1986, p. 136.  
Late Pennsylvanian - Early Permian, Virgilian - Wolfcampian, Ervine Creek Limestone; Red Eagle Formation, Bennet Shale Member. United States, Nebraska, Oklahoma
- Elibatocrinus hoodi* Strimple, 1961g, p. 132, Pl. 16, figs. 4-5; Fig. 23. Webster, 1973, p. 120.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma
- \**Elibatocrinus leptocalyx* Moore, 1940a, p. 36, Pl. 1, figs. 2-6; Figs. 1-3. Bassler and Moodey, 1943, p. 445. Moore and Laudon, 1944, p. 159, Pls. 57, fig. 28; 62, fig. 23. Webster, 1973, p. 120. Moore and Strimple *in* Moore and Teichert, 1978, p. T650, Fig. 425, no. 2. Webster, 1986, p. 136. Pabian and Strimple, 1993, p. 40, Fig. 16, nos. d-i.  
Pennsylvanian, Missourian, ?Virgilian, Stanton Limestone; Iola Limestone; Plattsburg Limestone; Stoner Limestone; South Bend Limestone. United States, Kansas
- Elibatocrinus* sp. cf. \**E. leptocalyx* Moore, 1940. Strimple and Moore, 1971b, p. 15, Fig. 10, no. 1. Webster, 1977, p. 75.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma
- Elibatocrinus notabilis* Moore, 1940a, p. 41, Pl. 1, figs. 7a-7b; Fig. 4a-4c. Bassler and Moodey, 1943, p. 445.  
Pennsylvanian, Virgilian, Plattsburg Limestone. United States, Kansas
- Elibatocrinus* sp. Lane and Webster, 1966 = *E. elongatus*
- Elibatocrinus* spp.  
White, E., 1964, Fig. 24. Webster, 1977, p. 76.  
Pennsylvanian. United States, Nebraska, Iowa  
Strimple, 1975e, p. 6, Fig. 4, no. 6. Webster, 1986, p. 136.



Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma  
 Pabian and Strimple, 1980b, p. 18, unfig. Webster, 1986, p. 136.  
 Pennsylvanian, Virgilian. United States, Iowa, Nebraska  
 Pabian and Strimple, 1993, p. 40, Fig. 16, nos. j-l.  
 Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas, Nebraska

*Elibatocrinus?* sp. Webster and Kues, 2006, p. 10, Figs. 4.37-4.38.  
 Pennsylvanian, Missourian?, Virgilian, Madera Group, upper white limestone, Jemez Spring Member. United States, New Mexico

*ELICRINUS* Prokop, 1973 = **CODIACRINUS**

*Elicrinus ornatus* Prokop, 1973 = *Codiocrinus ornatus*

*Elicrinus procerus* Prokop, 1973 = *Codiocrinus procerus*

*Elicrinus?* *weyeri* Webster et al., 2005 = ?*Codiocrinus weyeri*

*Elicrinus* sp. Hotchkiss, Prokop, and Petr, 1999, p. 330, Fig. 2, no. 10.  
 Devonian, Trebotov Limestone. Czech Republic

*ELIOCRINUS* Hauser, 2003 = **ELICRINUS**

*Eliocrinus ornatus* Prokop; Hauser, 2003 = *Elicrinus ornatus*

*Eliocrinus procerus* Prokop; Hauser, 2003 = *Elicrinus procerus*

**ELPASOCRINUS** Sprinkle and Wahlman, 1994. \**E. radiatus* Sprinkle and Wahlman, 1994, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Sprinkle and Wahlman, 1994, p. 331. Ausich, 1998b, p. 34. Webster and Maples, 2006, p. 191, Fig. 1, no. A.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Ordovician, Floian (middle Arenig). United States, Texas

\**Elpasocrinus radiatus* Sprinkle and Wahlman, 1994, p. 331, Figs. 6.1-6.5, 7.1-7.5.  
 Ordovician, Floian (middle Arenig), El Paso Group. United States, Texas

**ELPIDOCRINUS** Strimple, 1963. \**E. tholiformis* Strimple, 1963.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Elpidocrinidae

Strimple, 1963d, p. 77. Webster, 1973, p. 120. Frest and Strimple, 1977c, p. 147, Fig. 2. Ubaghs *in* Moore and Teichert, 1978, p. T427. Frest and Strimple, 1981, p. 649. Webster, 1986, p. 137. Webster, 1988, p. 80.

Named, currently recognized species based on cups or crowns: 2 Silurian, Ludlovian species

Silurian, Ludlovian. United States

*Elpidocrinus exiguus* Strimple, 1963 = *\*Pelidocrinus exiguus*

*\*Elpidocrinus tholiformis* Strimple, 1963d, p. 81, Pl. 5, figs. 4-7; Fig. 22. Webster, 1973, p. 121. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 393, no. 2. Frest and Strimple, 1981, p. 651, Pl. 1, figs. 1, 3-4, 6-8; Fig. 3, no. B. Webster, 1986, p. 137. Webster, 1988, p. 80. Broadhead, 1988, p. 119, Fig. 3. Clement and Broadhead, 1994, p. 47.

Silurian, Ludlovian, Henryhouse Formation; Decatur Limestone. United States, Oklahoma, Tennessee

*Elpidocrinus tuberosus* Strimple, 1963d, p. 78, Pl. 4, figs. 4-7; Fig. 21, nos. b-c. Webster, 1973, p. 121. Frest and Strimple, 1981, p. 651, Pl. 2, figs. 6-8, 10; Fig. 3, no. A. Webster, 1988, p. 81.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Elpidocrinus tuberosus* Strimple, 1963 (pars) = *Pelidocrinus* sp.

**EMBOLOCRINUS** Webster and Becker, 2009. *\*Embolocrinus quadruus* Webster and Becker, 2009.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F. ?Amabilicrinidae

Webster and Becker, 2009, p. 143.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, late Frasnian. Morocco

*\*Embolocrinus quadruus* Webster and Becker, 2009, p. 143, Fig. 4, nos. K-O.

Devonian, late Frasnian, *Carinoceras* Beds, Anou Smaira Formation. Morocco

**EMBRYOCRINUS** Wanner, 1916. *\*E. hanieli* Wanner, 1916.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae

Wanner, 1916, p. 130. Wanner, 1924, p. 141. Wanner, 1929, p. 30. Springer, 1926, p. 94. Bassler, 1938, p. 93. Bassler and Moodey, 1943, p. 445. Moore and Laudon, 1943b, p. 50. Yakovlev, 1947d, p. 44, Fig. 8. Branson, C. C., 1948, p. 192. Cuénot, 1948, p. 64. Yakovlev, 1956a, p. 80, Fig. 28. Yakovlev, 1958, p. 65, Fig. 28. Yakovlev, 1964a, p. 75, Fig. 30. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Figs. 4-5. Arendt, 1968a, p. 101, Fig. 5. Arendt, 1970a, p. 148. Arendt, 1971a, p. 172. Webster, 1973, p. 121. Webster, 1977, p. 76. Lane and Moore *in* Moore and Teichert, 1978, p. T596. Lane, N. G., 1979, p. 129. Smith, A. B., 1985, p. 172. Webster, 1986, p. 137. Sevastopulo and Lane, 1988,

p. 249. Broadhead, 1988, p. 121, Fig. 7, no. B. Webster, 1988, p. 81. Webster, 1993, p. 54.

Named, currently recognized species based on cups or crowns: 2 Permian species, 1 Artinskian, Wordian, 1 series uncertain

Permian, Artinskian. Russia

Permian, Wordian. Tunisia

Permian, series uncertain. West Timor

**EMBRYOCRINUS** Hudson, 1918 (*non* Wanner, 1916) = **DENDROCRINUS**

*Embryocrinus bashkiricus* Arendt, 1970a, p. 150, Pl. 7, figs. 4-6; Fig. 38. Webster, 1977, p. 76.

Permian, late Artinskian, Kladokhonusoviy Limestone. Russia, Priurals

\**Embryocrinus hanieli* Wanner, 1916, p. 131, Pl. 111 (16), figs. 13-16; Figs. 37, 39. Wanner, 1920, p. 23, Figs. 5, 14, 17. Wanner, 1929, p. 66, Pls. 3, figs. 17-18; 4, figs. 3-5; 5, figs. 1-2; Figs. 9-11. Wanner, 1937, p. 136; Fig. 38. Bassler, 1938, p. 93. Bassler and Moodey, 1943, p. 445. Branson, C. C., 1948, p. 192. Cuénot, 1948, p. 64, Fig. 83, nos. 2-3. Ubaghs, 1953, p. 672, Figs. 10, nos. b, i.

Yakovlev,

1964b, p. 56, Fig. 53, no. b. Arendt, 1968a, p. 100, fig. 1, no. a. Arendt, 1970a, p. 156, Pl. 9, figs. 1-3; Fig. 37. Arendt, 1971a, p. 170, Fig. 13. Webster, 1973, p. 121. Webster, 1977, p. 76. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Figs. 384, no. 7; 385, no. 6; 389, no. 38. Smith, A. B., 1985, p. 172, Pl. 7.4.39. Webster, 1986, p. 137. Webster, 1988, p. 81. Ausich et al. *in* Hess et al., 1999 p. 22, Fig. 35, no. b.

Permian, series uncertain, Basleo Beds. West Timor

*Embryocrinus sulcatus* Wanner, 1916 = *Tenagocrinus sulcatus*

*Embryocrinus problematicus* Hudson, 1918 = *Dendrocrinus problematicus*

*Embryocrinus variabilis* Arendt, 1970a, p. 151, Pls. 7, figs. 7-10; 8, figs. 1-13. Arendt, 1971a, p. 172, Figs. 7-12. Webster, 1977, p. 76. Lane, N. G., 1979, p. 129, Pl. 1, figs. 1-2. Webster, 1986, p. 137.

Permian, Artinskian, Sargin Horizon. Russia, Priurals

Permian, Wordian. Tunisia

**EMPEROCRINUS** Miller and Gurley, 1895. \**E. indianensis* Miller and Gurley, 1895.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Emperocrinidae

Miller and Gurley, 1895a, p. 42. Miller, S. A., 1897, p. 744. Bather *in* Lankester, 1900, p. 202. Bassler, 1915, p. 476. Bassler, 1938, p. 94. Bassler and Moodey, 1943, p. 445. Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 185. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 121. Ubaghs *in* Moore and Teichert, 1978, p. T427. Frest and Strimple, 1981, p. 642. Webster, 1986, p. 137. Webster, 1988, p. 81.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species

Silurian, Wenlockian. United States

\**Emperocrinus indianensis* Miller and Gurley, 1895a, p. 43, Pl. 4, figs. 16-17. Miller, S. A., 1897, p. 744, Figs. 1347-1349. Bassler, 1915, p. 476. Springer, 1926, p. 23, Pl. 4, figs. 7-7a. Bassler, 1938, p. 94. Bassler and Moodey, 1943, p. 445. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 14. Webster, 1973, p. 121. Ubaghs *in* Moore and Teichert, 1978, p. T427, Fig. 235, no. 2. Frest and Strimple, 1981, p. 642, Fig. 3, no. F. Webster, 1986, p. 137. Webster, 1988, p. 81.

Silurian, Wenlockian, Salamonie Dolomite, Laurel Member. United States, Indiana

Empreinte des bras et du pourtour d'un calice de Crinoïde indéterminé Termier, G. and Termier, H., 1950, p. 224, Pl. 220, fig. 1 (crown). Webster, 1973, p. 273.  
Ordovician: Morocco

**ENALLOCRINUS** d'Orbigny, 1849. \**Apiocrinites scriptus* Hisinger, 1828.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae  
d'Orbigny, 1849, p. 46. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 46. Pictet, 1857, p. 320. Dujardin and Hupé, 1862, p. 134. Bigsby, 1868, p. 19. Zittel, 1880, p. 343, 356. Wachsmuth and Springer, 1886, p. 150 (74). Wachsmuth and Springer 1889b, p. 387. Zittel, 1895, p. 133. Wachsmuth *in* Zittel, 1900, p. 150. Springer, 1913, p. 216. Bassler, 1938, p. 94. Bassler and Moodey, 1943, p. 446. Moore and Laudon, 1943b, p. 50. Bouska, 1950, p. 12, Fig. 1. Ubaghs, 1953, p. 750. Arendt and Hecker, 1964, p. 84. Webster, 1973, p. 121. Lane and Moore *in* Moore and Teichert, 1978, p. T592. Webster, 1986, p. 137.

*APIOCRINITES* Hisinger, 1828 (*non* Miller, 1821), p. 217. \**A. scriptus* Hisinger, 1828. Bassler, 1938, p. 43.

Named, currently recognized species based on cups or crowns: 2 Silurian, Wenlockian species

Silurian, Wenlockian. Sweden, United Kingdom

*Enallocrinus assulosus* Angelin, 1878, p. 26, Pl. 15, figs. 1-4. Wachsmuth and Springer, 1889b, p. 388. Bassler and Moodey, 1943, p. 446.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Enallocrinus punctatus* Hisinger, 1828 = *Enallocrinus scriptus* = *Pleuroptyx punctatus*

\**Enallocrinus scriptus* (Hisinger, 1828).. Pictet, 1857, p. 321, Pl. 100, fig. 21.  
Bigsby,

1868, p. 19. Angelin, 1878, p. 25, Pls. 7, fig. 2; 27, figs. 17, 19--20a only.

Wanner, 1933, p. 504, Figs. 54, nos. 1-2. Bassler and Moodey, 1943, p. 446.

Lane and Moore *in* Moore and Teichert, 1978, p. T592, Fig. 377, no. 1. Webster, 1986, p. 137. Donovan et al., 2008a, p. 43, Fig. 9, no. A.

*Apiocrinites scriptus* Hisinger, 1828, p. 217, Pl. 5, figs. 9-10. Hisinger, 1837, p. 89, Pl. 25, fig. 1. Dujardin and Hupé, 1862, p. 134. Bassler and Moodey, 1943, p. 446.

*Apiocrinus scriptus* (Hisinger, 1828). Bassler, 1938, p. 43.

*Apiocrinites? scriptus* (Hisinger, 1828). Bassler, 1938, p. 94.

*Apiocrinites punctatus* Hisinger, 1828, p. 217, Pl. 7, fig. 1. Quenstedt, 1885, p. 944, Pl. 75, fig. 6. Bassler and Moodey, 1943, p. 446.  
Silurian, Wenlockian, Much Wenlock Limestone Formation. Europe, Sweden, United Kingdom

*Enallocrinus scriptus* (Hisinger, 1828) (part) = *Pleuroptyx punctatus*

**ENASCOCRINUS** Strimple and Watkins, 1969. \**Talanterocrinus redsdalensis* Wright, 1952.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Synerocrinidae  
Strimple and Watkins, 1969, p. 231. Strimple and Moore, 1971a, p. 42. Webster, 1977, p. 76. Moore in Moore and Teichert, 1978, p. T775, Figs. 506, no. 12d; 108, no. 4b. Webster, 1986, p. 138. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 55.

Named, currently recognized species based on cups or crowns: 1 Mississippian Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Enascocrinus redsdalensis* (Wright, 1952). Strimple and Watkins, 1969, p. 231.

Webster, 1977, p. 76. Moore in Moore and Teichert, 1978, p. T775, Figs. 514, no. 1; 515, no. 2. Webster, 1986, p. 138.

*Talanterocrinus redsdalensis* Wright, J., 1952b, p. 320, Pl. 13, figs. 1-3, 7; Figs. 1-2, Wright, J., 1954a, p. 154, Pl. 42, figs. 3, 6-7, 11; Figs. 85-89. Strimple and Watkins, 1969, p. 227. Webster, 1973, p. 252. Webster, 1977, p. 76.  
Mississippian, Viséan (D<sub>1</sub>), Calciferous Sandstone Series. United Kingdom, Scotland

Encrinal heads Emmons, 1855, p. 222, Pl. 18, figs. 1-2 (diagramatic).

*Encrinite* Owen and Norwood, 1847 = *Zeacrinites magnoliaeformis*

**ENCRINITES** of authors. The following citations are fragments of Paleozoic crinoids that have been referred to *Encrinites*, an invalid generic name.

*Encrinites armatus* Schlotheim, 1822-1823, p. 98, Pl. 26, fig. 7a. Schlotheim, 1832, p. 25, Pl. 26, fig. 7. Bassler and Moodey, 1943, p. 446.  
Silurian. United Kingdom

*Encrinites armatus* Schlotheim, 1822-1823 = *Platycrinites tuberculatus*

*Encrinites crassus* Schlotheim, 1882 = *Poteriocrinites crassus*

*Encrinites (Pentacrinites) dubius* Quenstedt, 1835 = *Actinocrinites laevis*

*Encrinites dubius* Schlotheim, 1822-1823, p. 100, Pl. 28, figs. 2a-2h.  
Mississippian, Mountain Limestone. United Kingdom

- Encrinites echinatus* Schlotheim, 1822-1823, p. 96, Pl. 25, figs. 6a-6b (Basal circlets of a platycrinid, GDW).  
Mississippian. United Kingdom
- Encrinites echidnoides* Schlotheim, 1820 = *Rhodocrinites verus*
- Encrinites echinoides major* Schlotheim, 1820, p. 333. Bassler and Moodey, 1943, p. 447.  
Silurian. Sweden, Isle of Gotland
- Encrinites echinoides minor* Schlotheim, 1820, p. 333. Bassler and Moodey, 1943, p. 447.  
Devonian, Eifelian. Germany
- Encrinites epithonius* Schlotheim, 1820, p. 337. Bassler and Moodey, 1943, p. 447.  
Devonian. Germany
- Encrinites flexilis* Hisinger, 1823, p. 88, Pl. 3. Bassler and Moodey, 1943, p. 447.  
Silurian?. Sweden
- Encrinites glomeratus* Couch, 1855 = *Cyathocrinus glomeratus*
- Encrinites gotlandicus* Wahlenberg, 1820, p. 24. Bassler and Moodey, 1943, p. 447.  
Silurian. Sweden, Isle of Gotland
- Encrinites grafii* Schlotheim, 1832, p. 26, Pl. 28, figs. 7a-7e. Bassler and Moodey, 1943, p. 447.  
Devonian. Germany
- Encrinites granulatus* Schlotheim, 1823 = *Platycrinites* s.l. *granulatus*
- Encrinites humilis* Waagen and Jahn, 1899 = *Beyrichiocrinus humilis*
- Encrinites inexplicatus* Waagen and Jahn, 1899 = *Eucalyptocrinites inexplicatus*
- Encrinites laetus* Waagen and Jahn, 1899 = Crinoidearum ordo, fam., gen. et sp. ind.
- Encrinites laevis* (Miller, 1821) = *Platycrinites* s.s. *laevis*
- Encrinites laso* Waagen and Jahn, 1899 (part) = Crinoidearum ordo, fam., gen. et sp. ind.
- Encrinites laso* Waagen and Jahn, 1899 (part) = ?Crinoidearum ordo, fam., gen. et sp. ind.
- Encrinites loricatus* Schlotheim, 1820 = *Sampsonocrinus loricatus* = *Thinocrinus loricatus*

*Encrinites loricatus* Schlotheim, 1820 (part) = *Thinocrinus loricatus*

*Encrinites loricatus* Schlotheim; Schlotheim, 1823 (part) = *Dialutocrinus milleri*

*Encrinites loricatus* Schlotheim; Schlotheim, 1823 (part) = *Dialutocrinus polydactylus*

*Encrinites medullus* Barrande in Waagen and Jahn, 1899, p. 148, Pls. 70, figs. 17-20; 79, case 20, fig. 4 (cited as *Entrochus medullus* p. 148). Bassler and Moodey, 1943, p. 447.

Silurian. Czech Republic, Bohemia

*Encrinites moniliformis* Fischer de Waldheim, 1830 = *Synerocrinus incurvus*

*Encrinites moniliformis* Fischer de Waldheim, 1837 = *Platycrinites tuberculatus*

?*Encrinites nodulose* Fischer de Waldeim, 1811 = *Actinocrinites tricontadactylus*

?*Encrinites nodulosa* Fischer de Waldeim, 1811 = *Actinocrinites tricontadactylus*

*Encrinites ovatus* Schlotheim, 1832 = *Platycrinites rugosus*

*Encrinites pentacrinoide* Schlotheim, 1822-1823 = *Parisocrinus quinquangularis*

*Encrinites pentangularis* (Miller, 1821) = \**Dimorphicrinus pentangularis*

*Encrinites pentangularis* Schlotheim, 1822-1823, p. 97, Pl. 26, figs. 5a-5d (a blastoid, GDW).

Mississippian, Transition Limestone. United Kingdom

*Encrinites planus* Miller; Schlotheim, 1822 = *Cyathocrinites planus*

*Encrinites planus* Schlotheim, 1823 = *Cyathocrinites planus*

*Encrinites planus* (Schlotheim, 1823). Howse, p. 259.

Permian. United Kingdom, Northumberland, Durham.

*Encrinites polydactylus* Miller, 1821 = *Actinocrinites polydactylus* = *Dialutocrinus polydactylus*

*Encrinites pulverens* Waagen and Jahn, 1899 = *Bohemicocrinus pulverens*

*Encrinites punctata* Fischer de Waldheim, 1811, p. 22, Pl. 1, fig. 1. Fischer de Waldheim, 1830, Pl. 40, figs. 1, 2. Bassler and Moodey, 1943, p. 449.

Carboniferous. Russia

*Encrinites punctatus* Schlotheim, 1820 = \**Crotalocrinites rugosus*

- Encrinites punctatus* Fischer de Waldheim, 1830 = *Platycrinites tuberculatus*
- Encrinites ramosus* Schlotheim, 1816-1817 = *Cyathocrinites? ramosus*
- Encrinites ramosus major* Schlotheim, 1820 = *Cyathocrinites? ramosus*
- Encrinites rhodocrinites* Schlotheim, 1823 = *Rhodocrinites verus*
- Encrinites stoloniferus* Fischer de Waldheim, 1830 = *Synerocrinus incurvus*
- Encrinites striatus* (Miller, 1821) = *Platycrinus striatus* = *Platycrinites* s.l. *striatus*
- Encrinites tectus* Waagen and Jahn, 1899 (part) = *Scyphocrinites elegans*
- Encrinites tectus* Waagen and Jahn, 1899 (part) = *Scyphocrinites* sp.
- Encrinites tenuis* Schlotheim, 1823 = *Scytalocrinus tenuis*
- Encrinites tesseratus* Schlotheim, 1820, p. 339. Bassler and Moodey, 1943, p. 449.  
Devonian. Belgium, Eifel
- ?*Encrinites tesseratus* (Goldfuss, 1831) = *Cupressocrinites tesseratus* = *Halocrinites tesserulus*
- Encrinites textus* Barrande in Waagen and Jahn, 1899, p. 132, Pl. 65, figs. 16-21 (arms and brachials). Bassler and Moodey, 1943, p. 449.  
Silurian. Czech Republic, Bohemia
- Encrinites triciclus* Goldring, 1923 = *Encrinus tricyclus*
- Encrinites tuberculatus* Schlotheim, 1832 = *Pleurocrinus tuberculatus*
- Encrinites verrucosus* Schlotheim, 1820 = *Crotalocrinites rugosus*
- Encrinites verrucosus* variet *punctata* Schlotheim, 1820 = *Crotalocrinites rugosus*
- Encrinites verrucosus* variet *verrucosa* Schlotheim, 1820 = *Crotalocrinites rugosus*
- Encrinites verucosus* variet *verucosa* Schlotheim, 1820 = *Crotalocrinites rugosus*
- Encrinites* sp. Cumberland, 1820 = *Phacelocrinus longidactylus*
- Encrinites* sp. Schlotheim, 1832 = *Platycrinites* sp
- Encrinites?* sp. Schlotheim, 1932, p. 26, Pl. 28, figs. 4a-4c.  
Mississippian. no locality given



Encrinit-knopp Hisinger, 1828, p. 332, Pl. 7, fig. 2. (Basal circlet and proximal columnals)  
Silurian, Wenlockian. Sweden, Isle of Gotland

Encrinit-knopp Hisinger, 1828, p. 332, Pl. 7, fig. 3. (Basal plate)  
Silurian, Wenlockian. Sweden, Isle of Gotland

Encrinit-krona Hisinger, 1828, p. 332, Pl. 7, fig. 1  
Silurian, Wenlockian. Sweden, Isle of Gotland

*ENCRINUS* of authors. The following citations are fragments of Paleozoic crinoids that do not belong to the Triassic genus *Encrinus*.

*Encrinus* Cumberland, 1821 (part) = *Platycrinites* s.s. *laevis*

*Encrinus* Cumberland, 1821 (part) = *Poteriocrinites crassus*

?*Encrinus* Cumberland, 1821 = *Dialutocrinus polydactylus* = *Platycrinites* s.s. *laevis*

*Encrinus dubius* Schlotheim, 1823 = *Actinocrinites laevis*

*Encrinus equicyclus* Eaton, 1832b, Pl. 1, fig. 7. Bassler and Moodey, 1943, p. 450.  
Devonian. United States, New York

*Encrinus giganteus* Eaton, 1832a, p. 135. Eaton, 1832b, p. 37, Pl. 1, fig. 8. Bassler and Moodey, 1943, p. 45.  
Devonian. United States, New York

*Encrinus interruptus* Eaton, 1832a, p. 135. Eaton, 1832b, p. 37, Pl. 1, fig. 9. Bassler and Moodey, 1943, p. 450.  
Devonian. United States, New York

*Encrinus teretiformis* Eaton, 1832a, p. 135. Eaton, 1832b, p. 37, Pl. 1, fig. 12. Bassler and Moodey, 1943, p. 450.  
Devonian. United States, New York

*Encrinus townsendi* Koenig, 1825 = *Cupressocrinus townsendi* = *Cupressocrinites townsendi* = *Abbreviatocrinites townsendi* = *Halocrinites townsendi*

*Encrinus tricyclus* Eaton, 1832a, p. 135. Eaton, 1832b, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 450.  
*Encrinites triciclas* Goldring, 1923, p. 148. Bassler and Moodey, 1943, p. 450.  
Devonian. United States, New York

*Encrinus* sp. Capeller, Epistola, and Klein, 1740 = *Abacocrinus capelleri*

*Encrinus* sp. Cumberland, 1821 (part) = *Scaphiocrinus longidactylus* = *Phacelocrinus longidactylus*

*Encrinus* sp. Cumberland, 1821 (part) = *Blothrocrinus* s.s. *longidactylus*

*Encrinus* sp. Cumberland, 1821 (part) = *Poteriocrinites spissus*

*Encrinus* sp. Cumberland, 1821 (part) = *Scytalocrinus tenuis*

*Encrinus* sp. Cumberland, 1821 (part) = *Gilbertsocrinus stellaris*

*Encrinus* sp. Cumberland, 1821, p. 88, Pl. 2, fig. 1. (cross-section)  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 88, Pl. 2, fig. 2.  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 88, Pl. 2, fig. 3. (anal tube)  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 89, Pl. 2, figs. 4-6.  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 89, Pl. 2, fig. 7.  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 90, Pl. 2, fig. 8.  
Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 90, Pl. 3, fig. 1.  
Devonian or Mississippian?. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 90, Pl. 3, fig. 2.  
Devonian or Mississippian?. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 91, Pl. 4, figs. 1-2.  
Devonian or Mississippian?. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 91, Pl. 4, fig. 3.  
Devonian or Mississippian. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 91, Pl. 4, figs. 6-7.  
Mississippian?, Magnesian Sandstone. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 91, Pl. 4, figs. 8-11.  
Mississippian? Magnesian Sandstone. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 92, Pl. 5, fig. 1.

Mississippian?. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 93, Pl. 5, figs. 2-3.  
Mississippian?. United Kingdom

*Encrinus* sp. Cumberland, 1821, p. 93, Pl. 5, figs. 8-10.  
Mississippian?. United Kingdom

*Encrinus* sp. Ure, 1793 = *Amphicrinus scoticus*

*Encrinus* sp. Whitehurst, 1786 = *Ichthyocrinus pyriformis*

**ENDELOCRINUS** Moore and Plummer, 1940 = **DELOCRINUS**  
**See note under *Delocrinus*.**

**ENDELOCRINUS** Moore and Plummer, 1940. \**Eupachycrinus fayettensis*

Worthen *in*

Meek and Worthen, 1873.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
Catacrinidae

Moore and Plummer, 1940, p. 257. Bassler and Moodey, 1943, p. 450. Moore and  
Laudon, 1943b, p. 60. Moore and Laudon, 1944, p. 173. Yakovlev, 1947b, p.  
749, Fig. 2. Yakovlev, 1947d, p. 45, Fig. 12. Branson, C. C., 1948, p. 192.  
Yakovlev, 1956a, p. 82, Fig. 32. Yakovlev, 1958, p. 67, Fig. 32. Yakovlev, 1964a,  
p. 76, Fig. 34. Arendt and Hecker, 1964, p. 90. Knapp, 1969, p. 366. Strimple  
and Moore, 1971a, p. 12. Strimple and Moore, 1971d, p. 22. Priest, 1972, p. 85,  
Unnum. Fig. p. 88. Moore and Strimple, 1973, p. 67. Webster, 1973, p. 121.  
Pabian and Strimple, 1974a, p. 278. Webster, 1977, p. 76. Moore, Strimple, and  
Lane *in* Moore and Teichert, 1978, p. T717. Pabian and Strimple, 1980a, p. 173.  
Pabian and Strimple, 1985, p. 40. Bowsher and Strimple, 1986, p. 17. Webster,  
1986, p. 138. Webster, 1988, p. 81. Pabian and Strimple, 1993, p. 20. Webster,  
1993, p. 55.

**CORYTHOCRINUS** Strimple, 1961g (*non* Kirk, 1946), p. 128. Webster and Lane,  
1967, p. 24. Webster, 1973, p. 121.

Named, currently recognized species based on cups or crowns: 11 species, 1  
subspecies. 8 Pennsylvanian, 1 Morrow, 1 Atokan - Desmoinesian, 1  
Desmoinesian, 3 Missourian (+1 subspecies), 1 Missourian – Virgilian, 1  
Virgilian; 3 Permian, 1 Sakmarian, 2 Wolfcampian.

Pennsylvanian - Early Permian, Atokan - Wolfcampian. United States

Permian, Sakmarian. Bolivia

*Endelocrinus allegheniensis* (Burke, 1932) = *Tholiacrinus allegheniensis* =  
*Graffhamicrinus allegheniensis*

*Endelocrinus* cf. *allegheniensis* (Burke, 1932). Pabian and Strimple, 1974a, p. 279,  
Pl. 34, figs. 12-14. Webster, 1986, p. 138.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone. United  
States, Nebraska

*Endelocrinus* sp. cf. *E. allegheniensis* (Burke, 1932). Pabian and Strimple, 1974b, p. 32. Pabian and Strimple, 1980b, p. 9, Pl. 2, figs. 11-12. Webster, 1986, p. 138. Pennsylvanian, Virgilian, Oread Formation, Plattsmouth Limestone Member; Lecompton Formation, Doniphan Shale; Ervine Creek Limestone. United States, Nebraska, Iowa

*Endelocrinus armatura* (Strimple, 1949) = *Graffhamicrinus armatura*

*Endelocrinus bifidus* Moore and Plummer, 1940 = *Corythocrinus bifidus* = *Tholiacrinus bifidus* = *Graffhamicrinus bifidus*

*Endelocrinus bransoni* Strimple, 1962 = *Tholiacrinus bransoni* = *Graffhamicrinus bransoni*

\**Endelocrinus fayettensis* (Worthen, 1873). Moore and Plummer, 1940, p. 254, Pls. 2, fig. 7; 16, figs. 2-3; Fig. 62. Bassler and Moodey, 1943, p. 450. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 20; 65, fig. 4. Knapp, 1969, p. 366, Fig. 23. Strimple and Moore, 1971d, p. 22. Webster, 1973, p. 121. Webster, 1977, p. 77. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 470, no. 3a. Webster, 1986, p. 138.

*Eupachycrinus fayettensis* Worthen *in* Meek and Worthen, 1873, p. 565, Pl. 24, fig. 10. Miller, S. A., 1889, p. 245. Miller, S. A., 1892a, p. 678. Weller, S., 1898c, p. 171. Bassler and Moodey, 1943, p. 450.

*Delocrinus fayettensis* (Worthen, 1873). Miller and Gurley, 1890a, p. 11. Miller and Gurley, 1890b, p. 11. Miller, S. A., 1892a, p. 677. Bassler and Moodey, 1943, p. 451.

*Ceriocrinus fayettensis* (Worthen, 1873). Weller, S., 1898c, p. 171. Pennsylvanian, Missourian. United States, Illinois

*Endelocrinus globularus* Webster and Kues, 2006, p. 18, Figs. 4.25-4.28. Pennsylvanian, Atokan, Flechado Formation. United States, New Mexico

*Endelocrinus grafordensis* Moore and Plummer, 1940 = *Tholiacrinus grafordensis* *Graffhamicrinus grafordensis*

*Endelocrinus kieri* Burke, 1966 = *Tholiacrinus kieri* = *Graffhamicrinus kieri*

*Endelocrinus matheri* (Moore and Plummer, 1937) = *Paradelocrinus matheri*

*Endelocrinus mitis* Moore and Plummer, 1940 = *Tholiacrinus mitis* = *Graffhamicrinus mitis*

*Endelocrinus murrsvillensis* Burke, 1967a, p. 75, Figs. 1-2. Webster, 1973, p. 122. Pennsylvanian, Missourian, Brush Creek Limestone. United States, Pennsylvania

*Endelocrinus parinodosarius* (Strimple, 1940) = *Graffhamicrinus parindosarius*

*Endelocrinus parvus* Moore and Plummer, 1940 = *Endelocrinus tumidus*

*Endelocrinus pennsylvanicus* Burke, 1970 = *Graffhamicrinus pennsylvanicus*

*Endelocrinus perasper* Bowsher and Strimple, 1986, p. 17, Figs. 45, nos. a-e; 65, nos. a-l. (**Note**, Explanation for Fig. 45 given as a-d; on Fig. 45 there are two figures labeled d, the basal view should be labeled e to correspond to the explanation. GDW). Webster, 1993, p. 55.  
Pennsylvanian, Desmoinesian?, Goble Formation. United States, New Mexico

*Endelocrinus petalosus* Strimple, 1949c, p. 24, Pl. 6, figs. 1-4. Strimple, 1960b, p. 154, Fig. 2, no. 1. Webster, 1973, p. 122.  
Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas

*Endelocrinus rectus* Moore and Plummer, 1940 = *Corythocrinus rectus* = *Tholiacrinus rectus* = *Graffhamicrinus rectus*

*Endelocrinus rimulatus* (Strimple, 1962) = *Graffhamicrinus rimulatus*

*Endelocrinus rotundus* Strimple, 1963a, p. 71, Pl. 12, figs. 5-8. Webster, 1973, p. 122. Pabian and Strimple, 1974a, p. 311. Webster, 1986, p. 138.  
Permian, Wolfcampian, Falls City Limestone; Winfield Formation, Grant Shale Member. United States, Kansas

*Endelocrinus* sp. cf. *E. rotundus* Strimple, 1963. Pabian and Strimple, 1974b, p. 22, Fig. 8, nos. 8-10. Webster, 1986, p. 139.  
Pennsylvanian, Virgilian, Coal Creek Limestone. United States, Nebraska

*Endelocrinus solus* Webster and Lane, 1970, p. 288, Pl. 57, figs. 22-25. Webster, 1977, p. 77. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 470, nos. 3e-3h. Webster, 1986, p. 139. Webster and Elliott, 2004, p. 82, Figs. 4.6-4.10.  
Pennsylvanian, Morrowan, Bird Spring Formation. United States, Nevada  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Endelocrinus texanus* (Weller, 1909) = *Metarrectocrinus texanus* = *Arrectocrinus texanus*

*Endelocrinus titicara* (Strimple and Moore, 1971). Burke, 1975, p. 2.  
*Delocrinus titicara* Strimple and Moore, 1971e, p. 33, Figs. 14; 15, nos. 1-3.  
Webster, 1977, p. 66. Burke, 1975, p. 2.  
Permian, late Sakmarian, Copacabana Group. Bolivia

*Endelocrinus torus* Webster and Lane, 1967, p. 24, Pl. 4, figs. 4-6; Fig. 4, no. 3.  
Webster, 1973, p. 122.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

- Endelocrinus transitorius* Strimple and Moore, 1971d, p. 22, Fig. 8, nos. 5-7. Webster, 1977, p. 77.  
Pennsylvanian, Missourian, Lane Shale. United States, Kansas
- Endelocrinus tumidus* (Strimple, 1939). Moore and Plummer, 1940, p. 255. Bassler and Moodey, 1943, p. 451. Strimple, 1950a, p. 112. Knapp, 1969, p. 367. Strimple and Moore, 1971a, p. 14, Pl. 2, fig. 2. Webster, 1973, p. 122. Pabian and Strimple, 1974a, p. 278, Pl. 32, figs. 9-10. Webster, 1977, p. 77. Pabian and Strimple, 1980b, p. 9, Pl. 2, fig. 13. Webster, 1986, p. 139. Pabian and Strimple, 1993, p. 22, Fig. 9, nos. g-l.
- Delocrinus tumidus* Strimple, 1939a, p. 368, Pl. 2, figs. 1-8. Bassler and Moodey, 1943, p. 451.
- Tholiacrinus tumidus* (Strimple, 1939). Knapp, 1969, p. 367. Webster, 1977, p. 77.
- Endelocrinus parvus* Moore and Plummer, 1940, p. 303, Pl. 14, figs. 1-2; Fig. 63. Bassler and Moodey, 1943, p. 451. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 1. Strimple *in* Strimple and Moore, 1971a, p. 14. Webster, 1973, p. 122. Webster, 1977, p. 77.  
Pennsylvanian, Missourian - Virgilian, Mineral Wells Formation; Stanton Limestone; Dennis Limestone; Oread Formation, Plattsburg Limestone Member; Beil Limestone; Cass Formation, Haskell Limestone Member; Stranger Formation; Topeka Formation, Curzon Limestone Member; Howard Limestone, Church Member; Bond Formation, LaSalle Limestone Member; South Bend Limestone. United States, Texas, Kansas, Oklahoma, Illinois, Nebraska, Iowa
- Endelocrinus tumidus spinosus* Strimple, 1950a, p. 112. Strimple and Moore, 1971a, p. 14, Pl. 3, fig. 7. Webster, 1973, p. 122. Pabian and Strimple, 1974a, p. 279, Pl. 37, figs. 4-5. Webster, 1977, p. 77. Webster, 1986, p. 139. Ausich *in* Hess et al., 1999 p. 159, Fig. 172.
- Delocrinus tumidus* Strimple, 1939 (part, Pl. 2, figs. 1-4 only). Strimple, 1950a, p. 112. Webster, 1973, p. 122.  
Pennsylvanian, Missourian, Stanton Limestone; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois
- Endelocrinus* sp. cf. *E. tumidus spinosus* Strimple, 1950. Pabian and Strimple, 1985, p. 40, Fig. 18, nos. e-k. Webster, 1988, p. 81.  
Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas
- Endelocrinus undulatus* (Strimple, 1961) = *Graffhamicrinus undulatus*
- Endelocrinus* spp.  
Webster and Lane, 1967, p. 25, Pl. 6, figs. 1-2. Webster, 1973, p. 123.  
Permian, Wolfcampian, Bird Spring Formation. United States, Nevada  
Webster and Lane, 1970, p. 289, Pl. 57, figs. 16, 21. Webster, 1977, p. 78.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Endelocrinus?* sp. indet. Hashimoto, 1984, p. 19, Pl. 8, figs. 3a-3c; Fig. 6, nos. 2a-2b.  
Webster, 1993, p. 55.

Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan

**ENGONIARTHURUM** Moore, 1939. *Nomen vetitum* \**E. granulosum* Moore, 1939.  
Moore, 1939b, p. 222. Jeffords in Moore and Teichert, 1978, p. T936. (radials)  
Named, currently recognized species based on cups or crowns: 2 Pennsylvanian  
species, 1 Desmoinesian, 1 Missourian  
Pennsylvanian, Desmoinesian - Missourian. United States, Kansas, Oklahoma

\**Engoniarthrum granulosum* Moore, 1939b, p. 222, Pl. 3, figs. 2-2c.  
Pennsylvanian, Missourian, Plattsburg Limestone, Hickory Creek Shale Member.  
United States, Kansas

*Engoniarthrum lineatum* Moore, 1939b, p. 224, Pls. 2, figs. 5-6; 3, figs. 3-4.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Enallocrinus* (sic) *punctatus* Hisinger, 1828 = *Pleuroptyx punctatus*

*Entrochites tetradactylus* Pusch, 1837 = *Entrochus tetradactylus*

**ENTROCHUS** Agricola, 1546  
Bather in Lankester, 1900, p. 202. Bassler and Moodey, 1943, p. 451.  
Paleozoic

**Note.** Species listed below are indeterminate fragments of Paleozoic crinoids that do  
not belong to the genus *Entrochus*.

*Entrochus primus* Waagen and Jahn, 1899 = *Ramseyocrinus?* *primus*

*Entrochus tetradactylus* (Pusch, 1837). Bassler and Moodey, 1943, p. 453.  
*Entrochites tetradactylus* Pusch, 1837, p. 8, Pl. 2, figs. 8a-8e. Bassler and Moodey,  
1943, p. 453.  
Devonian. Poland

**EOCICEROCRINUS** Donovan, 1989. \**E. sevastopuloi* Donovan, 1989.  
Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae  
Donovan, 1989d, p. 69. Webster, 1993, p. 55.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
species  
Ordovician, Katian, (Ashgillian). United Kingdom, Scotland

\**Eocicerocrinus sevastopuloi* Donovan, 1989d, p. 69, Pls. 7, fig. 7; 13, figs. 5, 8, 10;  
Figs. 13, no. D; 24. Webster, 1993, p. 55. Donovan, 1994, p. 16, Fig. 5, no. A.  
Donovan, 1996a, p. 198, Fig. 4, no. a. Donovan, Paul, and Lewis, 1996, p. 207,  
Pl. 37, fig. 2. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. e-f.

Heterocrinid? Donovan, 1986d, p. 29, Fig. 13, no. D (only). Donovan, 1989d, p. 69. Webster, 1993, p. 55. Donovan, 1994, p. 16, Fig. 5, no. A. Donovan, Sutton, and Sigwart, 2011, p. 459, Fig. 6, no. E.  
Ordovician, Katian, (Ashgillian), Slade Stage, Ladyburn Starfish Bed. United Kingdom, Scotland

*EOCRINITES* Jaekel, 1899, p. 174. Bassler, 1938, p. 94 (hypothetical genus or group).

**EODIMEROCRINITES** Donovan and Gilmour, 2003. \**Eodimerocrinites littlewoodi* Donovan in Donovan and Gilmour, 2003.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Donovan and Gilmour, 2002, p. 156.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian, (Ashgillian), Lady Burn Starfish Beds. United Kingdom, Scotland

\**Eodimerocrinites littlewoodi* Donovan in Donovan and Gilmour, 2003, p. 156, Figs. 1, nos. A, C; 2, nos. A, C; 3. Donovan, Sutton, and Sigwart, p. 460, Fig. 9.

Ordovician, Katian, (Ashgillian), Lady Burn Starfish Beds. United Kingdom, Scotland

**EOHALYSIOCRINUS** Prokop, 1970. \**E. convexus* Prokop, 1970.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Prokop, 1970a, p. 97. Webster, 1977, p. 78. Moore and Lane in Moore and Teichert, 1978, p. T532. Brett, 1981a, p. 161. Ausich, 1984a, p. 1183. Webster, 1986, p. 139. Webster, 1988, p. 81. Webster, 1993, p. 55. Harvey and Ausich, 1997, p. 302. Hauser, 1997, p. 91, Fig. 26. Hauser, 2008, p. 24, Figs. 43.

**DOLEROCRINUS** Prick, 1983, p. 230 \**D. fritschi* Prick, 1983. Webster, 1988, p. 79. Harvey and Ausich, 1997, p. 303. Ausich, 1998b, p. 27 (recognizes genus)

Named, currently recognized species based on cups or crowns: 9 species. 1

Silurian, Niagaran; 8 Devonian, 2 Pragian, 3 Emsian, 3 Eifelian

Silurian, Niagaran. United States

Devonian, Emsian - Eifelian. France, Czech Republic, Germany

*Eohalysiocrinus bolastensis* Le Menn, 1985, p. 68, Pl. 12, fig. 9, Fig. 25. Webster, 1988, p. 81.

Devonian, late Emsian, Bolast Formation. France, Armorican Massif

\**Eohalysiocrinus convexus* Prokop, 1970a, p. 99, Pls. 8, figs. 1-9; 10, figs. 1-2; Figs. 9, 12-13. Webster, 1977, p. 78. Moore and Lane in Moore and Teichert, 1978, p. T532, Fig. 326, no. 6. Le Menn and Prokop, 1980, p. 247, Pl. 1, figs. 5-9. Brett, 1981a, p. 162. Le Menn, 1985, p. 67, Pl. 12, figs. 2-6. Webster, 1986, p. 139.

Webster, 1988, p. 81. Prokop and Petr, 1990, Pl. 10, figs. 3-5. Webster, 1993, p. 56. Hauser, 2008, p. 24, Pl. 17, fig. 9; Figs. 42, 44. early Sandbian

Devonian, early Emsian, Zlichov Limestone; late Emsian, Beg an Arreun Formation.

Czech Republic, Bohemia; France, Armorican Massif



- Eohalysiocrinus cylindricus* Prokop, 1970a, p. 105, Pls. 12, figs. 7-9; 13, figs. 1-5; 10, 12-13. Webster, 1977, p. 78.  
Devonian, Eifelian, Trebotov Limestone. Czech Republic, Bohemia
- Eohalysiocrinus fritschi* (Prick, 1983). Hauser, 1997, p. 91, Pls. 1, figs. 3-8; 2, fig. 1. Hauser, 2008, p. 25, Pls. 12, fig. 7; 14, fig. 3; 17, fig. 2; Fig. 45.  
*Dolerocrinus fritschi* Prick, 1983, p. 230, Figs. 2-6. Webster, 1988, p. 79. Hauser, 1997, p. 91.  
Calceocriniden? Sieverts-Doreck, 1953. Hauser, 1997, p. 91.  
*Symbathocrinus tabulatus* Schultze, 1866. Hauser, 1997, p. 91.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member, Bohnert Member; ?Ahabach Formation, Hallert Member. Germany, Eifel
- Eohalysiocrinus cf. fritschi* (Prick, 1983). Hauser, 1997, Pl. 2, fig. 1. Hauser, 2008, Pl. 14, fig. 4.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany
- Eohalysiocrinus holynensis* Prokop, 1970a, p. 107, Pl. 12, figs. 6-10; Figs. 12-13. Webster, 1977, p. 78.  
Devonian, Eifelian, Trebotov Limestone. Czech Republic, Bohemia
- Eohalysiocrinus latus* Prokop, 1970a, p. 101, Pls. 9, figs. 3-8; 10, figs. 1-5; 11, figs. 1-3; Figs. 12-13. Webster, 1977, p. 78. Le Menn and Prokop, 1980, p. 247, Pl. 1, figs. 3-4. Le Menn, 1985, p. 67, Pl. 12, figs. 7-8. Webster, 1986, p. 139.  
Webster, 1988, p. 81.  
Devonian, late Emsian, Beg an Arreun Formation; Zlichov Limestone. France, Armorican Massif; Czech Republic, Bohemia
- Eohalysiocrinus reticulatus* Prokop, 1970a, p. 104, Pl. 12, figs. 1-6; Figs. 12-13. Webster, 1977, p. 78.  
Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic, Bohemia
- Eohalysiocrinus tuberosus* Prokop, 1970a, p. 102, Pl. 11, figs. 4-9; Figs. 12-13. Webster, 1977, p. 78.  
Devonian, Pragian, Reporyje Limestone. Czech Republic, Bohemia
- Eohalysiocrinus? typus* (Ringueberg, 1889). Brett, 1981a, p. 162, Pls. 3, figs. 1-8; 4, figs. 1-6; Figs. 3-4. Webster, 1988, p. 82. Brower, 1990, p. 301, Figs. 5; 7, nos. 21-22. Webster, 1993, p. 56.  
*Calceocrinus typus* Ringueberg, 1889, p. 402, Pl. 10, fig. 8. Bather, 1893a, p. 66. Miller, S. A., 1897, p. 740. Springer, 1926a, p. 118, Pl. 29, figs. 17-17a. Bassler and Moodey, 1943, p. 347. Ausich, 1981a, p. 162. Webster, 1988, p. 82.  
*Synchirocrinus? typus* (Ringueberg, 1889). Moore, 1962a, p. 27. Webster, 1973, p. 251. Brett, 1978b, p. 220, Fig. 5, no. A. Ausich, 1981, p. 162. Webster, 1986, p. 297. Webster, 1988, p. 82.

*Calceocrinus bidentatus* Ringuéberg, 1889, p. 404, Pl. 10, fig. 10. Miller, S. A., 1897, p. 740. Bassler, 1915, p. 156. Bassler and Moodey, 1943, p. 345. Ausich, 1981a, p. 162. Webster, 1988, p. 82.

*Calceocrinus tucanus* Bather, 1893a, p. 86, Pl. 3, figs. 105-107. Delage and Herouard, 1903, p. 379, Fig. 451. Moore, 1962a, p. 27. Webster, 1973, p. 251.

*Synchirocrinus tucanus* (Bather, 1893). Moore, 1962, p. 27, Pl. 2, fig. 6. Webster, 1973, p. 251.

Silurian, Niagaran, Rochester Shale. United States, New York; Canada, Ontario

*Eohalysiocrinus* n. sp. A Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation. United States, Tennessee

*Eohalysiocrinus* n. sp. B Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation. United States, Tennessee

*Eohalysiocrinus* sp. Hotchkiss, Prokop, and Petr, 1999, p. 330, Fig. 2, no. 5.

Early Devonian, Trebotov Limestone. Czech Republic

**EOINDOCRINUS** Arendt, 1981. \**E. praerimosus* Arendt, 1981.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Arendt, 1981, p. 53. Webster, 1988, p. 82. Webster, 1993, p. 56.

Named, currently recognized species based on cups or crowns: 2 Permian, Artinskian species

Permian, Artinskian. Russia, Australia

*Eoindocrinus praecontignatus* Arendt, 1981, p. 53, Pls. 18, figs. 1-6; 19, figs. 1-3; Figs. 15, nos. a-m; 25, no. v. Webster, 1988, p. 82. Webster, 1990, p. 64, Pl. 2, figs.

4-

5. Webster, 1993, p. 56. Webster and Jell, 1999b, p. 309, Fig. 12, nos. A-B.

Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

Permian, late Artinskian, latest Artinskian or earliest Roadian, Wandagee

Formation; Condamine Beds: Australia, Western Australia, Queensland

\**Eoindocrinus praerimosus* Arendt, 1981, p. 55, Pls. 15, fig. 1; 16, figs. 1-2; 17, figs. 1-2; Figs. 16, nos. a-i; 25, no. b. Webster, 1988, p. 82.

Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

**EOMYELODACTYLUS** Foerste, 1919. \**Myelodactylus* (*Eomelodactylus*)

*rotundatus* Foerste, 1919.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Myelodactylidae

Foerste, 1919, p. 19. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 567.

Moore, 1962b, p. 43. Webster, 1973, p. 123. Moore and Lane in Moore and

Teichert, 1978, p. T552. Webster, 1986, p. 139. Eckert, 1990, p. 136. Webster,

1993, p. 56. Eckert and Brett, 2001, p. 38. Ausich and Copper, 2010, p. 69.

**MACNAMARATYLUS** Bolton, T. E., 1970, p. 64. \**M. murrayi* Bolton, 1970.

Webster, 1977, p. 107.

Named, currently recognized species based on cups or crowns: 7 Silurian species. 1

6 Llandoveryan, 1 Niagaran  
Silurian, Llandoveryan - Niagaran. North America

*Eomyelodactylus donovani* Ausich and Copper, 2010, p. 72, Pl. 13, figs. 4, 7-9.

Silurian, Llandoveryan, Gun River Formation, Macgilvray, Lachute, and Sandtop Members. Canada, Quebec. Anticosti Island

*Eomyelodactylus forestei* Ausich and Copper, 2010, p. 71, Pl. 13, fig. 3.

Silurian, Llandoveryan, Jupiter Formation, Goéland, East Point, Cybèle, and Ferrum Members. Canada, Quebec, Anticosti Island

*Eomyelodactylus murrayi* (Bolton, 1970). Eckert, 1990, p. 140, Figs. 2, no. 5; 3; 4; 5, nos. 1, 7, 9-14. Webster, 1993, p. 56.

*Macnamaratylus murrayi* Bolton, T. E., 1970, p. 64, Pl. 13, figs. 1, 4, 6, 10. Bolton and Copeland, 1972a, p. 9, Pl. 8, fig. 15. Webster, 1977, p. 107. Eckert, 1990, p. 140. Webster, 1993, p. 56.

Silurian, Niagaran, Thornloe Formation. Canada, Ontario

\**Eomyelodactylus rotundatus* (Foerste, 1919). Moore, 1962b, p. 43, Pl. 4, fig. 1.

Webster, 1973, p. 123. Moore and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 344, no. 4. Webster, 1986, p. 139. Eckert, 1990, p. 137, Figs. 2, no. 1; 5, no. 2. Webster, 1993, p. 56.

*Myelodactylus (Eomyelodactylus) rotundatus* Foerste, 1919, p. 19, Pls. 1, fig. 8; 2, fig. 3. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 569.

*Myelodactylus rotundatus* Foerste, 1919. Springer, 1926a, p. 16. Bassler and Moodey, 1943, p. 569.

Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

*Eomyelodactylus sparteus* Eckert, 1990, p. 137, Figs. 1, no. 1; 2, nos. 2-4; 5, nos. 8, 16, 19. Webster, 1993, p. 56. Ausich and Copper, 2010, p. 70, Pl. 13, fig. 5.

Early Silurian, Llandoveryan, Reynales Formation, Hickory Corners Member. United States, New York

Silurian, Llandoveryan, Jupitere Formation, Goéland, Richardson and Cybèle Members. Canada, Quebec, Anticosti Island

*Eomyelodactylus springeri* Ausich and Copper, 2010, p. 72, Pl. 13, figs. 6, 10.

Silurian, Llandoveryan, Jupiter Formation, Goéland Member. Canada, Quebec, Anticosti island

*Eomyelodactylus uniformis* Eckert, 1990, p. 138, Figs. 2, no. 6; 5, nos. 6, 15, 17-18.

Webster, 1993, p. 56.

Early Silurian, Llandoveryan, Reynales Formation, Wallington Member. United States, New York

*Eomyelodactylus* spp. Ausich and Copper, 2010, p. 70, Pls. 8, fig. 3; 13, fig. 1.

Ordovician, Katian, Vauréal Formation; Silurian, Llandoveryan, Becscie Formation, Fox Piont Member. Canada, Quebec, Anticosti Island

**EOPARISOCRINUS** Ausich, 1986. \**Parisocrinus siluricus* Springer, 1926.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
 Ausich, 1986c, p. 729. Webster, 1993, p. 56. Brower, 1995, p. 351. Ausich, 1998b,  
 p. 34.

Named, currently recognized species based on cups or crowns: 5 species. 4

Ordovician, Katian; 1 Silurian, Llandoveryan

Ordovician, Katian (Trentonian); Middle Silurian, Llandoveryan. North America

*Eoparisocrinus crossmani* Brower, 1995, p. 352, Figs. 1-5.

Dendrocrinid n. gen. n. sp. Kolata, Brower, and Frest, 1987. Brower, 1995, p. 352.

*Carabocrinus* sp. A. Kolata, Brower, and Frest, 1987. Brower, 1995, p. 352.

Ordovician, Katian, Galena Group, Dunleith Formation, Rivoli Member. United  
 States, Minnesota, Iowa

*Eoparisocrinus grandei* Brower, 1995, p. 357, Fig. 6.

*Carabocrinus* sp. B Kolata, Brower, and Frest, 1987. Brower, 1995, p. 357.

Ordovician, Katian, Galena Group, Dunleith Formation, Sherwood Member.  
 United States, Iowa

*Eoparisocrinus mulletensis* (Haugh, 1979). Ausich, 1986c, p. 730. Webster, 1993, p. 56.

*Parisocrinus mulletensis* Haugh, 1979. Ausich, 1986c, p. 729. Webster, 1993, p. 56.

Ordovician, Katian, (Ashgillian), Georgian Bay Formation. Canada, Ontario

*Eoparisocrinus obconicus* (Billings, 1885). Ausich, 1986c, p. 730. Donovan, 1992a, p. 152. Webster, 1993, p. 56.

*Euspirocrinus obconicus* Billings, W. R., 1885, p. 249, Unnum. Pl. and figs. Miller,  
 S. A., 1889, p. 246, Figs. 306-307. Bassler, 1915, p. 526. Bassler and Moodey,  
 1943, p. 473. Wilson, A. E., 1946, p. 40. Webster, 1973, p. 129. Ausich, 1986c,  
 p. 730. Webster, 1993, p. 56.

Ordovician, Katian, (Trentonian), Cobourg Formation, Sherman Fall Formation or  
 Hull Formation. Canada, Ontario, Quebec

\**Eoparisocrinus siluricus* (Springer, 1926). Ausich, 1986c, p. 730, Figs. 2, nos. 5-9; 9.

Webster, 1993, p. 56. Ausich et al. *in* Hess et al., 1999 p. 18, Fig. 28. Webster  
 and Maples, 2008, p. 201, Fig. 10.1, no. 1.

*Parisocrinus siluricus* Springer, 1926a, p. 13, Pl. 31, figs. 8-8a. Ausich, 1986c, p.  
 729. Webster, 1993, p. 56.

Silurian, early Llandoveryan, Brassfield Formation. United States, Ohio

**EOPATELLIOCRINUS** Brower, 1973. \**E. scyphogracilis* Brower, 1973.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F.  
 Patelliocrinidae

Brower, 1973, p. 333. Webster, 1977, p. 78. Ubaghs *in* Moore and Teichert, 1978,  
 p. T507. Webster, 1986, p. 139. Brower, 1994, p. 585. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 3 Ordovician  
 species, 1 Katian, 2 Hirnantian

Ordovician, Katian – Hirnantian (Champlainian – Cincinnati). United States

*Eopatelliocrinus latibrachiatus* Brower, 1973, p. 333, Pl. 61; Figs. 6, nos. c-d; 8; 12, no. g. Brower, 1974b, p. 26, Fig. 15, nos. 4, 7. Webster, 1977, p. 78. Brower *in* Moore and Teichert, 1978, p. T249, Fig. 196, no. 1. Webster, 1986, p. 140.

Ordovician, Hirnantian (Cincinnati), Girardeau Limestone. United States, Missouri, Illinois

*Eopatelliocrinus ornatus* (Billings, 1857). Brower, 1994, p. 585, Figs. 16-17.

*Glyptocrinus ornatus* Billings, E., 1857a, p. 260. Billings, E., 1859a, p. 60, Pl. 9, fig. 2a. Shumard, 1868, p. 373. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 248. Wachsmuth and Springer, 1897, p. 274, Pl. 20, figs. 6a-6b. Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 657. Brower, 1973, p. 403, Fig. 28. Brower, 1976, p. 676, Fig. 6, no. A. Webster, 1977, p. 91. Brower, 1978, p. 43, Figs. 2-3, 5. Kolata, 1982, p. 203. Webster, 1986, p. 158. Webster, 1988, p. 27. Simms, 1990, p. 196, Fig. 8.1 (diagramatic). Brower, 1994, p. 585. Sloan, 2005, p. 153, Fig. 4-61, no. 9.

*Pycnocrinus ornatus* (Billings, 1857). Bassler and Moodey, 1943, p. 657. Wilson, A. E., 1946, p. 29. Webster, 1973, p. 227. Webster, 1988, p. 27. Brower, 1994, p. 585.

*Abludoglyptocrinus ornatus* (Billings, 1857). Kolata, 1982, p. 203. Webster, 1988, p. 27. Brower, 1994, p. 585.

*Glyptocrinus* sp. aff. *G. ornatus* Billings, 1857. Brower, 1994, p. 585.

*Abludoglyptocrinus* sp. B Kolata, Brower, and Frest, 1987. Brower, 1994, p. 585.

Ordovician, Katian (Champlainian), Hull Limestone, Cobourg Limestone; Galena Group, Dunleith Formation, Sherwood Member, Chatfield Member, Sinsinawa Member. Canada, Ontario; United States, Iowa, Minnesota

\**Eopatelliocrinus scyphogracilis* Brower, 1973, p. 333, Pls. 59-60; Figs. 6, nos. a-b; 7; 11, no. g. Brower, 1974b, p. 15, Figs. 8, nos. 1-5; 15, nos. 5-6. Webster, 1977, p. 78. Ubaghs *in* Moore and Teichert, 1978, p. T119, T507, Figs. 92, nos. 1-3; 310, no. 1. Brower *in* Moore and Teichert, 1978, p. T255, Fig. 202, nos. 1-5. Webster, 1986, p. 140.

Ordovician, Hirnantian (Cincinnati), Girardeau Limestone. United States, Missouri, Illinois

**EOPETALOCRINUS** Li, 1993. \**E. sinensis* Li, 1993.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Petalocrinidae  
Li, 1993, p. 274.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darriwilian species

Ordovician, Darriwilian (Llandeilian). China

\**Eopetalocrinus sinensis* Li, 1993, p. 275, Pl. 1, figs. 1-4; Fig. 2.

Ordovician, Darriwilian (Llandeilian), Dawan Formation. Chian, Hubei

**EOPILIDIOCRINUS** Arendt, 1981. \**Pilidiocrinus heckeri* Arendt, 1970.

Sbc. Disparida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Pilidiocrinidae  
 Arendt, 1981, p. 100. Webster, 1988, p. 82.  
 Named, currently recognized species based on cups or crowns: 1 Permian,  
 Artinskian species  
 Permian, Artinskian. Russia, Ural Mountains

\**Eopilidiocrinus heckeri* (Arendt, 1970). Arendt, 1981, p. 100. Webster, 1988, p. 82.  
*Pilidiocrinus heckeri* Arendt, 1970a, p. 185, Pl. 15, figs. 1-20. Webster, 1977, p.  
 135. Ubaghs in Moore and Teichert, 1978, p. T94, Fig. 70, nos. 10-11  
 (misspelled as *P. hackeri* on figure explanation). Arendt, 1981, p. 100.  
 Webster, 1986, p. 250. Webster, 1988, p. 82.  
 Permian, late Artinskian, Sargin Horizon. Russia, Ural Mountains

**EOPINNACRINUS** Brower and Veinus, 1982. \**E. pinnulatus* Brower and Veinus,  
 1982.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinoidea, F.  
 Metabolocrinidae  
 Brower and Veinus, 1982, p. 138. Webster, 1988, p. 82. Ausich, 1998b, p. 34.  
 Named, currently recognized species based on cups or crowns: 1 Ordovician,  
 Sandbian species  
 Ordovician, Sandbian (Champlainian). United States, Oklahoma

\**Eopinnacrinus pinnulatus* Brower and Veinus, 1982, p. 141, Pls. 9, figs. 1, 4-5; 11,  
 figs. 1-7; Fig. 44. Webster, 1988, p. 82.  
 Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake  
 Member. United States, Oklahoma

**EPACTOCRINUS** Müller 1855 = **GASTEROCOMA**

*Epactocrinus antiqua* Quenstedt, 1876 = *Gasterocoma antiqua*

*Epactocrinus irregularis* Zeiler and Wirtgen, 1855 = *Gasterocoma irregularis*

**EPERISOCRINUS** Burke, 1977. \**Delocrinus missouriensis* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
 Erisocrinidae  
 Burke, 1977, p. 174. Pabian and Strimple, 1980a, p. 117. Webster, 1986, p. 140.  
 Webster and Maples, 2006, p. 193, Fig. 4, no. C.  
 Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
 Missourian species  
 Pennsylvanian, Missourian. United States, Missouri

\**Eperisocrinus missouriensis* (Miller and Gurley, 1890). Burke, 1977, p. 175, Figs. 1-4.  
 Pabian and Strimple, 1980a, p. 177, Figs. 9, nos. K-N. Webster, 1986, p. 140.  
*Delocrinus missouriensis* Miller and Gurley, 1890a, p. 14, Pl. 2, figs. 11-13. Miller  
 and Gurley, 1890b, p. 14, Pl. 2, figs. 11-13. Miller and Gurley, 1890c, p. 336, pl.  
 2, figs. 11-13. Miller, S. A., 1892a, p. 677. Weller, S., 1898c, p. 172. Bassler and  
 Moodey, 1943, p. 411. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 24; 65, fig.

14. Knapp, 1969, p. 365. Webster, 1973, p. 101. Burke, 1977, p. 175. Webster, 1977, p. 66. Webster, 1986, p. 140.

*Catacrinus missouriensis* (Miller and Gurley, 1890). Knapp, 1969, p. 365.

Webster, 1977, p. 66.

*Ceriocrinus missouriensis* (Miller and Gurley, 1890). Weller, S., 1898c, p. 172.

Pennsylvanian, Missourian, Kansas City Group, Wyandotte Formation, Argentine Limestone Member. United States, Missouri

**EPIACROCRINUS** Arendt, 1995. \**E. crassus* Arendt, 1995.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Arendt, 1995a, p. 68. Arendt, 1995b, p. 82.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Moscovian, 1 Kassimovian

Pennsylvanian, Moscovian - Kassimovian. Russia

\**Epiacrocrinus crassus* Arendt, 1995a, p. 69, Pl. 5, figs. 3a-4b; Fig. 3. Arendt, 1995b, p. 84, Pl. 5, figs. 3a-4b; Fig. 3.

Pennsylvanian, Moscovian, Myachkovo Horizon, Peski Beds. Russia, Moscow Basin

*Epiacrocrinus? hexagonus* Arendt, 1995a, p. 71, Pl. 6, fig. 4; Fig. 5. Arendt, 1995b, p. 86, Pl. 6, figs. 4a-4c; Fig. 5.

Pennsylvanian, Kassimovian. Russia, Moscow Basin

*Epiacrocrinus pirogovae* Arendt, 1995a, p. 70, Pl. 5, figs. 1-3; Fig. 4, nos. a-c. Arendt, 1995b, p. 85, Pl. 6, figs. 1-3; Fig. 3, nos. a-c.

Pennsylvanian, Moscovian, Myachkovo Horizon, Novlenskoye Beds. Russia, Moscow Basin

**EPIHALYSIOCRINUS** Arendt, 1965. \**Halysiocrinus? tuberculatus* Yakovlev, 1927.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Arendt, 1965a, p. 90. Webster, 1973, p. 123. Moore and Lane *in* Moore and

Teichert, 1978, p. T532. Arendt, 1981, p. 101. Webster, 1986, p. 140. Webster, 1988, p. 82. Harvey and Ausich, 1997, p. 301.

Named, currently recognized species based on cups or crowns: 2 species, 1

Pennsylvanian, Bashkirian, 1 Permian, Artinskian species

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Permian, Artinskian. Russia, Ural Mountains

*Epihalysiocrinus absheniensis* Webster et al., 2011, p. 26, Fig. 6, nos. r-t.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

\**Epihalysiocrinus tuberculatus* (Yakovlev, 1927). Arendt, 1965a, p. 91, Pl. 10, figs. 1-9; Fig. 1. Webster, 1973, p. 123. Moore and Lane *in* Moore and Teichert, 1978, p.

532, Fig. 326, no. 1. Arendt, 1981, p. 102, Pl. 32, figs. 7-8. Webster, 1986, p.

140. Webster, 1988, p. 82.

*Halysiocrinus? tuberculatus* Yakovlev, 1927b, p. 188, Pl. 6a, figs. 18-18b. Bassler and Moodey, 1943, p. 501. Branson, C. C., 1948, p. 195. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 54, Pl. 9, fig. 11. Arendt and Hecker, 1964, p. 80, Pl. 8, fig. 2. Webster, 1973, p. 145.

Permian, late Artinskian, Sargin Horizon. Russia, Krasnoufimsk

*Epihalysiocrinus* n. sp. Webster et al., 2001, p. 111, Pl. 2, figs. D-E.  
Pennsylvanian, Bashkirian, Sardar Formation. Eastern Iran

**EPIPETSCHORACRINUS** Yakovlev *in* Yakovlev and Ivanov, 1956. \**E. borealis*  
Yakovlev *in* Yakovlev and Ivanov, 1956.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Agassizocrinidae

Yakovlev *in* Yakovlev and Ivanov, 1956, p. 81. Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 123. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T682. Etensohn, 1984, p. 66, Fig. 1. Webster, 1986, p. 140. Webster, 1988, p. 82.

Named, currently recognized species based on cups or crowns: 1 Early Permian series undesignated

Early Permian, series not designated. Russia

\**Epipetschoracrinus borealis* Yakovlev *in* Yakovlev and Ivanov, 1956, p. 81, Pl. 15, fig. 16. Arendt and Hecker, 1964, p. 91, Pl. 13, fig. 6. Webster, 1973, p. 123. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T682, Fig. 450, no. 3. Webster, 1986, p. 140.

Early Permian, series not designated. Russia, Arctic Urals

**ERATOCRINUS** Kirk, 1938. \**Zeacrinus elegans* Hall, 1858.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinitidae

Kirk, 1938, p. 165. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 454. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 165. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 123. Webster, 1977, p. 78. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748. Webster, 1986, p. 140. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 57. Kammer and Ausich, 1994, p. 343.

Named, currently recognized species based on cups or crowns: 11

Mississippian species, 1 Tournaisian, 10 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian). United States

*Eratocrinus blairi* (Miller and Gurley, 1895) = *Eratocrinus commaticus*

*Eratocrinus commaticus* (Miller, 1892). Kirk, 1938, p. 165. Bassler and Moodey, 1943, p. 454. Moore and Laudon, 1944, p. 165, Pl. 61, fig. 3. Moore, 1962b, Fig. 14, no. 6. Webster, 1973, p. 123. Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 159, no. 4. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 495, nos. 2c-2d. Webster, 1986, p. 141. Kammer and Ausich, 1994, p. 343, Figs. 3.18-3.21.



*Zeacrinus commaticus* Miller, S. A., 1891b, p. 36, Pl. 5, figs. 10-11. Miller, S. A., 1892a, p. 683. Miller, S. A., 1892b, p. 654, Pl. 8, fig. 8. Weller, S., 1898c, p. 650. Springer, 1926b, p. 65, Pl. 22, figs. 1-3a; Fig. 2. Bassler and Moodey, 1943, p. 454.

*Zeacrinus blairi* Miller and Gurley, 1895b, p. 66, Pl. 4, figs. 5-6. Weller, S., 1898c, p. 650. Bassler and Moodey, 1943, p. 45. Kammer and Ausich, 1994, p. 343.

*Eratocrinus blairi* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 454. Kammer and Ausich, 1994, p. 343.

Mississippian, Viséan, early Meramecian, upper part of Warsaw Formation. United States, Missouri

*Eratocrinus coxanus* (Worthen, 1882). Kirk, 1938, p. 165. Bassler and Moodey, 1943, p. 454. Kammer and Ausich, 1994, p. 343, Figs. 3.15-3.17.

*Zeacrinus coxanus* Worthen, 1882, p. 27. Worthen, 1883, p. 302, Pl. 28, fig. 1. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 454.

*Woodocrinus coxanus* (Worthen, 1882). Weller, S., 1898c, p. 640.

*Zeacrinus keokuk* Worthen, 1882, p. 28. Worthen, 1883, p. 303, Pl. 28, fig. 3. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 670. Kammer and Ausich, 1994, p. 343.

*Sarocrinus? keokuk* (Worthen, 1882). Kirk, 1942, p. 382. Bassler and Moodey, 1943, p. 670. Kammer and Ausich, 1994, p. 343.

Mississippian, Viséan (Osagean), Keokuk Limestone; lower part of Warsaw Formation. United States, Illinois, Iowa

\**Eratocrinus elegans* (Hall, 1858). Kirk, 1938, p. 165. Bassler and Moodey, 1943, p. 454. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 9. Moore and Laudon, 1944, p. 165, Pls. 59, fig. 12; 61, fig. 13. Moore, 1962b, p. 24, Fig. 14, no. 5. Good, 1968, Frontice. Webster, 1973, p. 123. Webster, 1977, p. 79. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T748, Fig. 495, nos. 2a-2b. Webster, 1986, p. 141.

*Zeacrinus elegans* Hall, 1858c, p. 547, Pl. 9, figs. 1-2; Fig. 68. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288, Fig. 445. Weller, S., 1898c, p. 640. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 454.

*Woodocrinus elegans* (Hall, 1858). Keyes, 1894a, p. 214, Pl. 26, fig. 5. Weller, S., 1898c, p. 640. Grabau and Shimer, 1910, p. 512, Fig. 1827. Bassler and Moodey, 1943, p. 454.

*Eratocrinus elegante* (Hall, 1858). Moore, 1939b, p. 247.

*Coenarthropterum elegante* (Hall, 1858). Moore, 1939b, p. 247 (brachial).

Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone. United States, Iowa

*Eratocrinus elegante* (Hall, 1858) = *Eratocrinus elegans*

*Eratocrinus faggi* (Rowley and Hare, 1891). Kirk, 1938, p. 165. Bassler and Moodey, 1943, p. 454.

*Zeacrinus faggi* Rowley and Hare, 1891a, p. 103, Pl. 2, fig. 20. Miller, S. A., 1892a, p. 683. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 454.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone: United States, Missouri

*Eratocrinus orbicularis* (Hall, 1861) = *Cromyocrinus orbicularis*

*Eratocrinus pikensis* (Worthen, 1882). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 454.

*Zeacrinus pikensis* Worthen, 1882, p. 29. Worthen, 1883, p. 304, Pl. 30, fig. 3. Miller,

S. A., 1889, p. 288. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 454.

*Scaphiocrinus pikensis* (Worthen, 1882). Weller, S., 1898c, p. 547.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Illinois

*Eratocrinus ramosus* (Hall, 1858). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 454.

*Zeacrinus ramosus* Hall, 1858c, p. 548, Pl. 9, fig. 3; Fig. 69. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Bassler and Moodey, 1943, p. 454.

*Woodocrinus ramosus* (Hall, 1858). Weller, S., 1898c, p. 641.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Eratocrinus raymondi* (Laudon and Beane, 1937). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 455.

*Pachyocrinus raymondi* Laudon and Beane, 1937, p. 255, Pl. 18, fig. 4. Bassler and Moodey, 1943, p. 455.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Eratocrinus sacculus* (White, 1862). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 455.

*Zeacrinus sacculus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 12. Miller, S. A., 1889, p. 288. Bassler and Moodey, 1943, p. 455.

*Zeacrinus sacculus* var. *concinnus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 12. Miller, S. A., 1889, p. 288. Bassler and Moodey, 1943, p. 455.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Eratocrinus salemensis* (Miller and Gurley, 1894). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 455. Kammer and Ausich, 1994, p. 344, Fig. 4.

*Zeacrinus salemensis* Miller and Gurley, 1894b, p. 37, Pl. 3, fig. 17. Weller, S., 1898c, p. 653. Bassler and Moodey, 1943, p. 455.

*Zeacrinus salemanensis* Miller and Gurley, 1894. Miller, S. A., 1897, p. 755 (sic).

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; Harrodsburg Limestone. United States, Indiana

*Eratocrinus scoparius* (Hall, 1861) = *Ascetocrinus scoparius*

*Eratocrinus serratus* (Meek and Worthen, 1870). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 455. Moore and Laudon, 1944, p. 167, Pl. 60, fig. 11. Webster, 1973, p. 123.

*Zeacrinus serratus* Meek and Worthen, 1870a, p. 151. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 641.

*Poteriocrinites (Zeacrinites) serratus* (Meek and Worthen, 1870). Meek and Worthen, 1873, p. 428, Pl. 1, fig. 8. Bassler and Moodey, 1943, p. 455.

*Woodocrinus serratus* Wachsmuth and Springer, 1886, p. 166. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 725.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Eratocrinus troostanus* (Meek and Worthen, 1860). Kirk, 1938, p. 166. Bassler and Moodey, 1943, p. 455.

*Zeacrinus troostanus* Meek and Worthen, 1860, p. 390. Meek and Worthen, 1866a, p. 186, Pl. 16, fig. 2; Fig. 4. Shumard, 1868, p. 400. Miller, S. A., 1889, p. 289, Fig. 447. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 455.

*Woodocrinus troostanus* (Meek and Worthen, 1860). Weller, S., 1898c, p. 641. Grabau and Shimer, 1910, p. 511.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

**ERETMOCRINUS** Lyon and Casseday, 1859. \**E. magnificus* Lyon and Casseday, 1859.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Lyon and Casseday, 1859, p. 241. Shumard, 1868, p. 369. Meek and Worthen, 1873, p. 368. Zittel, 1880, p. 370. Wachsmuth and Springer, 1881, p. 170 (344). Miller, S. A., 1889, p. 242. Zittel, 1895, p. 129. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 385. Miller, S. A., 1897, p. 744. Bather *in* Lankester, 1900,

p. 167. Wachsmuth *in* Zittel, 1900, p. 143. Grabau and Shimer, 1910, p. 530. Springer *in* Zittel, 1913, p. 195. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 455. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 195. Ubaghs, 1953, p. 740. Lane, N. G., 1963b, p. 921. Webster, 1973, p. 123. Webster, 1977, p. 79. Haugh, 1978, p. 164, Fig. 11, no. E. Lane *in* Moore and Teichert, 1978, p. T469. Ausich, Kammer, and Lane, 1979, p. 1189, Fig. 6A, no. d. Kammer, Ausich and Lane, 1983, p. 55, Fig. 14, no. A, item d. Webster, 1986, p. 141. Lane and Sevastopulo, 1987, p. 204. Ausich, 1988, p. 909, Fig. 1, no. 8. Webster, 1988, p. 83. Webster, 1993, p. 57. Ausich, 1997a, p. 292, Figs. 2, no.

5;

7. Ausich and Kammer, 2010a, p. 42.

Named, currently recognized species based on cups or crowns: 37 species, 2 subspecies. 36 Mississippian, 4 Tournaisian, 2 Tournaisian – Viséan, 29 Viséan (+2 Viséan subspecies), 1 Serpukhovian; 1 Pennsylvanian, Atokan

Mississippian, Tournaisian - Viséan (latest Kinderhookian – Osagean). North America  
Pennsylvanian, late Atokan. United States, Colorado

*Eretmocrinus adultus* Wachsmuth and Springer, 1881 = *Dizygocrinus originarius*

*Eretmocrinus argutus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.  
*Batocrinus argutus* Miller and Gurley, 1896a, p. 9, Pl. 1, figs. 8-9. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322.  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Iowa, Missouri

*Eretmocrinus aridus* Webster and Lane, 1987, p. 32, Figs. 9; 10, nos. 22-23. Webster, 1993, p. 57.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Eretmocrinus asper* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.  
*Batocrinus asper* Miller and Gurley, 1896a, p. 13, Pl. 1, figs. 15-16. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Eretmocrinus attenuatus* (Hall, 1861) = *Abatocrinus attenuatus*

*Eretmocrinus basilicus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 42.  
*Batocrinus basilicus* Miller and Gurley, 1896a, p. 11, Pl. 1, figs. 10-12. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Eretmocrinus brevis* Rowley, R. R., 1902b, p. 309, Pl. 18, figs. 15-16. Bassler and Moodey, 1943, p. 455.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri

*Eretmocrinus calyculoides* (Hall, 1860). Miller, S. A., 1889, p. 243. Keyes, 1894a, p. 177, Pl. 23, fig. 13. Wachsmuth and Springer, 1897, p. 395, Pl. 34, figs. 1-4. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456. Laudon, 1973b, p. 28, Fig. 4. Webster, 1977, p. 79. Lane and Dubar, 1983, p. 118, Fig. 3, no. N. Webster, 1988, p. 83.  
*Actinocrinus calyculoides* Hall, 1859a, p. 17, Unnum. Fig. Shumard, 1868, p. 342. Hall, 1872c, Pl. 3, figs. 2-5. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456.  
*Batocrinus calyculoides* (Hall, 1859). Miller, 1897, p. 735.  
Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone; Borden Formation, Nada Member. United States, Iowa, Kentucky

- Eretmocrinus calyculoides nodosus* Wachsmuth and Springer, 1897. Bassler and Moodey, 1943, p. 456.  
*Eretmocrinus calyculoides* var. *nodosus* Wachsmuth and Springer, 1897, p. 396, Pl. 34, figs. 6-8. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Eretmocrinus calyculoides* var. *nodosus* Wachsmuth and Springer, 1897 = *Eretmocrinus calyculoides nodosus*
- Eretmocrinus carica* (Hall, 1861) = *Macrocrinus carica*
- Eretmocrinus casedayanus* Miller and Gurley, 1894 = *Eretmocrinus remibrachiatus expansus*
- Eretmocrinus casula* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 43. *Batocrinus casula* Miller and Gurley, 1895. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky
- Eretmocrinus clio* (Hall, 1861) = *Abatocrinus clio*
- Eretmocrinus cloelia* (Hall), 1861. Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 398, Pl. 36, figs. 4a-4b. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456. Lee, Ausich, and Kammer, 2005, p. 344.  
*Actinocrinus cloelia* Hall, 1861a, p. 266. Hall, 1861b, p. 1. Hall, 1861c, p. 266. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456.  
*Batocrinus cloelia* (Hall, 1861). Miller, S. A., 1897, p. 736. Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Nada Member, Borden Formation. United States, Missouri, Iowa, Kentucky
- Eretmocrinus commendabilis* Miller and Gurley, 1895a, p. 25, Pl. 2, fig. 16. Miller, S. A., 1897, p. 744, Fig. 1349. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 324. Van Sant *in* Van Sant and Lane, 1964, p. 116, Pl. 7, fig. 12. Webster, 1973, p. 123. Ausich and Kammer, 2010a, p. 43.  
*Batocrinus commendabilis* (Miller and Gurley, 1895). Miller, S. A., 1897, p. 736. Bassler and Moodey, 1943, p. 324. Ausich and Kammer, 2010a, p. 43. Mississippian, Viséan (Osagean), Edwardsville Limestone. United States, Indiana
- Eretmocrinus copiosus* (Miller and Gurley, 1894). Ausich and Kammer, 2010a, p. 43. *Batocrinus copiosus* Miller and Gurley, 1894b, p. 51, Pl. 5, figs. 5-6. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 324. Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Kentucky

*Eretmocrinus corbulis* (Hall, 1861). Miller, S. A., 1889, p. 243. Keyes, 1894a, p. 175, Pl. 23. Wachsmuth and Springer, 1897, p. 399, Pl. 36, figs. 5-6. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456. Webster, 1977, p. 79.

*Eretmocrinus corbulis* (Hall, 1861). Laudon, 1973b, p. 28, Fig. 4.

*Actinocrinus corbulis* Hall, 1861a, p. 265. Hall, 1861b, p. 1. Hall, 1861c, p. 265. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456.

*Batocrinus corbulis* (Hall, 1861). Miller, S. A., 1897, p. 736.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, Missouri, New Mexico

*Eretmocrinus corbulis* (Hall, 1861) = *Eretmocrinus corbulis*

*Eretmocrinus coronatus* (Hall, 1859). Meek and Worthen, 1873, Pl. 10, figs. 8a-8c.

Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 10. Wachsmuth and Springer, 1897, p. 403, Pls. 3, fig. 18; 37, figs. 7a-7c. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 249. Grabau and Shimer, 1910, p. 531. Bassler and Moodey, 1943, p. 456.

*Actinocrinus coronatus* Hall, 1859a, p. 28. Shumard, 1868, p. 343. Hall, 1872c, Pl. 4, figs. 1-2. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 249. Bassler and Moodey, 1943, p. 456.

*Batocrinus coronatus* (Hall, 1859). Miller, S. A., 1897, p. 736.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri

*Eretmocrinus curiosus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 43.

*Batocrinus curiosus* Miller and Gurley, 1895a, p. 6, Pl. 1, figs. 4-6. Miller, S. A., 1897, p. 736, Figs. 1305-1306. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 324.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky

*Eretmocrinus depressus* Keyes, 1894a, p. 176, Pl. 23, fig. 11. Wachsmuth and

Springer, 1897, p. 382, Pl. 36, figs. 11a-11b. Miller, S. A., 1897, p. 745. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 456.

*Batocrinus depressus* (Keyes, 1894). Miller, S. A., 1897, p. 736.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa, Missouri, Indiana

*Eretmocrinus expansus* Keyes, 1894a, p. 175, Pl. 23, fig. 12. Miller, S. A., 1897, p.

745. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 456.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Illinois

*Eretmocrinus faberi* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.

*Batocrinus faberi* Miller and Gurley, 1896b, p. 18, Pl. 2, figs. 3-4. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 325.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Eretmocrinus gemmiformis* (Hall, 1859) = *Macrocrinus gemmiformis*

*Eretmocrinus granuliferus* Wachsmuth and Springer, 1897, p. 390, Pl. 34, figs. 5a-5c. Miller, S. A., 1897, p. 745. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 456. Van Sant in Van Sant and Lane, 1964, p. 116. Webster, 1973, p. 123. Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Eretmocrinus intermedius* Wachsmuth and Springer, 1881 = *Dizygocrinus intermedius* = *D. originarius*

*Eretmocrinus konincki* (Shumard, 1855) = *Macrocrinus konincki*

*Eretmocrinus lacinosus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 43. *Batocrinus lacinosus* Miller and Gurley, 1895a, p. 14, Pl. 1, figs. 15-16. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 327. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Eretmocrinus laterna* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 43. *Batocrinus laterna* Miller and Gurley, 1895a, p. 12, Pl. 1, figs. 13-14. Miller, S. A., 1897, p. 737, Fig. 1311. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Eretmocrinus leucosia* (Hall, 1861). Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 401, Pl. 36, figs. 7a-7c. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 250. Grabau and Shimer, 1910, p. 531. Bassler and Moodey, 1943, p. 457. Laudon, 1948, Pl. 2. Laudon, 1973b, p. 28, Fig. 4. Webster, 1973, p. 123. Webster, 1977, p. 79.

*Actinocrinus leucosia* Hall, 1861a, p. 261 Hall, 1861b, p. 1. Hall, 1861c, p. 261. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 457.

*Batocrinus leucosia* (Hall, 1861). Miller, S. A., 1897, p. 737.

*Batocrinus blairi* Miller, S. A., 1892a, p. 675. Miller, S. A., 1892c, p. 39, P. 6, figs. 7-10. Miller, S. A., 1894, p. 39, Pl. 6, figs. 7-10. Miller, S. A., 1897, p. 735, Fig. 1304. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 457.

*Dorycrinus confragosus* Miller, S. A., 1891, p. 34, Pl. 5, fig. 12. Miller, S. A., 1892a, p. 677. Weller, S., 1898c, p. 250. Bassler and Moodey, 1943, p. 457.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Missouri, Iowa

*Eretmocrinus lyonanus* Miller, 1891 = *Eretmocrinus magnificus*

\**Eretmocrinus magnificus* Lyon and Casseday, 1859, p. 241. Shumard, 1868, p. 369. Quenstedt, 1885, p. 956, Pl. 77, fig. 11. Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 386, Pl. 37, fig. 3. Miller, S. A., 1897, p. 744. Weller, S.,

1898c, p. 251. Grabau and Shimer, 1910, p. 531. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 457. Wilson, C. W., 1948, p. 166, Pl. 29, fig. 18. Jillson, 1958, p. 65, Unnum. Fig. p. 12. Webster, 1973, p. 123. Webster, 1977, p. 79. Lane in Moore and Teichert, 1978, p. T469, Fig. 275, no. 8a. Webster, 1986, p. 141. Ausich and Meyer, 1994, p. 362, Fig. 1, no. A.  
*Actinocrinus magnificus* (Lyon and Casseday, 1859). Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 279.  
*Batocrinus magnificus* (Lyon and Casseday, 1859). Miller, S. A., 1897, p. 737.  
*Eretmocrinus lyonanus* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 678, Fig. 1228. Miller, S. A., 1892b, p. 669, Pl. 10, figs. 3-4. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457.  
 Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky, Tennessee, Indiana

*Eretmocrinus matuta* (Hall, 1861) = *Eretmocrinus matutus* = *Macrocrinus matutus*

*Eretmocrinus matuta* var. *attenuata* (Hall, 1861) = *Eretmocrinus attenuatus* = *Macrocrinus matutus*

*Eretmocrinus matutus* (Hall, 1861) = *Macrocrinus matutus*

*Eretmocrinus minor* Wachsmuth and Springer, 1897 = *Abatocrinus minor*

*Eretmocrinus neglectus* (Meek and Worthen, 1868) = *Macrocrinus neglectus*

*Eretmocrinus nodosarius* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus nodosarius* Miller and Gurley, 1896c, p. 22, Pl. 1, figs. 11-12. Miller, S. A., 1897, p. 737, Fig. 1314. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Eretmocrinus nodosus* (Miller and Gurley, 1896), (non Rowley, 1900). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus nodosus* Miller and Gurley, 1896b, p. 5, Pl. 1, figs. 1-3. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943, p. 328.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Eretmocrinus nodosus* Rowley, R. R., 1900a, p. 73, Pl. 2, fig. 17. Rowley, R. R., 1905, p. 303, Pl. 21, fig. 9. Bassler and Moodey, 1943, p. 457.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri

*Eretmocrinus originarius* Wachsmuth and Springer, 1897 = *Dizygocrinus originarius*

*Eretmocrinus parvus* Rowley, R. R., 1902b, p. 308, Pl. 18, fig. 14. Bassler and Moodey, 1943, p. 457.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri



*Eretmocrinus pennibrachiatus* Moore, 1939 = *Eretmocrinus remibrachiatus*

*Eretmocrinus pettisensis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus pettisensis* Miller and Gurley, 1896b, p. 19, Pl. 2, figs. 5-6. Miller, S. A.,  
 1897, p. 738, Fig. 1316. Weller, S., 1898c, p. 131. Bassler and Moodey, 1943,  
 p. 328.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States,  
 Missouri

*Eretmocrinus praegravis* Miller, S. A., 1892 = *Magnuscrinus praegravis*

*Eretmocrinus prodigialis* (Miller and Gurley, 1895) = *Eretmocrinus yandelli* =  
*Magnuscrinus yandelli*

*Eretmocrinus ramulosus* (Hall, 1858). Miller, S. A., 1889, p. 243. Wachsmuth and  
 Springer, 1897, p. 387, Pl. 37, figs. 4-5. Miller, S. A., 1897, p. 744. Weller, S.,  
 1898c, p. 251. Moore, 1939b, p. 243, Fig. 13, no. 4 (portion of arm). Bassler and  
 Moodey, 1943, p. 458. Wilson, C. W., 1948, p. 166, Pl. 29, figs. 19-20. Laudon,  
 1973b, p. 28, Fig. 4. Webster, 1977, p. 79. Ausich, 2009a, p. 486, suppl. p. 19.  
*Actinocrinus ramulosus* Hall, 1858c, p. 615, Pl. 15, fig. 7. Shumard, 1868, p. 347.  
 Miller, S. A., 1889, p. 219. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 251.  
 Bassler and Moodey, 1943, p. 458.  
*Batocrinus ramulosus* (Hall, 1858). Miller, S. A., 1897, p. 738.  
*Actinocrinites agassizii* Troost, 1850a p. 60 (*nomen nudum*).  
*Actinocrinites agassizi* Troost, 1850b, p. 419. Wood, E., 1909, p. 68. Bassler and  
 Moodey, 1943, p. 458.  
*Actinocrinus agassizi* (Troost, 1850). Shumard, 1868, p. 342. Miller, S. A., 1889,  
 p. 217.  
 Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds; Keokuk  
 Limestone, Ft. Payne Chert. United States, Iowa, Illinois, Tennessee

*Eretmocrinus ramulosus* Wachsmuth and Springer, 1878 and 1881 (*non* Hall, 1858) =  
*Eretmocrinus remibrachiatus expansus*

*Eretmocrinus remibrachiatus* (Hall, 1861). Miller, S. A., 1889, p. 243. Keyes, 1890a,  
 Pl. 9, fig. 3. Wachsmuth and Springer, 1897, p. 388, Pl. 37, figs. 2a-2b. Miller,  
 S. A., 1897, p. 744. Weller, S., 1898c, p. 252. Bassler and Moodey, 1943, p.  
 458. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 20. Webster, 1973, p. 124.  
 Ubaghs *in* Moore and Teichert, 1978, p. T154, Fig. 126, nos. 1-2. Webster,  
 1986, p. 141. Ausich *in* Hess et al., 1999 p. 142, Fig. 150.  
*Actinocrinus remibrachiatus* Hall, 1861b, p. 11. Shumard, 1868, p. 347. Miller, S.  
 A., 1889, p. 219. Weller, S., 1898c, p. 252. Bassler and Moodey, 1943, p. 458.  
*Actinocrinus (Eretmocrinus) remibrachiatus* Hall, 1872c, Pl. 4, figs. 8-9. Weller, S.,  
 1898c, p. 252. Bassler and Moodey, 1943, p. 458.  
*Eretmocrinus pennibrachiatus* (Hall, 1861). Moore, 1939b (sic), p. 243, Fig. 13, no.  
 3 (biserial arm).  
 Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone.

## United States, Iowa

- Eretmocrinus remibrachiatus expansus* Wachsmuth and Springer, 1897. Bassler and Moodey, 1943, p. 458. Laudon, 1973b, p. 28, Fig. 4. Webster, 1977, p. 79. Lane in Moore and Teichert, 1978, p. T469, Fig. 275, no. 8b. Webster, 1986, p. 141.
- Eretmocrinus remibrachiatus* var. *expansus* Wachsmuth and Springer, 1897, p. 390, Pls. 36, fig. 1; 37, figs. 1a-1b; 44, fig. 9. Weller, S., 1898c, p. 252.
- Batocrinus remibrachiatus* var. *expansus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 738.
- Eretmocrinus ramulosus* Wachsmuth and Springer, 1878, p. 238. Wachsmuth and Springer, 1881, p. 173 (347). Bassler and Moodey, 1943, p. 458.
- Batocrinus (Eretmocrinus) remibrachiatus* Meek and Worthen, 1873, p. 370, Pl. 10, fig. 5. Weller, S., 1898c, p. 252. Bassler and Moodey, 1943, p. 458.
- Eretmocrinus cassedayanus* Miller and Gurley, 1893, p. 17, Pl. 3, fig. 1 (as *E. lyonanus* by error). Miller, S. A., 1897, p. 745. Weller, S., 1898c, p. 252. Bassler and Moodey, 1943, p. 458.
- Batocrinus superbus* Miller, 1897, p. 739. Bassler and Moodey, 1943, p. 458. Mississippian, Viséan (Osagean), Burlington - Keokuk transition beds. United States, Iowa, Illinois
- Eretmocrinus remibrachiatus* var. *expansus* Wachsmuth and Springer, 1897 = *Eretmocrinus remibrachiatus expansus*
- Eretmocrinus rotadentatus* (Rowley and Hare, 1891). Ausich and Kammer, 2010a, p. 43.
- Batocrinus rotadentatus* Rowley and Hare, 1891a, p. 102, Pl. 2, figs. 17-18. Miller, S. A., 1892a, p. 675. Wachsmuth and Springer, 1897, p. 374, Pl. 46, fig. 7. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32.
- Abatocrinus rotadentatus* (Rowley and Hare, 1891). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 32. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Eretmocrinus rugosus* Wachsmuth and Springer, 1897, p. 402, Pl. 36, figs. 9a-9c. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 252. Bassler and Moodey, 1943, p. 458.
- Batocrinus rugosus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 738. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Eretmocrinus rusticellus* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 43. *Batocrinus rusticellus* Miller and Gurley, 1897, p. 23, Pl. 1, figs. 18-21. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

- Eretmocrinus sawdoi* Itano et al., 2003, p. 89, Figs. 4; 5, nos. 1-2.  
Pennsylvanian, late Atokan, Minturn Formation. United States, Colorado
- Eretmocrinus sedaliensis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus sedaliensis* Miller and Gurley, 1896c, p. 71, Pl. 4, figs. 31-32. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Eretmocrinus solitarius* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus solitarius* Miller and Gurley, 1896a, p. 22, Pl. 2, figs. 8-11. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Eretmocrinus speciosus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus speciosus* Miller and Gurley, 1896c, p. 47, Pl. 2, figs. 24-26. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Eretmocrinus spinosus* (Miller and Gurley, 1895) = *Magnuscrinus spinosus*
- Eretmocrinus spuriosus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus spuriosus* Miller and Gurley, 1896b, p. 20, Pl. 2, figs. 7-9. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Eretmocrinus tentor* Laudon, 1933 = *Macrocrinus tentor*
- Eretmocrinus varsoviensis* Worthen, 1882 = *Dizygocrinus intermedius* = *D. originarius*
- Eretmocrinus verneuillianus* (Shumard, 1855) = *Macrocrinus verneuillianus*
- Eretmocrinus wetherbyi* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 43.  
*Batocrinus wetherbyi* Miller and Gurley, 1895a, p. 11, Pl. 1, figs. 11-12. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 137. Bassler and Moodey, 1943, p. 333. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee
- Eretmocrinus yandelli* (Shumard, 1857) = *Magnuscrinus yandelli*
- Eretmocrinus* spp.  
Wilson, C. W., 1948, p. 166, Pl. 29, figs. 22-23 (arm fragment). Webster, 1977, p. 80.  
Mississippian, Viséan (Osagean). United States, Tennessee  
Priest, 1972, p. 88, Fig. 1, p. 87. Webster, 1977, p. 79.  
Age and Locality not given  
Haugh, 1973a, p. 84, Pls. 1, fig. 20; 2, fig. 5; Fig. 6, no. j. Webster, 1977, p. 79.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri  
Lane, N. G., 1973, p. 74, Fig. 17 (arm fragment). Webster, 1977, p. 79.

Mississippian, Viséan (Osagean), Edwardsville Member. United States, Indiana  
Brower, 1973, p. 383, Fig. 24, nos. R-S (arm fragment). Webster, 1977, p. 79.

Age and Local not given.

Kues, 1982, Unnum. Fig. p. 108, no. J. Webster, 1988, p. 83.

Mississippian. no locality data

Lane, N. G., 1986, p. 157, Fig. 10. Webster, 1993, p. 57.

Mississippian, Viséan (Osagean). United States, Indiana  
Webster and Lane, 1987, p. 33, Fig. 10, nos. 14-19. Webster, 1993, p. 57.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada  
Feldman, 1989b, p. 907, Fig. 3, no. 11. Webster, 1993, p. 57.

Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale  
Member. United States, Kentucky

Greb et al., 2008, p. 15, Fig. F.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

Greb et al., 2008, p. 17, Fig. 8a.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

**ERINCRINUS** Ausich and Sevastopulo, 2001. \**Graphiocrinus? austini* Wright, 1952.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Bursacrinidae

Ausich and Sevastopulo, 2001, p. 109.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species

Mississippian, Tournaisian. Ireland

\**Erinocrinus austini* (Wright, 1952). Ausich and Sevastopulo, 2001, p. 110, Pl. 12, figs.  
1-6; Fig. 13, nos. B-C, F-H.

*Woodocrinus macrodactylus* de Koninck; Baily in Du Noyer, 1865, p. 23. Ausich and  
Sevastopulo, 2001, p. 110.

*Graphiocrinus? austini* Wright, J., 1952a, p. 104, Pl. 36, figs. 16-17. Webster, 1973,  
p. 141. Ausich and Sevastopulo, 2001, p. 110

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

Erisocrinid indeterminate Webster and Kues, 2006, p. 18, Figs. 4.29-4.32.

Pennsylvanian Desmoinesian, Madera Group, Los Moyos Limestone

Erisocrinitoidea gen. et. sp. indet. A Hashimoto, 1984, p. 21, Pl. 5, figs. 2a-2c; Fig. 6,  
nos. 6a-6b. Webster, 1993, p. 57.

Pennsylvanian, Moscovian (late Atokan), Akiyoshi Limestone Group, *Fusulinella*  
*biconica* Biozone. Japan

Erisocrinitoidea gen. et. sp. indet. B Hashimoto, 1984, p. 21, Pls. 5, figs. 3a-4d; 6, figs.  
1a-3d; Figs. 6, nos. 7a-9b; 7, nos. 1a-1b. Webster, 1993, p. 57.

Pennsylvanian, Moscovian (late Atokan), Akiyoshi Limestone Group, *Fusulinella*

*biconica* Biozone. Japan

Erisocrinoida gen. et sp. indet. C Hashimoto, 1984, p. 23, Pl. 7, figs. 1a-3d; Fig. 7, nos. 2a-3b. Webster, 1993, p. 57.

Pennsylvanian, Moscovian (late Atokan), Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

Erisocrinidae Genus and species indeterminate Webster and Houck, 1998, p. 1066, Figs. 5.8-5.10.

Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado

**ERISOCRINUS** Meek and Worthen, 1865. \**E. typus* Meek and Worthen, 1865.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Erisocrinidae

Meek and Worthen, 1865d, p. 174 (given as *Philocrinus* p. 350). Meek and Worthen,

1866a, p. 315. Shumard, 1868, p. 369. Meek and Worthen, 1869a, p. 70. Meek and Worthen, 1873, p. 445. Zittel, 1880, p. 343, 359. Wachsmuth and Springer, 1880, p. 139 (362) Wachsmuth and Springer, 1883b, p. 377, Fig. 11. Miller, S. A., 1889, p. 243. Bather, 1890b, p. 325. Zittel, 1895, p. 137. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in* Zittel, 1900, p. 162. Grabau and Shimer, 1910, p. 513. Springer *in* Zittel, 1913, p. 225. Wanner, 1924, p. 181. Bassler, 1938, p. 95. Moore and Plummer, 1940, p. 149. Bassler and Moodey, 1943, p. 458. Moore and Laudon, 1943b, p. 60, Fig. Moore and Laudon, 1944, p. 173, Pl. 62, fig. 26. Branson, C. C., 1948, p. 192. Cuénot, 1948, p. 62. Moore, 1950, Fig. 40. Xu, Shan, and Chang, 1962, p. 118, Fig. 1, no. b. Arendt and Hecker, 1964, p. 90. Knapp, 1969, p. 359, Fig. 3. Strimple and Watkins, 1969, p. 180. Strimple and Moore, 1971a, p. 9. Moore and Strimple, 1973, p. 61. Strimple and Cocke, 1973, p. 155. Webster, 1973, p. 124. Pabian and Strimple, 1974a, p. 252. Webster, 1977, p. 80. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705. Pabian and Strimple, 1980a, p. 176. Pabian and Strimple, 1985, p. 49. Webster, 1986, p. 141. Webster, 1988, p. 83. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 6. Webster, 1993, p. 57. Pabian and Strimple, 1993, p. 22. Pabian and Rushlau, 2002, p. 23. LeMenn, 2009, p. 468, Fig. 23, no. b. Thomka *et al.*, 2011, p. 381, Figs. 6, nos. A-B; 7, nos. B-C.

**Note:** See comment under *Delocrinus*.

**STEMMATOCRINUS** Trautschold, 1867, p. 28. \**S. cernuus* Trautschold, 1867.

Trautschold, 1879, p. 124. Zittel, 1880, p. 343, 359. Wachsmuth and Springer, 1880 (1879), p. 63 (286). Miller, S. A., 1889, p. 282. Lahusen, 1895, p. 148. Zittel, 1895, p. 137. Koken, 1896, p. 279. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in* Zittel, 1900, p. 162. Springer *in* Zittel, 1913, p. 225. Wanner, 1924, p. 181. Bassler, 1938, p. 174. Bassler and Moodey, 1943, p. 685. Moore and Laudon, 1943b, p. 60. Webster, 1973, p. 124. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705.

**LIBRATOCRINUS** Knapp, 1969, p. 354, Fig. 1. (\**Erisocrinus mediator* Strimple, 1962; Knapp, 1969). Strimple, and Moore, 1971a, p. 9. Moore and Strimple, 1973, p. 61. Pabian and Strimple, 1974a, p. 258. Webster, 1977, p. 80. Moore,

Strimple, and Lane *in* Moore and Teichert, 1978, p. T705. Webster, 1986, p. 189.

*PARERISOCRINUS* Knapp, 1969, p. 358, Fig. 3. \**Paradelocrinus obovatus* Moore and Plummer, 1940. Strimple and Moore, 1971a, p. 9. Moore and Strimple, 1973, p. 61. Strimple and Cocke, 1973, p. 156. Webster, 1977, p. 80. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705.

*PONTOTOCRINUS* Knapp, 1969, p. 352. \**Paradelocrinus wapanucka* Strimple, 1961; Knapp, 1969. Strimple and Moore, 1971a, p. 9. Moore and Strimple, 1973, p. 61. Webster, 1977, p. 80. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705.

Named, currently recognized species based on cups or crowns: 18 species. 2 Mississippian, 1 undesignated series, 1 Viséan; 1 Mid-Carboniferous undesignated; 11 Pennsylvanian, 1 Morrowan, 1 Atokan, 3 Desmoinesian, 1 Moscovian, 1 Desmoinesian – Virgilian, 2 Missourian, 1 Missourian – Virgilian, 1 Virgilian, 1 series undesignated; 4 Permian, 2 Wolfcampian, 1 Wordian, 1 Late Permian undesignated

Mississippian - Early Permian, Osagean? - Morrowan - Wolfcampian. United States

Pennsylvanian, Moscovian - Late Permian. Russia

Mississippian, Viséan. United Kingdom, Scotland

Middle Carboniferous. China

Pennsylvanian. Brazil, Japan

Permian, Wordian. Sicily

*Erisocrinus antiquus* Meek and Worthen, 1869 = *Graphiocrinus antiquus* = *Nactocrinus antiquus*

*Erisocrinus araxwensis* Yakovlev, 1933, p. 975, Pl. 1, figs. 3-5. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 82, Pl. 19, figs. 1-2. Arendt and Hecker, 1964, p. 90, Pl. 12, fig. 4. Webster, 1973, p. 124. Pabian and Rushlau, 2002, p. 23.

Late Permian. Russia, Transcaucasia

*Erisocrinus? bipartitus* (Troost *in* Wood, 1909). Bassler, 1915, p. 497. Bassler and Moodey, 1943, p. 459. Ausich, 2009a, p. 487, suppl. p. 20.

*Erisocrinus? bipartitus* Troost *in* Wood (*Donacicrinites bipartitus* Troost, Ms), 1909, p. 98, Pl. 6, figs. 8-9. Bassler, 1915, p. 497. Bassler and Moodey, 1943, p. 459. Mississippian, series not given. United States, Tennessee

*Erisocrinus? bipartitus* Troost *in* Wood (*Donacicrinites bipartitus* Troost, Ms), 1909 = *Erisocrinus? bipartitus*

*Erisocrinus carlopsensis* Wright, 1939 = *Exaetocrinus carlopsensis*

*Erisocrinus cernus* (Trautschold, 1867) = *Erisocrinus cernuus*

*Erisocrinus cernuus* (Trautschold, 1867). Arendt and Hacker, 1964, p. 90, Fig. 130. Webster, 1973, p. 124.

*Stemmatocrinus cernuus* Trautschold, 1867, p. 28, Pl. 3, fig. 5; Unnum. Fig. Trautschold, 1879, p. 125, Pl. 14, fig. 12. Neumayr, 1889, p. 475, Fig. 145, nos. a-b. Lahusen, 1895, p. 148, Fig. 199, nos. a-b. Bassler, 1938, p. 174. Bassler and Moodey, 1943, p. 686. Yakovlev and Ivanov, 1956, p. 32.

*Erisocrinus cernus* (Trautschold, 1867). Yakovlev and Ivanov, 1956, p. 32, Pl. 7, fig. 7; Fig. 7.

Pennsylvanian, Moscovian. Russia, Moscow Basin

*Erisocrinus cognatus* Wachsmuth and Springer, 1886 = *Paradelocrinus planus* = *Sublobalocrinus planus*

*Erisocrinus coloradoensis* (Strimple, 1976). Webster, 1986, p. 141. Webster and Elliott, 2004, p. 82, Figs. 2.1- 4.5.

*Pontotocrinus coloradoensis* Strimple, 1976b, p. 129, Pl. 1, figs. 1-2. Webster, 1986, p. 141.

Pennsylvanian, Desmoinesian, Madera Formation, Naco Formation. United States, Colorado, Arizona

*Erisocrinus conoideus* Meek and Worthen, 1866 = *Exaetocrinus conoideus*

*Erisocrinus elevatus* Moore and Plummer, 1940, p. 156, Pl. 4, fig. 1; Fig. 26. Bassler and Moodey, 1943, p. 459. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 27. Knapp, 1969, p. 359. Webster, 1973, p. 124. Pabian and Strimple, 1974a, p. 253, Fig. 2, no. d. Webster, 1977, p. 80. Webster, 1986, p. 141. Finsley, 1989, p. 97, Fig. 324. Pabian and Rushlau, 2002, p. 23.

Pennsylvanian, Missourian - Virgilian, Stranger Formation, Haskell (Cass) Limestone; Palo Pinto Limestone. United States, Texas, Nebraska

*Erisocrinus erectus* Moore and Plummer, 1940, p. 157, Pl. 4, fig. 3; Fig. 26. Bassler and Moodey, 1943, p. 459.

*Parerisocrinus erectus* (Moore and Plummer, 1940). Knapp, 1969, p. 387. Pennsylvanian, Missourian, Palo Pinto Formation. United States, Texas

*Erisocrinus* aff. *erectus* Moore and Plummer, 1940. Bowsher and Strimple, 1986, p. 17, Figs. 41, nos. a-e; 62, nos. a-d. Webster, 1993, p. 57.

Pennsylvanian, Desmoinesian?, Gobbler Formation. United States, New Mexico

*Erisocrinus georgeae* Strimple and Watkins, 1969, p. 180, Pl. 39, figs. 5-7. Webster, 1977, p. 80. Pabian and Rushlau, 2002, p. 23.

Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

*Erisocrinus granulatus* Wanner, 1924 = *Parastachyocrinus granulatus*

*Erisocrinus healdae* Pabian and Strimple, 1974a, p. 255, Pl. 32, figs. 6-8. Webster, 1986, p. 142. Pabian and Rushlau, 2002, p. 23.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone. United States, Nebraska

*Erisocrinus inflexus* (Geinitz, 1867) (part) = *Graffhamicrinus inflexus* = *Subarrectocrinus inflexus*

*Erisocrinus (Ceriocrinus) inflexus* White, 1883 = *Delocrinus inflexus* = *Paradelocrinus inflexus* = *Subarrectocrinus inflexus*

*Erisocrinus knoxvillensis* Strimple, 1975l, p. 126, Pl. 1, figs. 9-11; Fig. 1. Webster, 1986, p. 142. Pabian and Rushlau, 2002, p. 23. (**Note:** Pabian and Rushlau erroneously gave the age as Merimecian)  
Pennsylvanian, ?early Desmoinesian, unnamed limestone. United States, Iowa

*Erisocrinus loczyi* Katzer, 1903, p. 159, Unnum Fig. Katzer, 1933, p. 153, appendix, Pl. 4, fig. 9. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Lane, N. G., 1964a, p. 365. Webster, 1973, p. 124. Pabian and Rushlau, 2002, p. 23.  
Pennsylvanian. Brazil, lower Amazon

*Erisocrinus longwelli* Lane and Webster, 1966, p. 43, Pl. 10, figs. 1-3, 5-6. Webster and Lane, 1967, p. 23, Pls. 1, figs. 13; 6, fig. 3. Webster, 1973, p. 124. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705, Fig. 463, nos. 1e-1f. Webster, 1986, p. 142. Pabian and Rushlau, 2002, p. 23.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Erisocrinus* sp. cf. *E. longwelli* Lane and Webster, 1966. Pabian and Rushlau, 2002, p. 23, Fig. 13, nos. 14-17.  
Permian, Wolfcampian, Hughes Creek Shale. United States, Nebraska

*Erisocrinus lustrum* Strimple, 1951 = *Exaetocrinus lustrum*

*Erisocrinus lutana* Boos, 1939 = *Pachylocrinus lutanus* = *Plummericrinus lutanus*

*Erisocrinus malaianus* Wanner, 1924 = *Parastachyocrinus malaianus*

*Erisocrinus mediator* Strimple, 1962 = *\*Libratocrinus mediator* = *E. typus*

*Erisocrinus megalobrachiatus* Beede, 1899 = *Graffhamicrinus megalobrachiatus*

*Erisocrinus megalobrachiatus* Beede, 1899 = *Delocrinus megalobrachiatus* = *Graffhamicrinus megalobrachiatus*

*Erisocrinus nebrascensis* Meek and Worthen, 1865 = *Erisocrinus typus*

*Erisocrinus obliquus* Wanner, 1916 = *Parastachyocrinus obliquus*

*Erisocrinus obovatus* (Moore and Plummer, 1940). Pabian and Strimple, 1974b, p. 17, Fig. 6, nos. 4-5. Pabian and Strimple, 1980a, p. 177, Fig. 8, nos. A-C. Webster,



- 1986, p. 142. Webster and Kues, 2006, p. 16, Figs. 4.39-4.41.
- Paradelocrinus obovatus* Moore and Plummer, 1940, p. 326, Pls. 15, fig. 9; 20, fig. 4; Fig. 66. Bassler and Moodey, 1943, p. 588. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 2. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 22. Knapp, 1969, p. 358. Webster, 1973, p.192. Webster, 1977, p. 124.
- Pareisocrinus obovatus* (Moore and Plummer, 1940). Knapp, 1969, p. 358, Fig. 13. Strimple and Cocke, 1973, p. 156, Pl. 21, figs. 4-6. Webster, 1977, p. 124. Pennsylvanian, Missourian, Argentine Limestone; Dennis Formation; Hogshooter (Winterset) Limestone; Graford Formation; Madera Group, Wild Cow Formation. United States, Kansas, Oklahoma, Nebraska, Texas, New Mexico
- Erisocrinus* sp. cf. *E. obovatus* Moore and Plummer, 1940. Pabian and Strimple, 1993, p. 24, Fig. 10, nos. k-l. Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas
- Erisocrinus pentangulatus* Yakovlev and Fass, 1938, p. 117, Pl. 4, fig. 4. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Pabian and Rushlau, 2002, p. 23. Permian, Wordian, Sosio Beds. Sicily
- Erisocrinus planus* White, 1879 = *Cerocrinus planus* = *Cricocrinus planus* = *Paradelocrinus planus* = *Sublobalocrinus planus*
- Erisocrinus (Cerocrinus) planus* White, 1879 = *Sublobalocrinus planus*
- Erisocrinus propinquus* Weller, S., 1909b, p. 629, Pl. 1, figs. 14-15. Moore and Plummer, 1940, p. 158, Pl. 4, fig. 2. Bassler and Moodey, 1943, p. 460. Branson, C. C., 1948, p. 192. Knapp, 1969, p. 359, Fig. 14, no. C. Webster, 1977, p. 80. Pabian and Rushlau, 2002, p. 23. Permian, middle Wolfcampian, Cibolo Limestone. United States, Texas
- Erisocrinus scoticus* Wright, 1942 = ?*Apographiocrinus scoticus*
- Erisocrinus sinensis* Xu in Xu, Shan, and Chang, 1962, p. 118, Pl. 1, figs. 1a-b; Fig. 2 (not an *Erisocrinus*, GDW). Middle Carboniferous, upper part of Keluke Group. China, Qinghai
- Erisocrinus stefaninii* Yakovlev, 1934 = *Stachyocrinus stefaninii*
- Erisocrinus terminalis* Strimple, 1962e, p. 13, Pl. 9, figs. 1-4. Webster, 1973, p. 124. Knapp, 1969, p. 354. Webster, 1977, p. 80.
- Libratocrinus? terminalis* (Strimple, 1962). Knapp, 1969, p. 354. Webster, 1977, p. 80. Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Erisocrinus* sp. cf. *E. terminalis* Strimple, 1962. Pabian and Strimple, 1985, p. 49, Fig. 23, nos. g-i. Webster, 1988, p. 83.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas

*Erisocrinus toddanus* Butts, 1898 = *Paradelocrinus toddanus* = *Cricocrinus toddanus* = *Neoprotencrinus toddanus*

*Erisocrinus trinodus* Weller, 1909 = *Spaniocrinus? trinodus*

*Erisocrinus tuberculatus* Meek and Worthen, 1865 = *Eupachycrinus tuberculatus* = *Ethelocrinus tuberculatus*

*Erisocrinus tuberculatus* Meek and Worthen, 1866 = *Aglaocrinus tuberculatus*

\**Erisocrinus typus* Meek and Worthen, 1865d, p. 174. Shumard, 1868, p. 370. Meek and Worthen, 1873, p. 561, Pl. 24, fig. 6. White, C. A., 1876, p. 89. White, C. A., 1880b, p. 126, Pl. 33, fig. 5a. Miller, S. A., 1889, p. 243, Fig. 301. Weller, S., 1898c, p. 253. Grabau and Shimer, 1910, p. 514. Bassler, 1938, p. 96. Strimple, 1938, p. 6, Pls. 1, figs. 14-17; 2, figs. 2-5. Moore and Plummer, 1940, p. 152, Pls.

2, fig. 5; 4, figs. 4-5; 19, fig. 4: Figs. 24-25. Bassler and Moodey, 1943, p. 460. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 3. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 27; 65, fig. 28. Strimple, 1959a, p. 120, Pls. 1, figs. 14-17; 2, figs. 2-5. Strimple, 1960b, p. 155, Fig. 2, no. D. Cornwell and Cornwell, 1968, Pl. 1, figs. 1-2. Knapp, 1969, p. 359, Fig. 14, nos. A-B. Webster and Lane, 1970, p. 290, Pl. 57, figs. 19-20. Strimple and Moore, 1971a, p. 10, Pls. 1, fig. 1; 3, figs. 3-5; 4, fig. 5; 5, figs. 1a-1b; Fig. 5, nos. 1a-1b. Webster, 1973, p. 125. Pabian and Strimple, 1974b, p. 15, Fig. 6, nos. 2-3. Strimple, 1975l, p. 126, Pl. 1, figs. 6-8. Webster, 1977, p. 81. Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 138, no. 2. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T605, Fig. 463, nos. 1a-1d. Pabian and Strimple, 1980a, p. 176, Figs. 8, nos. D-F, J-L; 10, nos. N-Q. Strimple, 1980b, p. 13, Pl. 4, figs. 1-3. Strimple, 1985, p. 49, Fig. 23, nos. a-f. Webster, 1986, p. 142. Webster, 1988, p. 83. Peters and Lane, 1990, p. 431, Figs. 1, nos. 10-14; 3. Webster, 1993, p. 58. Pabian and Strimple, 1993, p. 22, Figs. 9, nos. m-o; 10, nos. a-f. Ausich *in* Hess et al., 1999 p. 159, Fig. 171. Pabian and Rushlau, 2002, p. 23. Stinchcomb, 2008, p. 154, Fig. 08-072.

*Philocrinus pelvis* Meek and Worthen, 1865d, p. 350. Miller, S. A., 1889, p. 269. Weller, S., 1898c, p. 253. Bassler and Moodey, 1943, p. 460.

*Erisocrinus nebrascensis* Meek and Worthen, 1865d, p. 174. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 243. Weller, S., 1898c, p. 253. Bassler and Moodey, 1943, p. 460.

*Philocrinus nebrascensis* (Meek and Worthen, 1865). Meek and Worthen, 1865e, p. 350. Bassler and Moodey, 1943, p. 460.

*Erisocrinus mediator* Strimple, 1962e, p. 14, Pl. 8, figs. 4-7. Knapp, 1969, p. 354. Webster and Lane, 1970, p. 290. Webster, 1973, p. 124. Webster, 1977, p. 81.

*Libratocrinus mediator* (Strimple, 1962). Knapp, 1969, p. 354, Fig. 8. Pabian and Strimple, 1974a, p. 258, Pl. 37, figs. 1-3. Webster, 1977, p. 81. Webster, 1986, p. 189.

Pennsylvanian, Desmoinesian-Virgilian, Paradox Formation; Oologah Limestone; Kanwaka Formation, Stull Shale Member; Gobbler Formation; Bond Formation, Millersville Limestone Member; Argentine Limestone; Cass Formation, Haskell Limestone Member; Plattsburg Formation, Meadow Limestone Member; South Bend Limestone. United States, Utah, Oklahoma, Kansas, New Mexico, Illinois, Nebraska, Iowa

*Erisocrinus typus* Meek and Worthen; Bowsher and Strimple, 1986 = *Neoprotencrinus subplanus*

*Erisocrinus typus* Tischler, 1963 (*non* Meek and Worthen, 1865) (part) = *Exaetocrinus maderaensis*

*Erisocrinus* sp. cf. *E. typus* Meek and Worthen, 1965. Strimple and Cocke, 1973, p. 156. Webster, 1977, p. 81.

Pennsylvanian, Missourian, Winterset Limestone. United States, Oklahoma

*Erisocrinus* sp. cf. *E. typus* Meek and Worthen, 1865. Pabian and Rushlau, 2002, p. 23, Fig. 6, nos. 4-5.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone Member, Haynies Limestone Bed; Stotler Formation, Dover Limestone Member. United States, Nebraska

*Erisocrinus wapanucka* (Strimple, 1961). Moore and Strimple, 1973, p. 61. Webster, 1977, p. 81. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705, Fig. 463, nos. 1g-1i. Webster, 1986, p. 142.

*Paradelocrinus wapanucka* Strimple, 1961d, p. 225, Pl. 1, figs. 7-9. Knapp, 1969, p. 352. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 192. Webster, 1977, p. 81.

*Cricocrinus wapanucka* (Strimple, 1961). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 81.

*Pontotocrinus wapanucka* (Strimple, 1961). Knapp, 1969, p. 352. Moore and Strimple, 1973, p. 61. Webster, 1977, p. 81.

Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma

*Erisocrinus whitei* Meek and Worthen, 1869 = *Graphiocrinus whitei*

*Erisocrinus whitei* Wachsmuth and Springer, 1886 = *Paradelocrinus planus* = *Sublobalocrinus planus*

*Erisocrinus* sp. B Pabian and Strimple, 1993, p. 24, Fig. 10, nos. g-i.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

*Erisocrinus* spp.

Termier, G. and Termier, H., 1950, p. 90, Pl. 217, figs. 19-21. Webster, 1973, p. 125.

Pennsylvanian, Westphalian. Algeria

- White, W. D., 1964, Figs. 25-26. Webster, 1977, p. 81 (probably *E. typus*).  
 Pennsylvanian. United States, Nebraska, Iowa
- Priest, 1971, p. 92, Pl. 1, fig. 3. Webster, 1977, p. 81.  
 No age or local given.
- Priest, 1973, p. 73, Fig. 1. Webster, 1977, p. 81.  
 Pennsylvanian. United States, Illinois
- Pabian and Strimple, 1974a, p. 256, Pl. 32, figs. 1-2. Webster, 1986, p. 142.  
 Pennsylvanian, Virgilian, Topeka Formation, Wolf River Limestone. United States, Nebraska
- Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 138, no. 3. Webster, 1986, p. 142.  
 Late Pennsylvanian. United States, Kansas
- Pabian and Strimple, 1978a, p. 53, Fig. 6, nos. A-F. Webster, 1986, p. 143.  
 Pennsylvanian, Bond Formation, LaSalle Limestone Member; Argentine Limestone. United States, Illinois, Iowa
- Bowsher and Strimple, 1986, p. 17, Fig. 63, nos. a-b. Webster, 1993, p. 58.  
 Pennsylvanian, Desmoinesian?, Gobbler Formation. United States, New Mexico
- Holterhoff, 1996, p. 184, Fig. 3, no. B. (diagramatic arm)  
 Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent
- Thomka et al., 2011, p. 381-382, Figs. 6, no. A-B; 7, nos. A-C.  
 Late Pennsylvanian, Barnsdall Formation. United States, northeastern Oklahoma

*Erisocrinus* sp. indet. Hashimoto, 1984, p. 15, Pls. 4, figs. 3a-4c; 10, figs. 4a-4c; Fig. 5, nos. 6a-7b. Webster, 1993, p. 58.  
 Pennsylvanian, Bashkirian, Moscovian, Akiyoshi Limestone Group, *Millerella yowarensis* and *Fusulinella biconica* Biozones. Japan

**ERLANGERACROCRINUS** Arendt, 1995. \**E. elongatus* Arendt, 1995.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae  
 Arendt, 1995a, p. 66. Arendt, 1995b, p. 80.  
 Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Moscovian species  
 Pennsylvanian, Moscovian. Russia

\**Erlangeracrocrinus elongatus* Arendt, 1995a, p. 67, Pl. 5, figs. 2a-2e; Fig. 2. Arendt, 1995b, p. 81, Pl. 5, figs. 2a-2e; Fig. 2, nos. 1-1c. Rozhnov, 2002, p. S546, Fig. 19 (diagramatic).  
 Pennsylvanian, Moscovian, Myachkova Horizon, Novlen Beds. Russia, Moscow Basin

Family Erisocrinidae? Genus and species indet. Lane, N. G., 1979, p. 130, Pl. 1, fig. 21. Webster, 1986, p. 143.  
 Permian, Guadalupian. Tunisia

**ESPANOCRINUS** Webster, 1976. \**E. lemonei* Webster, 1976.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Webster, 1976, p. 681. Moore and Lane *in* Moore and Teichert, 1978, p. T532.

Harvey and Ausich, 1997, p. 301. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian. Spain

\**Espanocrinus lemonei* Webster, 1976, p. 682, Pl. 103, figs. 1-4; Fig. 1. Moore and Lane *in* Moore and Teichert, 1978, p. T532. Webster, 1986, p. 143.

Devonian, Emsian, *Trybliocrinus flatheanus* Beds. Spain, Bay of Arnao

**ESTENOCRINUS** Rozhnov, 2007 = **EUSTENOCRINUS**

**ESTHONOCRINUS** Jaekel, 1918. \**E. laevior* Jaekel, 1918

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Jaekel, 1918, p. 52. Bassler, 1938, p. 96. Bassler and Moodey, 1943, p. 460. Moore and Laudon, 1943b, p. 52. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 125. Moore and Lane *in* Moore and Teichert, 1978, p. T610. Webster, 1986, p. 143. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Sandbian species

Ordovician, Sandbian. Estonia

*Esthonocrinus compactus* Jaekel, 1918, p. 53. Bassler and Moodey, 1943, p. 460.

Ordovician, Sandbian, Jewe Limestone. Estonia

\**Esthonocrinus laevior* Jaekel, 1918, p. 52, Fig. 40. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 460. Arendt and Hecker, 1964, p. 86, Fig. 127. Webster, 1973, p. 125. Moore and Lane *in* Moore and Teichert, 1978, p. T610, Fig. 396, no. 3. Webster, 1986, p. 143.

Ordovician, Sandbian, Jewe Limestone. Estonia

**ETHELOCRINUS** Kirk, 1937. \**Eupachycrinus magister* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Kirk, 1937c, p. 605. Bassler, 1938, p. 96. Moore and Plummer, 1938, p. 255. Moore and Plummer, 1940, p. 371. Bassler and Moodey, 1943, p. 460. Moore and Laudon, 1943b, p. 62. Moore and Laudon, 1944, p. 175. Strimple and Moore, 1971a, p. 24. Webster, 1973, p. 125. Webster, 1977, p. 81. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 457. Webster, 1981, p. 1192, Fig. 1. Webster, 1986, p. 143. Webster, 1988, p. 83.

Named, currently recognized species based on cups or crowns: 8 species. 1

Mississippian, Serpukhovian; 7 Pennsylvanian, 1 Desmoinesian, 3 Missourian, 1 Missourian or Virgilian, 2 Late Pennsylvanian series undesignated

Mississippian?, Serpukhovian? (Chesterian?), Middle Pennsylvanian, Desmoinesian - Virgilian. United States

*Ethelocrinus ardmorensis* Strimple, 1949 = *Goleocrinus ardmorensis*

*Ethelocrinus bassetti* (Worthen, 1875). Moore and Plummer, 1940, p. 378. Bassler and Moodey, 1943, p. 460.

*Eupachyocrinus bassetti* Worthen, 1875, p. 528, Pl. 32, fig. 2. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 460  
Late Pennsylvanian, series not given. United States, Illinois

*Ethelocrinus convexus* Strimple, 1938 = *Ulocrinus convexus*

*Ethelocrinus costalis* Moore and Plummer, 1938 = *Dicromyocrinus? costalis*

*Ethelocrinus crassus* (Meek and Worthen, 1860). Moore and Plummer, 1940, p. 74 (given as *Parulocrinus crassus* p. 76). Bassler and Moodey, 1943, p. 460.

*Cyathocrinus? crassus* Meek and Worthen, 1860, p. 392. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 460.

*Cyathocrinus crassus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 235.

*Zeacrinus? crassus* (Meek and Worthen, 1860). Worthen, 1866, p. 314, Pl. 26, figs. 2a-2b: Fig. 32. Miller, S. A., 1889, p. 288. Lesley, 1889, p. 1281, Figs. 2a-2b. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 461.

*Eupachyocrinus crassus* (Meek and Worthen, 1860). Wachsmuth and Springer, 1880 (1879), p. 138 (361). Miller, S. A., 1889, p. 245, Fig. 304. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 461.

Late Pennsylvanian, series not given. United States, Illinois

*Ethelocrinus expansus* Strimple, 1938 = *Parethelocrinus expansus* = \**Aaglaocrinus expansus*

*Ethelocrinus harii* (Miller, 1891). Moore and Plummer, 1940, p. 74. Bassler and Moodey, 1943, p. 461.

*Eupachyocrinus harii* Miller, S. A., 1891c, p. 71 (adv. pub.). Miller, S. A., 1892a, p. 678, Fig. 1229. Miller, S. A., 1892b, p. 681, Pl. 11, fig. 8. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 461.

*Eupachyocrinus? harii* Miller, 1891. Keyes, 1894a, p. 218, Pl. 28, fig. 3. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 461.  
Pennsylvanian, Missourian. United States, Missouri

*Ethelocrinus hispidus* Moore and Plummer, 1938 = *Dicromyocrinus? hispidus*

*Ethelocrinus iatani* Strimple, 1949 = *Aaglaocrinus iatani* = *Parethelocrinus iatani* = *Synarmocrinus iatani*

*Ethelocrinus? kirki* Elias, 1957, p. 385, Pl. 41, figs. 4-5. Webster, 1973, p. 273 (theca plates).

Mississippian, Serpukhovian (Chesterian), Goddard Shale, Redoak Hollow Member. United States, Oklahoma

- \**Ethelocrinus magister* (Miller and Gurley, 1890). Kirk, 1937c, p. 606. Bassler and Moodey, 1943, p. 461. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 13. Moore and Laudon, 1944, p. 175, Pl. 65, fig. 33. Webster, 1973, p. 125. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 455, no. 4. Webster, 1986, p. 143.
- Eupachyocrinus magister* Miller and Gurley, 1890a, p. 4, Pl. 1, figs. 1-2. Miller and Gurley, 1892a, p. 678. Miller and Gurley, 1890b, p. 4, Pl. 1, figs. 1-2. Weller, S., 1898c, p. 265. Schmidt, H., 1929, p. 84, Pl. 21, fig. 1. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 461.  
Pennsylvanian, Missourian, Lane Shale. United States, Missouri
- Ethelocrinus magnus* Strimple, 1949 = *Parethelocrinus magnus* = *Aglaocrinus magnus*
- Ethelocrinus millsapensis* Moore and Plummer, 1940 = *Parethelocrinus millsapensis* = *Aglaocrinus millsapensis*
- Ethelocrinus monticulatus* (Beede, 1899). Moore and Plummer, 1940, p. 255. Moore, 1939b, p. 247. Bassler and Moodey, 1943, p. 461.
- Cerocrinus monticulatus* Beede, 1899, p. 123, Pl. 32, fig. 2. Bassler and Moodey, 1943, p. 461.
- Sphenarthropterum monticulatum* (Beede, 1899). Moore, 1939b, p. 247 (brachial). Pennsylvanian, Missourian or Virgilian, shale above Osage coal; Virgilian, Howard Limestone. United States, Kansas
- Ethelocrinus oklahomensis* Moore and Plummer, 1938 = *Paracromyocrinus oklahomensis* = *Aglaocrinus oklahomensis*
- Ethelocrinus papulosus* Moore and Plummer, 1938 = *Metacromyocrinus papulosus* = *Synarmocrinus papulosus*
- Ethelocrinus peridous* Strimple, 1949 = *Parethelocrinus magnus* = *Aglaocrinus magnus*
- Ethelocrinus plattsburgensis* Strimple, 1938 = *Parethelocrinus plattsburgensis* = *Parulocrinus plattsburgensis*
- Ethelocrinus sphaeralis* (Miller and Gurley, 1890a). Moore and Plummer, 1940, p. 378. Bassler and Moodey, 1943, p. 461. Moore and Laudon, 1944, p. 175, Pl. 65, fig. 30. Webster, 1973, p. 125.
- Eupachyocrinus sphaeralis* Miller and Gurley, 1890a, p. 5, Pl. 1, figs. 3-4. Miller and Gurley, 1890b, p. 5, Pl. 1, figs. 3-4. Miller and Gurley, 1891, p. 329, Pl. 1, figs. 3-4. Miller, S. A., 1892a, p. 678. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 461.  
Pennsylvanian, Missourian, Lane Shale. United States, Missouri, Oklahoma
- Ethelocrinus sphaeri* Strimple, 1949 = *Aglaocrinus sphaeri*

*Ethelocrinus subsinuatus* Moore and Plummer, 1938 = *Dicromyocrinus subsinuatus*

*Ethelocrinus texasensis* Moore and Plummer, 1938 = *Paracromyocrinus oklahomensis*  
= *Dicromyocrinus texasensis*

*Ethelocrinus tuberculatus* (Meek and Worthen, 1865). Moore and Plummer, 1940, p. 152. Bassler and Moodey, 1943, p. 462.

*Erisocrinus tuberculatus* Meek and Worthen, 1865b, p. 150. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 243. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 462

*Eupachyocrinus tuberculatus* (Meek and Worthen, 1865). Meek and Worthen, 1873, p. 566, Pl. 29, fig. 9. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 266. Grabau and Shimer, 1910, p. 513. Bassler and Moodey, 1943, p. 462.

Pennsylvanian, Desmoinesian, Virgilian, Cisco Formation, Strawn Formation. United States, Illinois, Texas

*Ethelocrinus variabilis* Strimple, 1949 = *Parethelocrinus variabilis*

*Ethelocrinus watkinsi* Strimple, 1949 = *Parethelocrinus watkinsi*

*Ethelocrinus* spp.

White, W. D., 1964, Figs. 15, 17. Webster, 1977, p. 81.

Pennsylvanian. United States, Nebraska, Iowa

Holterhoff, 1996, p. 184, Fig. 3, no. A. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

Eucalyptocrinitidae indeterminate Ausich and Copper, 2010, p. 32, unfig.

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

**EUCALYPTOCRINITES** Goldfuss, 1831. \**E. rosaceus* Goldfuss, 1831.

Sbc. Camerate, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Eucalyptocrinitidae

Goldfuss, 1826, p. 214. Fischer de Waldheim, 1834, p. 322. Bronn, 1837, p. 66.

Bronn, 1848, p. 474. Quenstedt, 1885, p. 963. Bassler, 1915, p. 501. Bassler,

1938, p. 96. Bassler and Moodey, 1943, p. 462. Moore and Laudon, 1943b, p.

99, Fig. 17. Moore and Laudon, 1944, p. 201, Pl. 71, fig. 2. Ubaghs, 1953, p.

742, Figs. 116-117. Arendt and Hecker, 1964, p. 97. Moore and Jeffords, 1968,

p. 16, Fig. 5, no. 1. Walker, 1973, p. 5.8, Fig. 9. Zeigler and Ginsburg, 1973, p.

6.13, Figs. 6.9-6.10. Webster, 1973, p. 125. Webster, 1977, p. 82. Ubaghs in

Moore and Teichert, 1978, p. T495. Witzke and Strimple, 1981, p. 127.

Siemann-

Gartmann, 1983, p. 56, Fig. I. Prokop, 1986, p. 354. Webster, 1986, p. 143. Jell

*et al.*, 1988, p. 375. Webster, 1988, p. 84. Webster, 1993, p. 58. Hauser, 1997,

p.

174, Fig. 47. Hauser, 2001, p. 57, Fig. 39. Donovan, 2006a, p. 399. Donovan,

2009b, p. 89. LeMenn, 2009, p. 472, Fig. 7.30, no. a. Ausich and Copper, 2010,

p. 29. Donovan *et al.*, 2012, p. 193.



- CRINOCYSTITES* Hall, 1865a, p. 317. Hall, 1868, p. 317. \**C. chrysalis* Hall, 1865. Foerste, 1920, p. 67. Bassler, 1938, p. 75. Bassler and Moodey, 1943, p. 462. Ubaghs *in* Moore and Teichert, 1978, p. T495. Donovan et al., 2012, p. 193.
- CRINOCYSTIS* Haeckel, 1896, p. 69. Bather *in* Lankester, 1900, p. 77. Bassler, 1938, p. 75. Bassler and Moodey, 1943, p. 462. Ubaghs *in* Moore and Teichert, 1978, p. T495.
- EUCALYPTOCRINUS* Goldfuss, 1831. Agassiz, 1835, p. 197. Roemer, C. F., 1844, p. 62. Bronn, 1848, p. 474. d'Orbigny, 1849-51, p. 141. d'Orbigny, 1850, p. 45. Sandberger and Sandberger, 1850-1856, p. 388, Unnum. Fig. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 257. Pictet, 1857, p. 307. Dujardin and Hupé, 1862, p. 115. Hall, 1864c, p. 321, Fig. 2. Hall, 1867b, p. 321, Fig. 2. Shumard, 1868, p. 370. Hall, 1870, p. 363. Angelin, 1878, p. 16. Zittel, 1880, p. 345, 379. Wachsmuth and Springer, 1885, p. 127 (349). Miller, S. A., 1889, p. 243. Steinmann and Döderlein, 1890, p. 154, 160. Lahusen, 1895, p. 152. Zittel, 1895, p. 133. Koken, 1896, p. 284. Wachsmuth and Springer, 1897, p. 332. Bather *in* Lankester, 1900, p. 164. Wachsmuth *in* Zittel, 1900, p. 148. Weller, S., 1900, p. 102. Grabau, 1901a, p. 157. Grabau, 1901b, p. 157. Steinmann, 1903, p. 176. Steinmann, 1907, p. 197. Grabau and Shimer, 1910, p. 557, Fig. 1891. Springer *in* Zittel, 1913, p. 192. Bassler, 1915, p. 501. Springer, 1926a, p. 35. Bassler, 1938, p. 96. Bassler and Moodey, 1943, p. 462. Cuénot, 1948, p. 69.
- Webster, 1973, p.125. Ubaghs *in* Moore and Teichert, 1978, p. T495.
- EUCALYPTROCRINITES* Geinitz, 1846, p. 551. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 462. Ubaghs *in* Moore and Teichert, 1978, p. T495.
- HYPANTHOCRINITES* Phillips *in* Murchison, 1839, p. 672. \**H. decorus* Phillips *in* Murchison, 1839. Miller, S. A., 1889, p. 256. Zittel, 1895, p. 133. Bassler, 1915, p. 502. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 462. Ubaghs *in* Moore and Teichert, 1978, p. T495.
- HYPANTHOCRINUS* Phillips, 1839. d'Orbigny, 1849-51, p. 141. Morris, J., 1843, p. 59. Hall, 1852a, p. 178. Bigsby, 1868, p. 20. Salter, 1873, p. 119. Angelin, 1878, p. 17. Zittel, 1880, p. 345, 380. Koken, 1896, p. 284. Wachsmuth *in* Zittel, 1900, p. 149. Bassler, 1915, p. 502. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 462. Ubaghs *in* Moore and Teichert, 1978, p. T495.
- Named, currently recognized species based on cups or crowns: 50 species, 1 subspecies. 45 Silurian, 4 Llandoveryan, 1 Llandoveryan – Wenlockian, 12 Wenlockian, 27 Niagaran, 1 Niagaran subspecies, 1 Ludlovian; 5 Devonian, 4 Pragian, 1 Early Devonian undesignated
- Silurian, Llandoveryan - Niagaran. United States  
 Silurian, Wenlockian, Devonian, Eifelian. Europe  
 Early Devonian, Pragian. Czech Republic, Australia, Russia

*Eucalyptocrinites aberrans* Widdison *in* Donovan et al., 2012, p. 195, Pl. 46, Fig. 2.  
 Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland

*Eucalyptocrinites archaios* Ausich and Copper, 2010, p. 31, Pl. 6, figs. 2-3.

Silurian, Llandoveryan, Jupiter Formation Ferrum Member. Canada, Quebec,  
Anticosti island

*Eucalyptocrinites asper* (Weller, 1900). Bassler and Moodey, 1943, p. 462.

*Eucalyptocrinus asper* Weller, S., 1900, p. 110, Pl. 5, figs. 4-7. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 462.

Silurian, late Niagaran, Racine Dolomite. United States, Illinois

*Eucalyptocrinites bordeni* (Roy, 1929). Bassler and Moodey, 1943, p. 462.

*Eucalyptocrinus bordeni* Roy, 1929, p. 203, Pl. 32, figs. 5-6. Bassler and Moodey, 1943, p. 462.

Silurian, middle Niagaran, Louisville Limestone. United States, Kentucky

*Eucalyptocrinites caelatus* (Hall, 1843). Bassler and Moodey, 1943, p. 462. Bolton, T. E., 1966, p. 26, Pl. 10, fig. 10. Macurda, 1968, p. 115, Figs. 9, no. B; 10, no. H (typographical error as *E. coelatus* in figure explanations). Webster, 1973, p. 126. Webster, 1977, p. 82. Brett, 1978b, p. 224, Figs. 6, no. B; 7; 8. Conway Morris, 1981, p. 496, Pl. 1, figs. B-C. Brett and Eckert, 1982, p. 2, Figs. 2-3. nos. A-B, F; 4, nos. A-C. Brett, 1985b, p. 629, Figs. 4-5. Brett and Baird, 1986, p. 212, Fig. 6, nos. A-B. Webster, 1986, p. 143. Webster, 1988, p. 84. Boucot, 1990, p. 35, Figs. 24, nos. A-B; 25, nos. A-B. Webster, 1993, p. 58. Brett and Taylor *in* Brett and Baird, 1997, p. 196, Fig. 8.5, no. B. Taylor and Brett *in* Hess et al., 1999 p. 89, Fig. 105.

*Hypanthocrinites caelatus* Hall, 1843a, p. 113, Pl. 18, fig. 1; Fig. 41, no. 1. Miller, S. A., 1889, p. 256. Bassler, 1915, p. 502.

*Eucalyptocrinus caelatus* (Hall, 1843). d'Orbigny, 1850, p. 45. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 260. Hall, 1852a, p. 210, Pl. 47, figs. 4a-4e. Dujardin and Hupé, 1862, p. 116. Hall, 1863a, p. 32. Hall, 1864b, p. 226. Hall, 1864c, p. 329. Hall, 1870, p. 366, Figs. 1-2. Hall, 1879a, p. 142, Pls. 16, figs. 1-10; 19, figs. 1-3. Hall, 1882b, p. 274, Pls. 15, fig. 2; 16, figs. 1-10; 19, figs. 1-3 (*non* Pl. 15, fig. 1 as given p. 274). Lesley, 1889, p. 228, Fig. 41.1. Wachsmuth and Springer, 1897, p. 336, Pl. 83, figs. 5-7. Frech, 1902, Pl. 11, fig. 12. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 462.

*Hypanthocrinites coelatus* Hall, 1843. Shumard, 1868, p. 370 (sic). Bigsby, 1868, p. 20 (sic).

*Eucalyptocrinus coelatus* (Hall, 1843). Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Grabau and Shimer, 1910, p. 559.

*Eucalyptocrinus papulosus* Hall, 1852a, p. 211, Pl. 47, figs. 5a-5b. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 260. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 462.

*Hypanthocrinus papulosus* (Hall, 1852). Bigsby, 1868, p. 21 (sic).

Silurian, early Llandoveryan - middle Wenlockian, Brassfield Limestone; Rochester Shale, Lewiston Member, *Homocrinus* Beds; Louisville Limestone; Racine Dolomite. Canada, Ontario; United States, Kentucky, New York, Wisconsin

*Eucalyptocrinites caelatus levis* (Grabau and Shimer, 1910). Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus coelatus* var. *levis* Grabau and Shimer, 1910, p. 558, Figs. 1893-1894 (sic).

*Eucalyptocrinus caelatus* var. *levis* Grabau and Shimer, 1910. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 463.

*Hypanthocrinites decorus* Hall, 1843a (*non* Phillips, 1839), p. 133, Pl. 18, figs. 2-3; Fig. 41, nos. 2-3. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus decorus* (Hall, 1843). Hall, 1852a, p. 207, Pls. 47, figs. 1-3; 85, fig. 7. Grabau, 1901a, p. 157, Fig. 53. Grabau, 1901b, p. 157, Fig. 53. Bassler, 1915, p. 502. Bassler and Moodey, 1943, p. 463.

*Hypanthocrinus decorus* (Hall, 1843). Marcou, 1853, p. 27, Pl. 2, fig. 8. Bassler, 1915, p. 502.

Silurian, late Niagaran, Rochester Shale. United States, New York

*Eucalyptocrinites chicagoensis* (Winchell and Marcy, 1865). Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus chicagoensis* Winchell and Marcy, 1865, p. 90. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 503. Bassler and Moodey, 1943, p. 463.

*Hypanthocrinus chicago-ensis* (Winchell and Marcy, 1865). Bigsby, 1868, p. 20. Silurian, late Niagaran, Racine Dolomite. United States, Illinois.

*Eucalyptocrinites chrysalis* (Hall, 1864). Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus chrysalis* Hall, 1864c, p. 14, Pl. 1, figs. 10-11 (adv. pub.). Hall, 1867b, p. 318, Pl. 12-A, figs. 10-11. Hall, 1870, p. 362, Pl. 12-A, figs. 10-11. Foerste, 1920, p. 67, Pl. 1, figs. 2a-2b. Bassler and Moodey, 1943, p. 463.

*Crinocystites chrysalis* (Hall, 1864). Bassler, 1938, p. 75.

Silurian, late Niagaran, Racine Dolomite. United States, Wisconsin

*Eucalyptocrinites conicus* Troost, 1850 = *Eucalyptocrinites milliganae*

*Eucalyptocrinites crassus* (Hall, 1863). Quenstedt, 1885, p. 964, Pl. 78, fig. 20.

Bassler and Moodey, 1943, p. 463. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 16. Moore and Laudon, 1944, p. 201, Pl. 75, fig. 24. La Rocque and Marple, 1955, p. 73, Fig. 148. Rose, 1967, p. 122, Pl. 8, fig. 2. Macurda, 1968, p. 113, Figs. 7, no. E; 8, nos. C, E-G, I-K; 9, nos. C, H-I; 10, no. C (*non* fig. 8, no. H, as misnumbered in figure explanation). Douglas, 1969, p. 224, Figs. 1-2. Priest, 1972, p. 86, Fig. 3, p. 87. Kesling *et al.*, 1973, p. 2, Figs. 1-21. Webster, 1973, p. 126. Turek, 1988, p. 380, Fig. 4. Turek, 1977, p. 82. Ubaghs *in* Moore and Teichert, 1978, p. T496, Fig. 299, no. 1f. Witzke and Strimple, 1981, p. 130, Fig. 18, no. M-P. Liddell and Brett, 1982, p. 68, Figs. 2, no. C; 3, nos. A, G. Wolf, 1983, p. 34, Pl. 24, fig. 1. Brett and Baird, 1986, p. 212, Fig. 6, nos. C-D. Webster, 1986, p. 144. Webster, 1988, p. 84. Feldman, 1989, p. 146, Fig. 4. Webster, 1993, p. 58. Kahrs, 1995, p. 49, Figs. 1-3. Peters and Bork, 1999, p. 239, Figs. 8-9. Stinchcomb, 2008, p. 84, Fig. 05-12.

*Eucalyptocrinus crassus* Hall, 1863a, p. 3. Hall, 1864b, p. 197. Hall, 1864c, p. 323, Pl. 11, figs. 2-3; Fig. 2. Hall, 1865, p. 19, Pl. 2, figs. 2-3. Hall, 1867b, p. 323, Pl. 11, figs. 2-3; Fig. 2. Shumard, 1868, p. 370. Hall, 1870, p. 365, Pl. 11, figs. 2-3. Hall and Whitfield, 1875a, p. 129, Pl. 6, fig. 11. Wetherby, 1879a, p. 5, Pl. 8, figs.

- 5-8. Hall, 1879a, p. 141, Pls. 17, figs. 1-11; 18, figs. 1-9; 19, figs. 2, 4-5. White, C. A., 1881a, p. 495, Pl. 3, fig. 1. Wilson, C. E., 1881b, p. 127, Pl. 3, fig. 1. Hall, 1882b, p. 272, Pls. 17, figs. 1-11; 18, figs. 1-9; 19, figs. 2, 4-5. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 342, Pl. 81, figs. 1-6, 14-15. Weller, S., 1900, p. 25, Pl. 5, figs. 1-2; Fig. 6. Grabau and Shimer, 1910, p. 558, Figs. 1803, 1895. Bassler, 1915, p. 503. Foerste, 1917b, p. 181, Pl. 23, fig. 13. Springer, 1926a, p. 39, Pl. 7, figs. 19-20. Bassler and Moodey, 1943, p. 463. Wilson, C. E., 1948, p. 158, Pl. 25, figs. 1-2. Wilson, C. E., 1949, p. 251, Pl. 25, figs. 1-2. Webster, 1973, p. 126. Conkin and Conkin, 1976, p. 217, Pl. 2. Webster, 1977, p. 82.
- Hypanthocrinus crassus* (Hall, 1863). Bigsby, 1868, p. 21.
- Eucalyptocrinus constrictus* Hall, 1879c, p. 10. Hall, 1882a, p. 66. Hall, 1882b, p. 273, Pl. 15, fig. 1. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 503. Bassler and Moodey, 1943, p. 463.
- Eucalyptocrinus* sp. undet. Worthen, 1875, Pl. 24, figs. 2-2a. Bassler, 1915, p. 503. Silurian, Wenlockian, Waldron Shale; Gower Dolomite. United States, Tennessee, Indiana, Iowa, Illinois, Wisconsin, Ohio
- Eucalyptocrinites* cf. *crassus* (Hall, 1863). Milicina, 2000a, p. 60, Pl. 9, figs. 3-4; Fig. 6. Milicina, 2000b, p. 66, Pl. 9, figs. 3-4; Fig. 6. Silurian Ludlovian, Isovskoi Horizon. Russia, east slope Ural Mountains
- Eucalyptocrinites* sp. cf. *E. crassus* Hall, 1863. Donovan *et al.*, 1996, p. 377, Fig. 4, no. C. Silurian, Wenlockian, Thornton Reef Complex. United States, Illinois
- Eucalyptocrinites crenatus* Troost in Wood, 1909 = *Eucalyptocrinites ventricosus*
- Eucalyptocrinites decoratus* (Angelin, 1878). Bassler and Moodey, 1943, p. 463. *Eucalyptocrinus decoratus* Angelin, 1878, p. 17, Pl. 5, figs. 4-4a. Bassler and Moodey, 1943, p. 463. Donovan *et al.*, 2012, p. 198, Fig. 85, nos. A-C. Silurian, Wenlockian. Sweden, Isle of Gotland  
Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland
- Eucalyptocrinites decorus* (Phillips, 1839). Bassler and Moodey, 1943, p. 463. White, E., 1964, p. 98, Pl. 23, fig. 1. Macurda, 1968, Fig. 9, no. F. Webster, 1973, p. 126. Watkins and Hurst, 1977, p. 210, Figs. 4; 6, no. 6. Webster, 1977, p. 82. Webster, 1986, p. 144. Donovan *et al.*, 2008b, p. 336, Fig. 15.2, no. 2. Donovan, 2009, p. 160, Fig. 8. Donovan *et al.*, 2012, p. 192, Pl. 51, figs. 1, 3; Fig. 83.
- Hypanthocrinites decorus* Phillips in Murchison, 1839, p. 672, Pl. 17, fig. 3. Garner, 1844, p. 458, Pl. A, figs. 1-3. Marcou, 1853, p. 27, Pl. 2, fig. 8. Miller, S. A., 1889, p. 256. Bassler and Moodey, 1943, p. 463.
- Hypanthocrinus decorus* (Phillips in Murchison, 1839). Bronn, 1848, p. 474. Bigsby, 1868, p. 21. Salter, 1873, p. 120, Unnum. Figs. p. 92, 119, 120. Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus decorus* (Phillips in Murchison, 1839), p. 246, Pl. 14, fig. 2. Bronn, 1848, p. 474. d'Orbigny, 1850, p. 45. Roemer, C. F. in Bronn and Roemer, 1851, p. 259. Emmons, 1855, p. 222, Unnum. Fig. Hall, 1861e, p. 55, Pl. 7, fig. 6. Dujardin and Hupé, 1862, p. 116. Shumard, 1868, p. 370. Murchison, 1872, p. 223, Pl. 14, figs. 1-2. Miller, S. A., 1889, p. 244. Grabau, 1901a, p. 157, Fig. 53. Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus (Hypanthocrinites) decorus* (Phillips in Murchison, 1839). Murchison, 1859, p.246, Pl. 14, figs. 2-2a.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Scotland

*Eucalyptocrinus (Hypanthocrinites) decorus* (Phillips in Murchison, 1839) =  
*Eucalyptocrinites decorus*

*Eucalyptocrinites depressus* (Miller, 1880). Bassler and Moodey, 1943, p. 463. Witzke and Strimple, 1981, p. 130, Pl. 4, figs. 12-14. Webster, 1988, p. 84.

*Eucalyptocrinus depressus* Miller, S. A., 1880c, p. 232, Pl. 7, figs. 1-1b. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 349, Pl. 83, figs. 3, 4a-4b. Weller, S., 1900, p. 114, Pl. 7, figs. 5-7. Bassler, 1915, p. 503. Bassler and Moodey, 1943, p. 463.

Silurian, Llandoveryian, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Eucalyptocrinites egani* (Miller, 1880). Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus (Hypanthocrinus) egani* Miller, S. A., 1880b, p. 140, Pl. 4, fig. 1. Bassler, 1915, p. 503. Bassler and Moodey, 1943, p. 463.

*Eucalyptocrinus egani* (Miller, 1880). Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 352, Pl. 82, figs. 11-12. Weller, S., 1900, p. 108, Pl. 7, fig. 4. Bassler, 1915, p. 503. Bassler and Moodey, 1943, p. 464.

Silurian, late Niagaran, Racine Dolomite. United States, Illinois

*Eucalyptocrinites elegantissimus* (Angelin, 1878). Bassler and Moodey, 1943, p. 464.

*Eucalyptocrinus elegantissimus* Angelin, 1878, p. 16, Pl. 24, fig. 15. Bassler and Moodey, 1943, p. 464.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Eucalyptocrinites ellipticus* (Miller, 1891). Bassler and Moodey, 1943, p. 464.

*Eucalyptocrinus ellipticus* Miller, S. A., 1891c, p. 38 (adv. pub.). Miller, S. A., 1892a, p. 678. Miller, S. A., 1892b, p. 648, Pl. 7, fig. 4. Bassler, 1915, p. 503.

Bassler

and Moodey, 1943, p. 464.

Silurian, middle Niagaran, Waldron Shale. United States, Indiana

*Eucalyptocrinites elrodi* (Miller, 1891). Bassler and Moodey, 1943, p. 464. Webster, 1973, p. 126. Webster, 1977, p. 82. Kahrs, 1995, p. 48, Figs. 1-2.

*Eucalyptocrinus elrodi* Miller, S. A., 1891c, p. 40 (adv. pub.). Miller, S. A., 1892a, p. 678. Miller, S. A., 1892b, p. 650, Pl. 7, figs. 9-10. Wachsmuth and Springer, 1897, p. 339, Pl. 81, figs. 7-13. Miller, S. A., 1897, p. 745, Figs. 1351-1352.

Grabau and Shimer, 1910, p. 559, Fig. 1896. Bassler, 1915, p. 503. Springer,

- 1926a, p. 36, Pl. 8, figs. 1-2. Bassler and Moodey, 1943, p. 464. Wilson, C. W., 1948, p. 158, Pl. 25, fig. 10. Wilson, C. W., 1949, p. 251, Pl. 25, fig. 10. Webster, 1973, p. 126. Webster, 1977, p. 82.
- Eucalyptocrinus caelatus* Hall, 1863a, p. 226. Hall, 1879a, p. 142, Pls. 16, figs. 1-10; 19, figs. 1, 3. Hall, 1882b, p. 274, Pls. 15, fig. 1; 16, figs. 1-10; 19, figs. 1, 3. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Eucalyptocrinus subglobosus* Miller, S. A., 1891c, p. 37 (adv. pub.). Miller, S. A., 1892a, p. 678. Miller, S. A., 1892b, p. 647, Pl. 7, fig. 3. Miller, S. A., 1897, p. 745, Fig. 1354. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464. Silurian, middle Niagaran, Waldron Shale. United States, Indiana, Tennessee
- Eucalyptocrinites excellentissimus* (Angelin, 1878). Bassler and Moodey, 1943, p. 464.
- Eucalyptocrinus excellentissimus* Angelin, 1878, p. 16, Pl. 5, fig. 5. Bassler and Moodey, 1943, p. 464. Silurian, Wenlockian. Sweden, Isle of Gotland
- Eucalyptocrinites extensus* (Troost in Wood, 1909) Troost in Wood, 1850a, p. 60. Troost in Wood, 1850b, p. 419. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Eucalyptocrinus extensus* Troost in Wood, 1909, p. 49, Pl. 13, figs. 9-10. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Hypanthocrinus extensus* (Troost, 1850). Bigsby, 1868, p. 21. Silurian, middle Niagaran, Beech River Formation. United States, Tennessee.
- Eucalyptocrinites floridus* Troost in Wood, 1909 = *Eucalyptocrinites milliganae*
- Eucalyptocrinites fonzi* Jell et al., 1988, p. 378, Figs. 15, nos. A-C; 16, no. C. Webster, 1993, p. 58. Devonian, Pragian (*kindlei* Biozone), Loyola Limestone. Australia, Victoria
- Eucalyptocrinites gibbosus* (Troost in Wood, 1909). Troost in Wood, E., 1850a, p. 61. Troost in Wood, 1850b, p. 419. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Eucalyptocrinus gibbosus* Troost in Wood, 1909, p. 54, Pl. 10, figs. 3-4. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Hypanthocrinus gibbosus* (Troost, 1850). Bigsby, 1868, p. 21. Silurian, middle Niagaran, Beech River Formation. United States, Tennessee
- Eucalyptocrinites goldfussi* (Troost in Wood, 1909). Troost, in Wood, E., 1850a, p. 60. Troost in Wood, 1850b, p. 419. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464. Ausich, 2009a, p. 487, suppl. p. 21.
- Eucalyptocrinus goldfussi* Troost in Wood, E., 1909, p. 52, Pl. 15, figs. 5-6. 1850). Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.
- Hypanthocrinus goldfussi* (Troost, 1850). Bigsby, 1868, p. 21.

Silurian, middle Niagaran, Beech River Formation. United States, Tennessee

*Eucalyptocrinites granulatus* (Lewis, 1846). Bassler and Moodey, 1943, p. 464.

*Hypanthocrinus granulatus* Lewis, W. S., 1846, p. 99, Pl. 21, figs. 1-5. Bigsby, 1868, p. 21. Angelin, 1878, p. 18, Pls. 6, figs. 3-4; 24, figs. 10-12; 29, figs. 69, 70, 74.

Bassler and Moodey, 1943, p. 464. Donovan et al., 2012, p. 196, Pls. 51, Fig. 2; 52, Fig. 1; Fig. 84.

*Eucalyptocrinus granulatus* (Lewis, 1846). Roemer, C. F. *in* Bronn and Roemer, 1851, p. 260. Dujardin and Hupé, 1862, p. 116. Wachsmuth and Springer, 1885, p. 133 (355). Bassler and Moodey, 1943, p. 464.

Silurian, Wenlockian, Wenlock Shale. Coalbrookdale Formation. United Kingdom, Walsall; Sweden, Isle of Gotland

*Eucalyptocrinites inchoatus* Philip, 1961, p. 150, Pl. 8, figs. 3-4, 9; Figs. 4-9. Webster, 1973, p. 126.

Early Devonian. Australia, Victoria

*Eucalyptocrinites inconspectus* (Ringueberg, 1884). Bassler and Moodey, 1943, p. 464.

*Eucalyptocrinus inconspectus* Ringueberg, 1884, p. 148, Pl. 3, fig. 5. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 346, Pl. 83, figs. 1-2. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 464.

Silurian, Niagaran, Gasport Limestone. United States, New York

*Eucalyptocrinites inexplicatus* (Waagen and Jahn, 1899). Prokop, 1986, p. 354, Pls. 2; 3, figs. 1-4; Fig. 2. Prokop and Petr, 1990, p. 29. Webster, 1993, p. 58.

*Encrinetes inexplicatus* Waagen and Jahn, 1899, p. 132, Pl. 59, figs. 10-14. Bassler and Moodey, 1943, p. 447. Prokop, 1986, p. 354. Prokop and Petr, 1990, p. 29.

Silurian - Early Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

*Eucalyptocrinites inornatus* (Weller, 1900). Bassler and Moodey, 1943, p. 465. Witzke and Strimple, 1981, p. 130, Pl. 4, figs. 17-18; Fig. 19. Webster, 1988, p. 84.

*Eucalyptocrinus inornatus* Weller, S., 1900, p. 115, Pl. 6, figs. 3-4. Bassler, 1915, p. 504. Bassler and Moodey, 1943, p. 465.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Eucalyptocrinites laevis* Troost *in* Wood, 1909, 1850 = *Eucalyptocrinites phillipsi*

*Eucalyptocrinites lindahli* (Wachsmuth and Springer, 1892). Bassler and Moodey, 1943, p. 465. Ausich, 2009a, p. 487, suppl. p. 22.

*Eucalyptocrinus lindahli* Wachsmuth and Springer, 1892, p. 139. Miller, S. A., 1892a, p. 678. Wachsmuth and Springer, 1897, p. 347, Pl. 82, fig. 9. Miller, S. A., 1897, p. 745. Wood, E., 1909, p. 47, Pl. 12, figs. 5-6. Bassler, 1915, p. 504. Springer, 1926a, p. 36, Pl. 8, figs. 4-5. Bassler and Moodey, 1943, p. 465.

*Eucalyptocrinites splendidus* Troost, 1850a, p. 60; 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 467.

- Eucalyptocrinus splendidus* (Troost, 1850). Shumard, 1868, p. 371 (*nomen nudum*). Hall and Whitfield, 1875a, p. 128, Pl. 6, fig. 12. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 467.
- Hypanthocrinus splendidus* (Troost, 1850). Bigsby, 1868, p. 21.
- Eucalyptocrinus wortheni* Miller and Gurley, 1893, p. 53, Pl. 4, fig. 2. Miller, S. A., 1897, p. 745. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465. Silurian, middle Niagaran, Beech River Formation; Cedarville Limestone. United States, Tennessee, Ohio
- Eucalyptocrinites magnus* (Worthen, 1875). Bassler and Moodey, 1943, p. 465. Webster, 1973, p. 126. Webster, 1977, p. 82. Liddell and Brett, 1982, p. 68, Fig. 2, no. F. Webster, 1988, p. 84.
- Eucalyptocrinus magnus* Worthen, 1875, p. 501, Pl. 25, fig. 3. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 348, Pl. 82, figs. 7-8. Weller, S., 1900, p. 116, Pl. 6, fig. 7. Grabau and Shimer, 1910, p. 560. Bassler, 1915, p. 505. Springer, 1926a, p. 36, Pl. 8, fig. 3. Bassler and Moodey, 1943, p. 465. Wilson, C. W., 1948, p. 158, Pl. 25, fig. 9. Wilson, C. W., 1949, p. 251, Pl. 25, fig. 9. Webster, 1973, p. 126. Webster, 1977, p. 82.
- Eucalyptocrinus gorbyi* Miller, S. A., 1891c, p. 39 (adv. pub.). Miller, S. A., 1892a, p. 678. Miller, S. A., 1892b, p. 649, Pl. 7, figs. 5-6. Miller, S. A., 1897, p. 745, Fig. 1353. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465. Silurian, Niagaran, Waldron Shale. United States, Tennessee
- Eucalyptocrinites milliganae* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 465. Strimple, 1963d, p. 105, Pl. 7, fig. 3. Webster, 1973, p. 126. Witzke and Strimple, 1981, p. 128, Fig. 16, no. F. Brett, 1984, p. 102, Fig. 9, no. B. Webster, 1988, p. 84. Newell, 2005, p. 31, Fig. 3, no. 13 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, suppl. p. 22.
- Eucalyptocrinus milliganae* Miller and Gurley, 1896c, p. 88, Pl. 5, figs. 4-6. Miller, S. A., 1897, p. 745. Wood, E., 1909, p. 50, Pl. 5, fig. 13. Bassler, 1915, p. 505. Springer, 1926a, p. 37, Pl. 8, figs. 6-8. Bassler and Moodey, 1943, p. 465. Cuénot, 1948, p. 38, Fig. 47. Webster, 1973, p. 126.
- Eucalyptocrinus milligani* (Miller and Gurley, 1896). Grabau and Shimer, 1910, p. 558, Fig. 1892.
- Eucalyptocrinites conicus* Troost *in* Wood, 1850a, p. 61. Troost *in* Wood, 1850b, p. 419. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465.
- Eucalyptocrinus conicus* (Troost *in* Wood, 1850). Shumard, 1866, p. 370. Shumard, 1868, p. 370. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 505.
- Eucalyptocrinus floridus* Troost *in* Wood, E., 1909, p. 50. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465. Silurian, middle Niagaran, Beech River Formation; Brownsport Formation; Henryhouse Formation. United States, Tennessee, Oklahoma
- Eucalyptocrinites minor* (Angelin, 1878). Bassler and Moodey, 1943, p. 465.
- Eucalyptocrinus minor* Angelin, 1878, p. 17, Pl. 6, figs. 1-1a; 24, figs. 9-9b. Bassler and Moodey, 1943, p. 465. Silurian, Wenlockian. Sweden, Isle of Gotland



- Eucalyptocrinites nashvillae* (Troost *in* Wood, 1909, 1850a, p. 60. Troost *in* Wood, 1850b, p. 419. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465.  
*Eucalyptocrinus nashvillae* Troost *in* Wood, E., 1909, p. 53, Pl. 15, figs. 7-8. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465.  
*Hypanthocrinus nashvillae* (Troost, 1850). Bigsby, 1868, p. 21. Silurian, middle Niagaran, Beech River Formation. United States, Tennessee
- Eucalyptocrinites nodulus* (Weller, 1900). Bassler and Moodey, 1943, p. 465.  
*Eucalyptocrinus nodulus* Weller, S., 1900, p. 109, Pl. 7, figs. 1-3. Bassler and Moodey, 1943, p. 465.  
*Eucalyptocrinus nodulosus* (Weller, 1900). Bassler, 1915, p. 505.  
*Eucalyptocrinus crassus* Hall, 1867b, p. 323, Pl. 10, figs. 2-3. Hall, 1870, p. 365, Pl. 10, figs. 2-3. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 465. Silurian, late Niagaran, Racine Dolomite. United States, Illinois
- Eucalyptocrinites obconicus* Hall, 1865 = *Archaeocalyptocrinus obconicus*
- Eucalyptocrinites ornatus* (Hall, 1861). Bassler and Moodey, 1943, p. 465.  
*Eucalyptocrinus ornatus* Hall, 1861b, p. 20. Hall, 1861e, p. 20. Hall, 1864c, p. 329, Pl. 11, figs. 4-5. Hall, 1865, p. 25, Pl. 3, figs. 4-5. Hall, 1867b, p. 329, Pl. 11, figs. 4-5. Shumard, 1868, p. 370. Hall, 1870, p. 366, Pl. 11, figs. 4-5. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 340, Pl. 82, fig. 10. Weller, S., 1900, p. 111, Pl. 6, figs. 5-6. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 465-466.  
*Hypanthocrinus ornatus* (Hall, 1861). Bigsby, 1868, p. 21. Silurian, late Niagaran, Racine Dolomite. United States, Wisconsin, Illinois
- Eucalyptocrinites* sp. (cf. *E. ornatus* Hall, 1861). Witzke and Strimple, 1981, p. 131, Pls. 4, figs. 19-25; 5, figs. 1-7; Fig. 18. Webster, 1988, p. 84. Silurian, Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa
- Eucalyptocrinites ovalis* (Hall, 1879). Troost, 1850a, p. 60 (*nomen nudum*). Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466. Kahrs, 1995, p. 50, Figs. 1-2. Ausich, 2009a, p. 487, suppl. p. 23.  
*Eucalyptocrinus ovalis* (Troost, 1850). Shumard, 1868, p. 370 (*nomen nudum*). Hall, 1877, Pl. 17, figs. 12-13 (by error as *E. ovatus* on plate explanation). Hall, 1879a, p. 143, Pl. 17, figs. 12-13. Hall, 1882b, p. 275, Pl. 17, figs. 12-13. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 344, Pl. 82, figs. 1-6. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466.  
*Hypanthocrinus ovalis* (Troost, 1850). Bigsby, 1868, p. 21.  
*Eucalyptocrinites tennesseae* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Shumard, 1868, p. 371. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466.  
*Hypanthocrinus tennesseae* (Troost, 1850). Bigsby, 1868, p. 21. Silurian, middle Niagaran, Beech River Formation; Waldron Shale; Louisville Limestone. United States, Tennessee, Indiana, Kentucky

- Eucalyptocrinites ovatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 466.  
*Eucalyptocrinus ovatus* Angelin, 1878, p. 17, Pl. 5, figs. 1-2a. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Eucalyptocrinites pernodosus* (Springer, 1926). Bassler and Moodey, 1943, p. 466.  
 Strimple, 1963d, p. 104, Pl. 7, figs. 1-2. Webster, 1973, p. 126. Clement and Broadhead, 1994, p. 47.  
*Eucalyptocrinus pernodosus* Springer, 1926a, p. 38, Pl. 9, figs. 1-4. Bassler and Moodey, 1943, p. 466.  
 Silurian, Niagaran, lower part of Decatur Limestone; Henryhouse Formation. United States, Tennessee, Oklahoma
- Eucalyptocrinites phillipsi* (Troost *in* Wood, 1909). Troost *in* Wood, 1850a, p. 60. Troost *in* Wood, 1850b, p. 419. Bassler and Moodey, 1943, p. 466. Ausich, 2009a, p. 487, suppl. p. 23.  
*Eucalyptocrinus phillipsi* Troost *in* Wood, E., 1909, p. 51, Pls. 10, figs. 9-10; 13, figs. 2-4. Shumard, 1868, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466.  
*Hypanthocrinus phillipsii* (Troost *in* Wood, 1909). Bigsby, 1868, p. 21.  
*Eucalyptocrinites laevis* Troost, 1850a, p. 60. Troost, 1850b, p. 419. Bassler, 1915, p. 506. Bassler and Moodey, 1943, p. 466.  
*Eucalyptocrinus laevis* (Troost *in* Wood, 1909). Shumard, 1866, p. 370. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 506.  
*Hypanthocrinus laevis* (Troost *in* Wood, 1909). Bigsby, 1868, p. 21.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Eucalyptocrinites plebejus* (Angelin, 1878). Bassler and Moodey, 1943, p. 466.  
*Eucalyptocrinus plebejus* Angelin, 1878, p. 17, Pl. 5, fig. 7. Bassler and Moodey, 1943, p. 466.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Eucalyptocrinites praerosaceus* (Yakovlev, 1940). Bassler and Moodey, 1943, p. 466.  
 Arendt and Hecker, 1964, p. 97, Pl. 15, fig. 7. Macurda, 1968, p. 108, Fig. 10, no. F. Webster, 1973, p. 126. Milicina, 1977a, p. 140, Pl. 57, fig. 1. Webster, 1986, p. 144. Jell *et al.*, 1988, p. 378, Figs. 15, no. D; 16, no. B. Webster, 1993, p. 58.  
*Eucalyptocrinus praerosaceus* Yakovlev, 1940a, p. 193, Unnum. Figs. Yakovlev, 1940b, p. 193, Unnum. Figs. Webster, 1973, p. 126.  
 Early Devonian, Pragian (*sulcatus* Biozone), Shield Creek Formation; Sarainin Horizon. Russia, East slope of Ural Mountains; Australia, Queensland
- Eucalyptocrinites proboscidualis* (Miller, 1882). Bassler and Moodey, 1943, p. 466.  
 Ubags *in* Moore and Teichert, 1978, p. T496, Fig. 299, no. 1d. Witzke and Strimple, 1981, p. 130, Pl. 4, figs. 15-16; Fig. 16, no. E. Webster, 1986, p. 144. Webster, 1988, p. 84. Ausich, 1996b, p. 247, Fig. 17-5, no. 15.  
*Eucalyptocrinus proboscidualis* Miller, S. A., 1882d, p. 224, Pl. 9, fig. 2. Miller, S. A.,

1889, p. 244. Wachsmuth and Springer, 1897, p. 352, Pl. 82, fig. 14. Bassler, 1915, p. 506. Foerste, 1920, p. 70, Fig. 4. Bassler and Moodey, 1943, p. 466. Silurian, Llandoverian, Cedarville Limestone; Hopkinton Dolomite, *Cyrtia* Beds. United States, Ohio, Iowa

*Eucalyptocrinites rectus* (Hall, 1864). Bassler and Moodey, 1943, p. 466.

*Crinocystites? rectus* Hall, 1864c, p. 14, Pl. 1, fig. 2. Hall, 1867b, p. 318, Pl. 10, fig. 2. Bassler and Moodey, 1943, p. 466.

*Rhodocrinus? rectus* (Hall, 1864). Hall, 1867b, p. 379, Pl. 10, fig. 2. Hall, 1870, p. 368, Pl. 10, fig. 2. Miller, S. A., 1889, p. 278. Bassler and Moodey, 1943, p. 466. Silurian, Niagaran, Racine Dolomite. United States, Wisconsin

*Eucalyptocrinites regularis* (Hisinger, 1840). Bassler and Moodey, 1943, p. 466.

*Actinocrinites regularis* Hisinger, 1840a, p. 6, Pl. 39, fig. 6. Hisinger, 1840b, p. 45. Bronn, 1848, p. 474.

*Eucalyptocrinus regularis* (Hisinger, 1840). Bronn, 1848, p. 474. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 260. Roemer, C. F. *in* Bronn, 1852-1854, p. 260. Dujardin and Hupé, 1862, p. 116. Wachsmuth *in* Zittel, 1900, p. 148, Fig. 251. Bassler and Moodey, 1943, p. 466.

*Actinocrinus regularis* (Hisinger, 1840). Bronn, 1848, p. 14. Bigsby, 1868, p. 196. Quenstedt, 1876, p. 636, Pl. 112, figs. 57-58. Bassler and Moodey, 1943, p. 466.

*Hypanthocrinus regularis* (Hisinger, 1840). Angelin, 1878, p. 17, Pls. 6, figs. 2-2c; 24, fig. 11-11f, 20; 29, figs. 35-64, 71. Zittel, 1880, p. 380, Fig. 266. Zittel, 1895, p. 133, Fig. 253. Bassler and Moodey, 1943, p. 467. Silurian, Wenlockian. Sweden, Isle of Gotland

*Eucalyptocrinites rigens* (Angelin, 1878). Bassler and Moodey, 1943, p. 467.

*Eucalyptocrinus rigens* Angelin, 1878, p. 17, Pls. 9, fig. 13; 24, figs. 16-19b, 21; 29, figs. 30-31. Bassler and Moodey, 1943, p. 467. Silurian, Wenlockian. Sweden, Isle of Gotland

\**Eucalyptocrinites rosaceus* Goldfuss, 1831, p. 214, Pl. 64, fig. 7. Bronn, 1837, p. 66, Pl. 4, figs. 11a-11c. Goldfuss, 1839, p. 335, Pl. 30, figs. 6a-6i. Steininger, 1853, p. 36. Quenstedt, 1867, p. 748, Pl. 69, figs. 23-24. Zittel, 1880, p. 379, Fig. 265, nos. a-d. Quenstedt, 1885, p. 963, Pl. 78, figs. 17-19 (Fig. 19 incorrectly given as *Eucalyptocrinus rosaceus* on plate explanation). Lahusen, 1895, p. 153, fig. 207, nos. a-d. Wachsmuth *in* Zittel, 1900, p. 148, Fig. 252, nos. A-D. Gürich, 1909, p. 110, Pl. 33, fig. 9. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 467. Ubaghs, 1953, p. 742, Figs. 116-117. Yakovlev, 1964b, p. 62, Fig. 79. Macurda, 1968, p. 108, Fig. 8, nos. A-B. D. Webster, 1973, p. 126. Webster, 1977, p. 82. Ubaghs *in* Moore and Teichert, 1978, p. T495, Fig. 299, nos. 1a-1c. Meyer and Ausich, 1983, p. 382, Fig. 1, no. a. Kowalski, 1985, p. 399, Fig. 40. Webster, 1986, p. 144. Jell *et al.*, 1988, p. 377, Figs. 15, nos. E-Q; 16, no. A. Webster, 1988, p. 84. Webster, 1993, p. 58. Hauser, 1997, p. 174, Pls. 29, figs. 1-4; 30, figs. 1-6. Hauser, 2001, p. 22, 57, Pls. 17, fig. 3; 26, figs. 1-4a, 6; Figs. 40-41. Donovan, 2009b, p. 89, Fig. 2.

*Eucalyptocrinus rosaceus* (Goldfuss, 1931). Bronn, 1848, p. 474. d'Orbigny, 1850, p. 45. Roemer, C. F. in Bronn and Roemer, 1851, p. 259, Pl. 4, figs. 11a-11c, 20a-20c. Pictet, 1857, p. 308, Pl. 100, figs. 1-1a. Bronn, 1860, Pl. 27, figs. 2A-2E. Dujardin and Hupé, 1862, p. 116. Schultze, 1866, p. 90 (adv. pub.) . Schultze, 1867, p. 202, Pl. 11, figs. 1-14. Neumayr, 1889, p. 466, Fig. 136, nos. a-b. Steinmann and Döderlein, 1890, p. 162, Fig. 161, nos. A-E. Zittel, 1895, p. 133, Fig. 254, nos. A-D. Holzapfel, 1895, p. 303. Frech, 1902, Pl. 27, figs. 13a-13c. Steinmann, 1903, p. 176, Fig. 244, nos. A-D. Steinmann, 1907, p. 197, Fig. 279, nos. A-E. Wanner, 1943, p. 35, Unnum. Fig. p. 35. Bassler and Moodey, 1943, p. 467. Webster, 1977, p. 82.

*Hypanthocrinus rosaceus* (Goldfuss, 1831). Bigsby, 1868, p. 21.

Devonian, Pragian (*sulcatus* Biozone), Eifelian, Lough Formation, Hustley Member. Germany

Devonian, Pragian, Garra Formation. Australia, New South Wales

*Eucalyptocrinus* ex aff. *rosaco* Goldfuss, 1838. Charlesworth, 1914, p. 345, Pl. 28, fig. 9 (sic).

Early Devonian, Riffkalfes. Germany, Eastern Alps

*Eucalyptocrinites rotundus* (Miller, 1882). Bassler and Moodey, 1943, p. 467.

*Eucalyptocrinus rotundus* Miller, S. A., 1882b, p. 82, Pl. 3, figs. 4-4a. Miller, S. A., 1889, p. 244. Weller, S., 1900, p. 113, Pl. 5, fig. 3. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 467.

Silurian, late Niagaran, Racine Dolomite. United States, Illinois

*Eucalyptocrinites sculptilis* (Springer, 1926). Bassler and Moodey, 1943, p. 467. Brett, 1984, p. 92, Fig. 1, no. C. Webster, 1988, p. 84.

*Eucalyptocrinus sculptilis* Springer, 1926a, p. 38, Pl. 9, figs. 5-6a. Bassler and Moodey, 1943, p. 467.

Silurian, Niagaran, Decatur Limestone. United States, Tennessee

*Eucalyptocrinites slocomi* Foerste, 1920 = *Archaeocalyptocrinus slocomi*

*Eucalyptocrinites speciosus* (Angelin, 1878). Bassler and Moodey, 1943, p. 467.

*Eucalyptocrinus speciosus* Angelin, 1878, p. 16, Pls. 5, figs. 3-3a; 29, figs. 27-29, 32-34. Bassler and Moodey, 1943, p. 467.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Eucalyptocrinites splendidus* Troost, 1850 = *Eucalyptocrinites lindahli*

*Eucalyptocrinites springeri* (Foerste, 1909). Bassler and Moodey, 1943, p. 467.

Macurda, 1968, p. 116, Fig. 10, no. B. Webster, 1973, p. 126.

*Eucalyptocrinus springeri* Foerste, 1909, p. 99, Pl. 4, fig. 73. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 467.

Silurian, Niagaran, Waldron Shale. United States, Tennessee

*Eucalyptocrinites tennesseae* Troost, 1850 = *Eucalyptocrinites ovalis*

- Eucalyptocrinites tuberculatus* (Miller and Dyer, 1878). Bassler and Moodey, 1943, p. 467. Macurda, 1968, p. 115, Figs. 8, no. I (*non* Fig. 8, no. H, as misnumbered in figure explanation); 9, nos. E, G; 10, nos. A, D-E, G. Webster, 1973, p. 126. Ubags in Moore and Teichert, 1978, p. T199, Fig. 168, no. 3. Webster, 1986, p. 144. Peters and Bork, 1998, p. 888, Figs. 1-2.
- Eucalyptocrinus tuberculatus* Miller and Dyer, 1878b, p. 36, Pl. 2, figs. 9-9a. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 537, Pl. 83, figs. 8-10. Grabau and Shimer, 1910, p. 560. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 467.
- Eucalyptocrinus muralis* Ringueberg, 1890, p. 305, Pl. 3, fig. 3. Miller, S. A., 1892a, p. 678. Bassler, 1915, p. 505. Bassler and Moodey, 1943, p. 467.
- Silurian, Niagaran, Waldron Shale; Racine Dolomite; Rochester Shale. United States, Indiana, Tennessee, Wisconsin, New York
- Eucalyptocrinites cf. E. tuberculatus* (Miller and Dyer, 1878). Brett, 1978b, p. 224, Fig. 6, no. A. Webster, 1986, p. 144.
- Silurian, Wenlockian, Rochester Shale. Canada, Ontario
- Eucalyptocrinites turbinatus* (Miller, 1882). Bassler and Moodey, 1943, p. 467.
- Eucalyptocrinus turbinatus* Miller, S. A., 1882b, p. 82, Pl. 3, figs. 5-5a. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 351, Pl. 82, fig. 13. Weller, S., 1900, p. 107, Pl. 6, figs. 1-2. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 467.
- Silurian, late Niagaran, Racine Dolomite. United States, Illinois
- Eucalyptocrinites veles* Prokop, 2009a, p. 33, Fig. 1, nos. A-E.
- Silurian, Ludlow, Ludfordian, Kopanina formation. Czech Republic
- Eucalyptocrinites ventricosus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 467. Ausich, 2009a, suppl p. 25.
- Eucalyptocrinus ventricosus* Wachsmuth and Springer, 1897, p. 341, Pl. 83, figs. 11-12. Miller, S. A., 1897, p. 745. Bassler, 1915, p. 507. Springer, 1926a, p. 37, Pl. 8, figs. 9-12. Bassler and Moodey, 1943, p. 467.
- Eucalyptocrinus caelatus* Roemer, C. F., 1860a (non Hall), p. 48, Pl. 4, figs. 3a-3e. Bassler, 1915, p. 507.
- Eucalyptocrinites crenatus* Troost in Wood, E., 1909, p. 54. Bassler, 1915, p. 507. Bassler and Moodey, 1943, p. 469.
- Eucalyptocrinus coelatus* Roemer, 1860. Bassler and Moodey, 1943, p. 468.
- Silurian, middle Niagaran, Beech River Formation. United States, Tennessee
- Eucalyptocrinites* sp. A Clement and Broadhead, 1994, p. 47.
- Silurian, Pridolian, lower part of Decatur Limestone. United States, Tennessee
- Eucalyptocrinites* sp. B Clement and Broadhead, 1994, p. 47.
- Silurian, Pridolian, upper part of Decatur Limestone. United States, Tennessee
- Eucalyptocrinites* sp. C Clement and Broadhead, 1994, p. 47.
- Silurian, Pridolian, upper part of Decatur Limestone. United States, Tennessee

- Eucalyptocrinites* sp. D Clement and Broadhead, 1994, p. 47.  
Silurian, Pridolian, lower part of Decatur Limestone. United States, Tennessee
- Eucalyptocrinites* sp. nov. Donovan et al., 2008a, p. 37, Fig. 6, nos. E-F.  
Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom
- Eucalyptocrinites* sp. in Twenhofel, 1928. Ausich and Copper, 2010, p. 32, Pl. 6, figs. 5-6.  
*Eucalyptocrinites* sp. Bolton, 1972, 1981. Ausich and Copper, 2010, p. 32.  
Silurian, Llandoveryian, Jupiter Formation, Pavillon Member. Canada, Quebec, Anticosti Island
- Eucalyptocrinites* sp. Bolton, 1972, 1981 = *Eucalyptocrinus* sp. in Twenhofel, 1928
- Eucalyptocrinites* spp.
- Wilson, C. W., 1948, p. 158, Pl. 25, fig. 8. Webster, 1977, p. 82 (arm fragment).  
Silurian, Niagaran, Waldron Shale. United States, Tennessee.
- Macurda, 1968, p. 115, Fig. 9, no. A. Webster, 1973, p. 126  
Silurian, Niagaran, Brownsport Formation. United States, Tennessee
- Macurda, 1968, p. 115, Fig. 10, no. I. Webster, 1973, p. 126.  
Silurian, Niagaran, Waldron Shale. United States, Indiana
- Halleck, 1973, p. 249, Figs. 1-4, 6-8. Webster, 1977, p. 82.  
Middle Silurian, Laurel Limestone, Waldron Shale. United States, Indiana
- Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 137, no. 3. Webster, 1986, p. 144.  
Late Silurian. Sweden, Isle of Gotland
- Ubaghs *in* Moore and Teichert, 1978, p. T496, Fig. 299, no. 1e. Webster, 1986, p. 144.  
Late Silurian. Sweden, Isle of Gotland
- Witzke and Strimple, 1981, p. 130, Fig. 18, nos. A-L. Webster, 1988, p. 85.  
Early Silurian. United States, Iowa
- Anderson, W. I., 1983, p. 100, Fig. 5.15. Webster, 1988, p. 85.  
Silurian, no locality data
- Liddell and Brett, 1982, p. 69, Figs. 1, 2, nos. A-B, D-E; 3, no. D. Webster, 1988, p. 85.  
Silurian, Wenlockian, Waldron Shale. United States, Tennessee
- Prokop, 1986, p. 357, Pl. 1, fig. 2. Prokop and Petr, 1990, p. 24 (interradial plates).  
Webster, 1993, p. 58.  
Early Devonian, early Emsian, Zlichov Formation, Chapel Horizon. Czech Republic, Bohemia
- Turek, 1988, p. 380, Fig. 5 (diagrammatic reconstruction).  
No age given
- Howell, 1995, p. 99, Pl. 4, fig. 2.  
Silurian. No locality given
- Brett, Moffat, and Taylor, 1997, p. 177, Fig. 4, no. 2.  
Silurian, Wenlockian, Waldron Shale. United States, Tennessee
- Donovan, 2009b, p. 90, Fig. 1.

Silurian?. United Kingdom, Scotland

*Eucalyptocrinus* sp.

Wilson, C. W., 1949, p. 251, Pl. 25, figs. 3-8. Webster, 1973, p. 126.

Silurian, Niagaran, Waldron Shale. United States, Tennessee

Conkin and Conkin, 1984, p. 39, Fig. 7. Webster, 1988, p. 85.

Silurian, Niagaran, Waldron Shale. United States, Indiana

Brett, 1991, p. 321, Figs. 1, no. A; 12, no. E; 18, no. L; 24, no. C.

Silurian, Wenlockian, Rochester Shale, Waldron Shale. United States, New York, Tennessee

*Eucalyptocrinites?* sp. Ausich and Copper, 2010, p. 32, Pl. 6, fig. 4; Figs. 7.6-7.7.

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

*Eucalyptocrinites* sp. nov. Webster and Gupta, 1986, p. 69, Figs. 1-2. Webster, 1993, p. 59.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a. Early Devonian. India

*Eucalyptocrinites* sp. 1. Donovan et al., 2012, p. 199, Fig. 86.

Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom Scotland

*Eucalyptocrinites* sp. 2. Donovan et al., 2012, p. 200, Fig. 87.

Silurian, Wenlockian (Homerian), ?Much Wenlock Limestone Formation. United Kingdom, Scotland

*EUCALYPTOCRINUS* of authors = ***EUCALYPTOCRINITES***

*Eucalyptocrinus armosus* McChesney, 1861 = *Glyptocrinus?* *armosus* = *Ochlerocrinus armosus* = *Siphonocrinus armosus*

*Eucalyptocrinus asper* Weller, 1900 = *Eucalyptocrinites asper*

*Eucalyptocrinus?* *bohemicus* Barrande in Waagen and Jahn, 1899, p. 192, Pls. 62, 79.

Bassler and Moodey, 1943, p. 468 (unrecognizable fragment). Prokop and

Petr, 1990, p. 15 = *Corbuloceras corbulatum* (nautiloid shell fragment).

Silurian. Czech Republic

*Eucalyptocrinus bordeni* Roy, 1929 = *Eucalyptocrinites bordeni*

*Eucalyptocrinus caelatus* Hall, 1843 = *Eucalyptocrinites caelatus*

*Eucalyptocrinus caelatus* Hall, 1863 = *Eucalyptocrinites elrodi*

*Eucalyptocrinus caelatus* Roemer, 1860 = *Eucalyptocrinites ventricosus*

*Eucalyptocrinus caelatus* var. *levis* Grabau and Shimer, 1910 = *Eucalyptocrinites caelatus* var. *levis*

*Eucalyptocrinus chicagoensis* Winchell and Marcy, 1865 = *Eucalyptocrinites chicagoensis*

*Eucalyptocrinus chrysalis* Hall, 1864 = *Eucalyptocrinites chrysalis*

*Eucalyptocrinus coelatus* (Hall, 1843) = *Eucalyptocrinites caelatus*

*Eucalyptocrinus coelatus* Roemer, 1860 = *Eucalyptocrinites ventricosus*

*Eucalyptocrinus coelatus* var. *levis* Grabau and Shimer, 1910 = *Eucalyptocrinites caelatus levis*

*Eucalyptocrinus conicus* (Troost, 1849) = *Eucalyptocrinites milliganae*

*Eucalyptocrinus constrictus* Hall, 1874 = *Eucalyptocrinites crassus*

*Eucalyptocrinus cornutus* Hall, 1865 = *Calliocrinus cornutus*

*Eucalyptocrinus cornutus* var. *excavatus* Hall, 1865 = *Calliocrinus cornutus excavatus*

*Eucalyptocrinus crassus* Hall, 1863 = *Eucalyptocrinites crassus*

*Eucalyptocrinus crassus* Hall, 1867, 1870 = *Eucalyptocrinites nodulus*

*Eucalyptocrinus crenatus* Troost in Wood, 1909 = *Eucalyptocrinites ventricosus*

*Eucalyptocrinus decoratus* Angelin, 1878 = *Eucalyptocrinites decoratus*

*Eucalyptocrinus decorus* Angelin, 1878 = *Eucalyptocrinites decorus*

*Eucalyptocrinus (Hypanthocrinus) decorus* Angelin; Phillips in Murchison, 1839 = *Eucalyptocrinites decorus*

*Eucalyptocrinus decorus* Hall, 1852 = *Eucalyptocrinites caelatus levis*

*Eucalyptocrinus depressus* Miller, 1880 = *Eucalyptocrinites depressus*

*Eucalyptocrinus egani* Miller, 1880 = *Eucalyptocrinites egani*

*Eucalyptocrinus (Hypanthocrinus) egani* Miller, 1880 = *Eucalyptocrinites egani*

*Eucalyptocrinus elegantissimus* Angelin, 1878 = *Eucalyptocrinites elegantissimus*

*Eucalyptocrinus ellipticus* Miller, 1891 = *Eucalyptocrinites ellipticus*



- Eucalyptocrinus elrodi* Miller, 1891 = *Eucalyptocrinites elrodi*
- Eucalyptocrinus excellentissimus* Angelin, 1878 = *Eucalyptocrinites excellentissimus*
- Eucalyptocrinus extensus* (Troost, 1849) = *Eucalyptocrinites extensus*
- Eucalyptocrinus floridus* Troost in Wood, 1909 = *Eucalyptocrinites milliganae*
- Eucalyptocrinus foerstei* Jillson, 1968, p. 10, Frontise; Unnum. Fig. p. 4.  
Early Silurian, Brassfield Limestone. United States, Kentucky
- Eucalyptocrinus gibbosus* Wood, 1909 = *Eucalyptocrinites gibbosus*
- Eucalyptocrinus goldfussi* Wood, 1909 = *Eucalyptocrinites goldfussi*
- Eucalyptocrinus gorbyi* Miller, 1891 = *Eucalyptocrinites magnus*
- Eucalyptocrinus granulatus* Wachsmuth and Springer, 1897 = *Eucalyptocrinites granulatus*
- Eucalyptocrinus inconspectus* Ringueberg, 1884 = *Eucalyptocrinites inconspectus*
- Eucalyptocrinus inornatus* Weller, 1900 = *Eucalyptocrinites inornatus*
- Eucalyptocrinus laevis* (Troost, 1850) = *Eucalyptocrinites phillipsi*
- Eucalyptocrinus lindahli* Wachsmuth and Springer, 1892 = *Eucalyptocrinites lindahli*
- Eucalyptocrinus magnus* Worthen, 1875 = *Eucalyptocrinites magnus*
- Eucalyptocrinus milliganae* Miller and Gurley, 1896 = *Eucalyptocrinites milliganae*
- Eucalyptocrinus milligani* Miller and Gurley, 1896 = *Eucalyptocrinites milliganae*
- Eucalyptocrinus minor* Angelin, 1878 = *Eucalyptocrinites minor*
- Eucalyptocrinus muralis* Ringueberg, 1890 = *Eucalyptocrinites tuberculatus*
- Eucalyptocrinus nashvillae* Wood, 1909 = *Eucalyptocrinites nashvillae*
- Eucalyptocrinus nodulosus* (Weller, 1900) = *Eucalyptocrinites nodulus*
- Eucalyptocrinus nodulus* Weller, 1900 = *Eucalyptocrinites nodulus*
- Eucalyptocrinus obconicus* Hall, 1865 = *Eucalyptocrinites obconicus* =  
*Archaeocalyptocrinus obconicus*

- Eucalyptocrinus ornatus* Hall, 1861 = *Eucalyptocrinites ornatus*
- Eucalyptocrinus ovalis* Hall, 1877 = *Eucalyptocrinites ovalis*
- Eucalyptocrinus ovatus* Angelin, 1878 = *Eucalyptocrinites ovatus*
- Eucalyptocrinus papulosus* Hall, 1852 = *Eucalyptocrinites caelatus*
- Eucalyptocrinus pernodosus* Springer, 1926 = *Eucalyptocrinites pernodosus*
- Eucalyptocrinus phillipsi* Wood, 1909 = *Eucalyptocrinites phillipsi*
- Eucalyptocrinus plebejus* Anglin, 1878 = *Eucalyptocrinites plebejus*
- Eucalyptocrinus polydactylus* M'Coy, 1849 = *Clonocrinus polydactylus*
- Eucalyptocrinus praerosaceus* Yakovlev, 1940 = *Eucalyptocrinites praerosaceus*
- Eucalyptocrinus proboscidualis* Miller, 1882 = *Eucalyptocrinites proboscidualis*
- Eucalyptocrinus ramifer* Roemer, 1860 = *Gazacrinus ramifer*
- Eucalyptocrinus regularis* Roemer in Bronn, 1852-1854 = *Actinocrinus regularis* =  
*Hypanthocrinus regularis* = *Eucalyptocrinites regularis*
- Eucalyptocrinus rigens* Angelin, 1878 = *Eucalyptocrinites rigens*
- Eucalyptocrinus rosaceus* Schultze, 1866 = *Eucalyptocrinites rosaceus*
- Eucalyptocrinus rotundus* Miller, 1882 = *Eucalyptocrinites rotundus*
- Eucalyptocrinus sculptilis* Springer, 1926 = *Eucalyptocrinites sculptilis*
- Eucalyptocrinus slocomi* (Foerste, 1920) = *Archaeocalyptocrinus slocomi*
- Eucalyptocrinus speciosus* Angelin, 1878 = *Eucalyptocrinites speciosus*
- Eucalyptocrinus splendidus* Hall and Whitfield, 1875 = *Eucalyptocrinites splendidus* =  
*Eucalyptocrinites lindahli*
- Eucalyptocrinus splendidus* Troost, 1850 = *Eucalyptocrinites lindahli*
- Eucalyptocrinus springeri* Foerste, 1909 = *Eucalyptocrinites springeri*
- Eucalyptocrinus subglobosus* Miller, 1891 = *Eucalyptocrinites elrodi*

*Eucalyptocrinus tuberculatus* Miller and Dyer, 1878 = *Eucalyptocrinites tuberculatus*

*Eucalyptocrinus turbinatus* Miller, 1882 = *Eucalyptocrinites turbinatus*

*Eucalyptocrinus ventricosus* Wachsmuth and Springer, 1897 = *Eucalyptocrinites ventricosus*

*Eucalyptocrinus wortheni* Miller and Gurley, 1894 = *Eucalyptocrinites lindahli*

*Eucalyptocrinus* sp. of authors = *Eucalyptocrinites* spp.

*Eucliptocrinus* sp. undet. Worthen, 1875 = *Eucalyptocrinites crassus*

**EUCALYPTROCRINITES** Geinitz, 1846 = **EUCALYPTOCRINITES**

*Eucalyptocrinus polydactylus* M'Coy, 1849 = *Clonocrinus polydactylus*

**EUCATILLOCRINUS** Springer, 1923 = **CATILLOCRINUS**

*Eucatillocrinus bradleyi* (Meek and Worthen, 1868) = *Catillocrinus bradleyi*

*Eucatillocrinus richardsoni* Strimple, Allison, and Kline, 1971 = *Catillocrinus richardsoni*

*Eucatillocrinus* sp. Priest, 1973 = *Catillocrinus* sp.

**EUCHEIROCRINUS** Meek and Worthen, 1869 = **CALCEOOCRINUS**

*Eucheirocrinus anglicus* Springer, 1926 = *Calceocrinus anglicus*

*Eucheirocrinus barrandii* (Walcott, 1883) = *Calceocrinus barrandii*

*Eucheirocrinus chrysalis* (Hall, 1860) = *Calceocrinus chrysalis*

*Eucheirocrinus indianensis* (Miller, 1891) = *Calceocrinus indianensis*

*Eucheirocrinus minor* Springer, 1926 = *Calceocrinus minor*

*Eucheirocrinus ontario* Springer, 1919 = *Calceocrinus ontario*

*Eucheirocrinus radicululus* (Ringueberg, 1882) = *Calceocrinus radicululus* = *C. chrysalis*

**EUCHIROCRINUS** Bather, 1893 = **EUCHEIROCRINUS** = **CALCEOOCRINUS**

**EUCLADOOCRINUS** Meek, 1872. \**Platycrinites (Eucladocrinus) montanaensis* Meek, 1872.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrininitidae

Meek, 1872b, p. 373. Meek, 1874, p. 191. Meek, 1878, p. 243. Zittel, 1880, p. 344, 365. Wachsmuth and Springer, 1881, p. 58 (232). Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 719. Bather *in* Lankester, 1900, p. 158. Wachsmuth *in* Zittel, 1900, p. 139. Springer *in* Zittel, 1913, p. 200. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 469. Moore and Laudon, 1943b, p. 101. Moore and Laudon, 1944, p. 205. Cuénot, 1948, p. 68. Ubaghs, 1953, p. 743. Arendt and Hecker, 1964, p. 98. Moore and Jeffords, 1968, p. 11, Fig. 1, no.

2. Brower, 1970, p. 534. Webster, 1973, p. 127. Webster, 1977, p. 83. Lane *in* Moore and Teichert, 1978, p. T515. Cowen, 1981, p. 339. Webster, 1986, p. 145.

Lane and Sevastopoulo, 1987, p. 205. Ausich, 1988, p. 913, Fig. 2, no. 13. Webster, 1988, p. 85. Webster, 1993, p. 59. Webster et al., 2004, p. 32. Ausich and Kammer, 2009, p. 706.

Named, currently recognized species based on cups or crowns: 7 species. 6

Mississippian, 2 Tournaisian, 1 Tournaisian - Viséan, 3 Viséan; 1

Pennsylvanian, Bashkirian

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

*Eucladocrinus? asymmetricus* Webster et al., 2004, p. 38, Pl. 10, figs. 9-12. Ausich and Kammer, 2009, p. 706.

Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria

*Eucladocrinus cranei* (Strimple and McGinnis, 1970). Ausich and Kammer, 2009, p. 706.

*Platycrinites cranei* Strimple and McGinnis, 1970, p. 264, Figs. 1-3. Webster, 1977, p. 137. Ausich and Kammer, 2009, p. 699.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Eucladocrinus incomptus* (White, 1863). Ausich and Kammer, 2009, p. 706.

*Platycrinus incomptus* White, C. A., 1863, p. 503. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 664, Pls. 67, fig. 6; 71, figs. 1-3. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 622.

*Platycrinites incomptus* (White, 1863). Meek and Worthen, 1873, p. 459, Pl. 3, fig. 7. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 622. Laudon and Severson, 1953, p. 532, Pl. 54, fig. 9. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 213. Webster, 1977, p. 138. Ausich and Kammer, 2009, p. 699.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Lodgepole Limestone, upper part of Burlington Limestone. United States, Montana, Iowa

*Eucladocrinus millebrachiatus* Wachsmuth and Springer, 1881, p. 251 (Pl. 1, figs. 1-7; plate with separate, not journal). Wachsmuth and Springer, 1882, Pl. 18, fig. 7. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 720, Pls. 73, fig.

1;

74, figs. 2-9. Weller, S., 1898c, p. 261. Bather *in* Lankester, 1900, p. 158, Fig.

71,

no 4. Moore, 1939b, p. 243, Fig. 13, no. 10 (arm segment). Bassler and Moodey, 1943, p. 469. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 12. Moore and Laudon, 1944, p. 205, Pl. 78, fig. 29. Ubaghs, 1953, p. 743, Fig. 77. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 127. Webster, 1977, p. 83. Ubaghs *in* Moore and Teichert, 1978, p. T214, Fig. 184, no. 2. Kammer, 1984, p. 120, Fig. 2, nos. O-Q. Webster, 1986, p. 145. Webster, 1988, p. 85. Ausich and Kammer, 1990, p. 774, Figs. 7.3-7.4. Webster, 1993, p. 59. Ausich and Kammer, 2009, p. 706.

*Platycrinus (Eucladocrinus) millebrachiatus* (Wachsmuth and Springer, 1881), p. 77 (251), Pl. 18, fig. 7. Bassler and Moodey, 1943, p. 469. Ausich and Kammer, 1990, p. 774.

*Eucladocrinus millebrachiatus* var. *immaturus* Wachsmuth and Springer, 1897, p. 722, Pl. 75, figs. 2-3. Miller, S. A., 1897, p. 745. Weller, S., 1898c, p. 261.

*Eucladocrinus millebrachiatus immaturus* Wachsmuth and Springer, 1897. Bassler and Moodey, 1943, p. 469. Ubaghs *in* Moore and Teichert, 1978, p. T144, Fig. 116, no. 5. Webster, 1986, p. 145. Ausich and Kammer, 1990, p. 774.

*Platycrinites* sp. A Ausich and Lane, 1980, p. 60. Ausich, 1983, p. 178. Kammer, Ausich, and Lane, 1983, p. 56. Ausich and Kammer, 1990, p. 774.

*Platycrinites* sp. Ausich and Lane, 1985, p. 224. Ausich and Kammer, 1990, p. 774.

Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds; Keokuk Limestone, Montrose Chert Member; Edwardsville Formation, Borden Formation, New Providence Shale Member. United States, Indiana, Iowa, Illinois, Kentucky, Missouri

*Eucladocrinus millebrachiatus immaturus* Wachsmuth and Springer, 1897 =  
*Eucladocrinus millebrachiatus*

*Eucladocrinus millebrachiatus* var. *immaturus* Wachsmuth and Springer, 1897 =  
*Eucladocrinus millebrachiatus*

\**Eucladocrinus montanaensis* (Meek, 1872). Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 723, Pl. 72, fig. 5. Weller, S., 1898c, p. 261. Bassler, 1938, p. 97. Bassler and Moodey, 1943, p. 469. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 316, no. 3. Webster, 1986, p. 145.

*Platycrinites (Eucladocrinus) montanaensis* Meek, 1872b, p. 373. Weller, S., 1898c, p. 261. Bassler and Moodey, 1943, p. 469.

*Platycrinus montanensis* Meek, 1872. Miller, S. A., 1889, p. 271.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Eucladocrinus pleurovimenus* (White, 1862). Weller, S., 1898c, p. 261. Moore and Laudon, 1944, p. 205, Pl. 78, fig. 28. Laudon, 1973b, p. 31, Fig. 6. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 317, no. 3.). Ausich et al. *in* Hess et al., 1999 p. 17, Fig. 23. Ausich and Kammer, 2009, p. 706.

*Platycrinus pleurovimenus* White, C. A., 1862, p. 17. Shumard, 1868, p. 389. Miller,

- S. A., 1889, p. 271. Weller, S., 1898c, p. 261.  
*Platycrinus pleuroviminus* White, 1862. Bassler and Moodey, 1943, p. 470.  
*Eucladocrinus pleuroviminus* White, 1862. Miller, S. A., 1889, p. 244. Wachsmuth and Springer, 1897, p. 724, Pls. 73, fig. 4; 74, fig. 1. Bassler and Moodey, 1943, p. 470. Ubaghs, 1953, p. 743, Fig. 102. Webster, 1973, p. 127. Webster, 1986, p. 145.  
*Eucladocrinus pleurominineus* White, 1862. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 13.  
*Eucladocrinus pleurovimineus* White, 1862. Webster, 1977, p. 83.  
*Platycrinus discoideus* Hall, 1858c, p. 535, Pl. 8, figs. 8a-8b (*non* Owen and Shumard, 1850). Weller, S., 1898c, p. 261. Bassler and Moodey, 1943, p. 470. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri
- Eucladocrinus pleurovimineus* (White, 1862) = *Eucladocrinus pleurovimenus*
- Eucladocrinus pleuroviminineus* (White, 1862) = *Eucladocrinus pleurovimenus*
- Eucladocrinus pleuroviminus* (White, 1862) = *Eucladocrinus pleurovimenus*
- Eucladocrinus praenuntius* (Wachsmuth and Springer, 1878). Wachsmuth and Springer, 1897, p. 726, Pl. 73, fig. 5. Weller, S., 1898c, p. 261. Bassler and Moodey, 1943, p. 470. Ausich and Kammer, 2009, p. 706.  
*Platycrinus praenuntius* Wachsmuth and Springer, 1878, p. 249, Pl. 2, figs. 1-2. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 261. Bassler and Moodey, 1943, p. 470. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Eucladocrinus speciosus* Angelin, 1878 = *Dimerocrinus speciosus* = *Dimerocrinites speciosus*
- Eucladocrinus tuberosus* (Hall, 1858) = *Plemnocrinus tuberosus*
- Eucladocrinus* n. sp. Brower, 1970, p. 534, Pl. 67, figs. 19, 21-22. Webster, 1977, p. 83. Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or Mooney Falls Member. United States, Arizona
- Eucladocrinus* sp. Kues, 1982, Unnum. Fig. p. 108, no. Q. Webster, 1988, p. 85. Mississippian. no locality data
- Eucladocrinus?* sp. Webster et al., 2004, p. 39. Ausich and Kammer, 2009, p. 706. Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria
- Eucladocrinus* sp. or *Platycrinites* sp. Miller et al., 2008, p. 263, Fig. 12.10, no. 22. Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

Euclinoidenkelches Zittel, 1880, p. 326, Fig. 216 (plate diagram).

**EUCRINUS** Angelin, 1878. \**E. laevis* Angelin, 1878.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Zittel, 1880, p. 345, 375. Wachsmuth and Springer, 1881, p. 196 (370). Zittel, 1895,  
p. 130. Bassler, 1915, p. 438. Bassler, 1938, p. 97. Bassler and Moodey, 1943,  
p. 423. Ubaghs *in* Moore and Teichert, 1978, p. T434.

*Dimerocrinites* (***Eucrinus***) Angelin, 1878. \**Eucrinus laevis* Angelin, 1878.

Witzke and Strimple, 1981, p.110. Webster, 1988, p. 77. Lane and Ausich,  
1995, p. 1099.

**Note.** *Eucrinus* was long considered a junior synonym of *Dimerocrinites*. Later it  
was recognized as a subgenus of *Dimerocrinites*. All species of *Eucrinus* need  
reevaluation for taxonomic assignment. GDW

Named, currently recognized species based on cups or crowns: 3 species. 2

Silurian, 1 Llandoveryan, 1 Wenlockian; 1 Devonian, Lochkovian

Silurian, Wenlockian. Sweden, Isle of Gotland

Silurian, Llandoveryan. United States, Iowa

Devonian, late Lochkovian. Australia, Victoria

*Eucrinus ankylos* (Lane and Ausich, 1995). New Combination

*Dimerocrinites* (*Eucrinus*) *ankylos* Lane and Ausich, 1995, p. 1099, Figs. 1.1-1.3,  
2.2.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United  
States, Indiana

*Eucrinus clarkae* Jell, 1999a, p. 10, Fig. 7, nos. A-E.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Eucrinus interradialis* Angelin, 1878 = *Dimerocrinus interradialis* = *Dimerocrinites*  
*interradialis*

\**Eucrinus laevis* Angelin, 1878, p. 25, Pl. 6, figs. 8-8a. Bassler, 1938, p. 97. Bassler  
and Moodey, 1943, p. 425.

*Dimerocrinus laevis* (Angelin, 1878). Springer, 1926a, p. 14. Bassler and Moodey,  
1943, p. 425.

*Dimerocrinites laevis* (Angelin, 1878). Bassler and Moodey, 1943, p. 425.

*Dimerocrinites* (*Eucrinus*) *laevis* (Angelin, 1878). Witzke and Strimple, 1981, p.110.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Eucrinus minor* Angelin, 1878 = *Anthemocrinus minor*

*Eucrinus ornatus* Angelin, 1878 = *Dimerocrinus ornatus* = *Dimerocrinites ornatus*

*Eucrinus quinquangularis* Angelin, 1878 = *Dimerocrinus quinquangularis* =  
*Dimerocrinites quinquangularis*

*Euclinus speciosus* Angelin, 1878 = *Dimerocrinus speciosus* = *Dimerocrinites speciosus*

*Euclinus venustus* Angelin, 1878 = \**Anthemocrinus venustus*

*Euclinus* sp.

*Dimerocrinites (Euclinus)* sp. Witzke and Strimple, 1981, p. 111, Pl. 1, figs. 6-7. Webster, 1988, p. 77.

Silurian, Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

**EUDIMEROCRINUS** Springer, 1926. \**E. multibrachiatus* Springer, 1926.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Springer, 1926a, p. 14. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 470.

Moore and Laudon, 1943b, p. 83, Fig. 14. Moore and Laudon, 1944, p. 187, Pl. 70, fig. 3. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 737. Webster, 1973, p. 127. Ubaghs *in* Moore and Teichert, 1978, p. T434. Webster, 1986, p. 145. Jell, 1999a, p. 12.

Named, currently recognized species based on cups or crowns: 3 species. 1

Silurian, Niagaran; 2 Devonian, Lochkovian

Silurian, Niagaran. United States

*Eudimerocrinus eckardti* Jell, 1999a, p. 17, Figs. 8-11.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Eudimerocrinus gilli* Jell, 1999a, p. 18, Fig. 12.

Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

\**Eudimerocrinus multibrachiatus* Springer, 1926a, p. 14, Pl. 1, figs. 13-14. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 470. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 6. Webster, 1973, p. 127. Ubaghs *in* Moore and Teichert, 1978, p. T434, Fig. 243, no. 4. Webster, 1986, p. 145.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Eudimerocrinus* n. sp. Clement and Broadhead, 1994, p. 47.

Silurian, Pridolian, upper part of Decatur Limestone. United States, Tennessee

**EUERISOCRINUS** Strimple, 1939. \**Euerisocrinus waysidensis* Strimple, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.

Graphiocriidae

Strimple, 1939a, p. 373. Bassler and Moodey, 1943, p. 495. Moore and Laudon,

1943b, p. 60. Knapp, 1969, p. 356. Webster, 1973, p. 128. Webster, 1977, p. 83.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707. Webster, 1986, p. 145.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Desmoinesian, 2 Missourian

Pennsylvanian, Desmoinesian – Missourian. United States



*Euerisocrinus gordoplatus* Webster and Kues, 2006, p. 16, Figs. 6.24-6.26.  
Pennsylvanian, Missourian, Madera Group, Wild Cow Formation, Sol se Mete  
Member. United States, New Mexico

*Euerisocrinus tierasensis* Webster and Kues, 2006, p. 16, Figs. 4.42-4.44.  
Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Limestone. United  
States,  
New Mexico

*Euerisocrinus waysidensis* Strimple, 1939a, p. 373, Pl. 2, figs. 14-16. Bassler and  
Moodey, 1943, p. 498. Knapp, 1969, p. 356. Webster, 1977, p. 83. Moore,  
Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, no. 4.  
Webster, 1986, p. 145.  
*Graphiocrinus waysidensis* (Strimple, 1939). Bassler and Moodey, 1943, p. 498.  
Pennsylvanian, Missourian, Stanton Limestone. United States, Kansas

*Eugeniocrinites boitardi* Rouault, 1847 = *Haplocrinites boitardi*

*Eugeniocrinites? costatus* Hisinger, 1837 = *Calliocrinus costatus*

*Eugeniocrinites mespiliformis* Goldfuss, 1831 = *Haplocrinus mespiliformis* =  
*Haplocrinites mespiliformis*

*Eugeniocrinites? quaesitus* Gregorio, 1930, p. 36, Pl. 13, figs. 20-21. Bassler and  
Moodey, 1943, p. 470.  
Permian. Sicily

**EUMHACRINUS** Webster and Waters, 2009. \**Eumhacrinus tribrachiatus* Webster and  
Waters, 2009.  
Sbc. Dladida, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Cercidocrinidae  
Webster and Waters, 2009, p. 280.  
Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species  
Devonian, Famennian. China, Xinjiang-Uyghur Autonomous Region

\**Eumhacrinus tribrachiatus* Webster and Waters, 2009, p. 280, Fig. 5, nos. Q-R.  
Scytalocrinidae, genus and species indeterminate Lane et al. 1997, p. 29, Figs.  
11.11, 12.1-12.4. Webster and Waters, 2009, p. 280.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,  
Xinjiang-Uyghur Autonomous Region

**EUMORPHOCRINUS** Wright, 1955. \**E. erectus* Wright, 1955.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Actinocrinitidae  
Wright, J., 1955a, p. 232. Brower, 1970, p. 491. Webster, 1973, p. 128. Macurda,  
1974, p. 823, Figs. 1-2. Webster, 1977, p. 83. Bowsher *in* Moore and Teichert,  
1978, p. T458. Westhead, 1978, pl. 478. Webster, 1986, p. 145. Lane and

- Sevastopulo, 1987, p. 201. Webster, 1993, p. 59. Donovan and Lewis, 2003, p. 2.  
 Named, currently recognized species based on cups or crowns: 5 species. 1 Devonian, Famennian; 4 Mississippian, 1 Tournaisian, 2 Viséan, 1 series uncertain  
 Mississippian, Tournaisian - Viséan. United Kingdom, Scotland, Ireland  
 Mississippian. Australia, New South Wales
- Eumorphocrinus elongatus* Lindley, 1979, p. 121, Figs. 1-2. Webster, 1986, p. 145.  
 Mississippian, Viséan, upper part of Dangarfield Formation. Australia, New South Wales
- \**Eumorphocrinus erectus* Wright, J., 1955a, p. 232, Pl. 56, figs. 18-19; Fig. 116.  
 Webster, 1973, p. 128. Bowsler *in* Moore and Teichert, 1978, p. T458, Fig. 264, no. 1. Westhead, 1978, Fig. 7, no. b. Webster, 1986, p. 146.  
 Mississippian, early Viséan. United Kingdom, Scotland
- Eumorphocrinus excelsus* Wright, J., 1955a, p. 233, Pl. 58, figs. 8, 11. Webster, 1973, p. 128.  
 Mississippian, Viséan. United Kingdom, Scotland
- Eumorphocrinus* cf. *excelsus* Wright, 1955. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 3.  
 Mississippian. United Kingdom
- Eumorphocrinus hibernicus* Wright, J., 1955a, p. 234, Pl. 56, figs. 4-5. Webster, 1973, p. 128.  
 Mississippian, Tournaisian?. Ireland
- Eumorphocrinus porteri* (Whidborne, 1896). Lane, Maples, and Waters, 2001a, p. 1056,  
 Pls. 1, fig. 6; 2, figs. 4, 6; 3, fig. 1 (not Pl. 4, fig. 1; explanations for Pls. 3 and 4 reversed.)  
*Actinocrinus porteri* Whidborne, 1896, p. 377. Whidborne, 1899, p. 220, Pls. 5, fig. 21; 30, fig. 8; 31, figs. 1-2, 5. Bassler and Moodey, 1943, p. 273. Lane, Maples, and Waters, 2001a, p. 1056.  
*Actinocrinites porteri* (Whidborne, 1896). Bassler and Moodey, 1943, p. 273. Lane, Maples, and Waters, 2001a, p. 1056.  
 Devonian, Famennian, Pilton Beds. United Kingdom, North Devon
- Eumorphocrinus?* n. sp. Brower, 1970, p. 491, Pl. 64, fig. 14; Fig. 80, no. A. Webster, 1977, p. 83.  
 Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member.  
 United States, Arizona
- EUONYCHOCRINUS** Strimple, 1940. \**E. dubius* Strimple, 1940.  
 Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Synerocrinidae

Strimple, 1940b, p. 101. Bassler and Moodey, 1943, p. 470. Moore and Laudon, 1943b, p. 69. Strimple and Moore, 1971a, p. 42. Webster, 1973, p. 128.

Webster,

1977, p. 83. Moore *in* Moore and Teichert, 1978, p. T775, Figs. 506, no. 12e; 508, no. 4d. Webster, 1986, p. 146. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 1. Webster, 1993, p. 59. Waters *et al.*, 2003, p. 939.

*EUORYCHOCRINUS* Cornwall and Cornwall, 1968, Pl. 2, fig. 1.

Named, currently recognized species based on cups or crowns: 5 species. 1 Devonian, Famennian; 4 Pennsylvanian, 1 Desmoinesian, 2 Missourian, 1 Virgilian

Pennsylvanian, Desmoinesian - Virgilian. United States

\**Euonychocrinus dubius* Strimple, 1940b, p. 102, Pl. 9, figs. 11-13. Bassler and Moodey, 1943, p. 470.

Pennsylvanian, Virgilian, Stanton Limestone. United States, Kansas

*Euonychocrinus magnus* Strimple, 1962e, p. 53, Pl. 5, figs. 1-2; Pl. 6, figs. 3-5. Webster, 1973, p. 128.

Pennsylvanian, Desmoinesian, Wewoka Formation, Oologah Limestone. United States, Oklahoma

*Euonychocrinus simplex* Strimple and Moore, 1971a, p. 42, Pl. 23, figs. 1a-c, 2a-d; Fig. 19. Webster, 1977, p. 83. Moore *in* Moore and Teichert, 1978, p. T775, Figs. 514, no. 3; 516, no. 1. Strimple and Frest, 1979, p. 216, Figs. 1-2. Webster, 1986, p. 146. Peters and Lane, 1990, p. 431, Figs. 1, nos. 8-9; 4. Webster, 1993, p. 59.

Pennsylvanian, Missourian, Bond Formation, Millersville Limestone Member, LaSalle

Limestone Member. United States, Illinois.

*Euonychocrinus subservire* Strimple, 1951a, p. 206, Pls. 38, figs. 3-4; 39, figs. 3-4, 11. Webster, 1973, p. 128.

Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Texas

*Euonychocrinus websteri* Waters *et al.*, 2003, p. 939, Figs. 9, nos. 8-9; 12, nos. 15-17. Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

*Euonychocrinus* sp. Webster, 1977, p. 84.

*Euorychocrinus* sp. Cornwell and Cornwell, 1968, Pl. 2, fig. 1 (sic).

Pennsylvanian. United States, Iowa

*Euonychocrinus* sp. Holterhoff, 1996, p. 184, Fig. 3, no. H. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

*EUORYCHOCRINUS* Cornwall and Cornwall, 1968 = ***EUONYCHOCRINUS***

*Euorychocrinus* sp. Cornwell and Cornwell, 1968 = *Euonychocrinus* sp.

**EUPACHYCRINUS** Meek and Worthen, 1865. \**Graphiocrinus quatuordecembrachialis* Lyon, 1857.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Eupachyrcrinidae

Meek and Worthen, 1865b, p. 159. Meek and Worthen, 1866a, p. 177. Wachsmuth and Springer, 1880 (1879), p. 133 (356). Wachsmuth and Springer, 1883b, p. 376, Fig. 9. Wachsmuth and Springer, 1886, p. 246 (170). Miller, S. A., 1889, p. 245. Bather, 1890b, p. 332. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in* Zittel, 1900, p. 161. Grabau and Shimer, 1910, p. 512. Springer *in* Zittel, 1913, p. 224. Wanner, 1924, p. 170. Schmidt, H., 1929, p. 84. Kirk, 1937c, p. 598. Bassler, 1938, p. 98. Moore and Plummer, 1940, p. 351. Sutton and Winkler, 1940, p. 548. Bassler and Moodey, 1943, p. 470. Moore and Laudon, 1943b, p. 62, Fig. 7. Moore and Laudon, 1944, p. 175. Branson, C. C., 1948, p. 193. Cuénot, 1948, p. 62. Moore, 1950, Fig. 4, no. p. Tien and Mu, 1955, p. 93. Sun, 1955, p. 93, Fig. 34. Burdick and Strimple, 1969, p. 6. Webster, 1973, p. 128. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 84. Moore and Strimple *in* Moore and Teichert, 1978, p. T690. Burdick and Strimple, 1983a, p. 51.

Tianjin

Institute of Geology and Mineral Resources, 1985, p. 511. Webster, 1986, p. 146.

Chestnut and Etensohn, 1988, p. 50, Fig. 10. Webster, 1988, p. 85. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 59.

**INTERMEDIACRINUS** Sutton and Winkler, 1940, p. 559. \**Eupachyrcrinus asperatus* Worthen, 1882. Bassler and Moodey, 1943, p. 470. Strimple, 1961g, p. 81. Burdick and Strimple, 1969, p. 6. Burdick and Strimple, 1971a, p. 25. Webster, 1973, p. 156. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 99. Moore and Strimple *in* Moore and Teichert, 1978, p. T690. Burdick and Strimple, 1983a, p. 45. Webster, 1986, p. 179. Chestnut and Etensohn, 1988, p. 50. Webster, 1988, p. 99.

Named, currently recognized species based on cups or crowns: 15 species, 14 Mississippian, 5 Viséan, 4 Viséan – Serpukhovian, 4 Serpukhovian, 1 series unknown; 1 Pennsylvanian, Desmoinesian

Mississippian, Viséan – Serpukhovian. United States

Mississippian, Viséan. Ireland

Mississippian. Russia

Pennsylvanian, desmoinesian. United States, Tennessee

*Eupachyrcrinus ardrossensis* Wright, 1934 = *Phanocrinus ardrossensis*

*Eupachyrcrinus asperatus* Worthen, 1882, p. 34. Worthen, 1883, p. 311, Pl. 29, fig. 4. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 471. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 34. Webster, 1973, p. 128. *Intermediacrinus asperatus* (Worthen, 1882). Sutton and Winkler, 1940, p. 561, Pl. 67, figs. 1-2. Bassler and Moodey, 1943, p. 471. Strimple, 1961g, p. 80. Burdick and Strimple, 1969, p. 8. Burdick and Strimple, 1971a, p. 26, Pl. 3, figs. 9, 11, 14. Webster, 1973, p. 156. Webster, 1977, p. 99. Burdick and Strimple, 1983a, p. 47. Webster, 1988, p. 99.

Mississippian, Viséan - Serpukhovian (Chesterian), Ste. Genevieve Limestone;  
Beech Creek Formation. United States, Illinois

*Eupachyrcrinus basalotumidus* (Sutton and Winkler, 1940). New combination  
*Ageneracrinus basalotumidus* Sutton and Winkler, 1940, p. 565, Pl. 68, figs. 22-23.  
Burdick and Strimple, 1969, p. 4. Webster, 1977, p. 99.  
*Intermediacrinus basalotumidus* (Sutton and Winkler, 1940). Burdick and Strimple,  
1969, p. 8. Webster, 1977, p. 99.  
Mississippian, Serpukhovian (Chesterian). United States, Illinois

*Eupachyrcrinus bassetti* Worthen, 1875 = *Ethelocrinus bassetti*

*Eupachyrcrinus boydii* Meek and Worthen, 1870b, p. 30; **1873**, p. 554, Pl. 21, fig. 6.  
Weller, S., 1898c, p. 264. Wood, E., 1909, p. 95, Pl. 7, figs. 1-5. Sutton and  
Winkler, 1940, p. 550, Pl. 67, figs. 16-17. Bassler and Moodey, 1943, p. 471.  
Horowitz, 1965, p. 35, Pl. 3, figs. 16-18. Burdick and Strimple, 1969, p. 6.  
Webster, 1973, p. 128. Webster, 1977, p. 84. Chestnut and Ettensohn, 1988, p.  
51, Pl. 5, figs. 14-17. Webster, 1993, p. 59. Ausich, 2009a, p. 486, suppl. p. 25.  
*Cyathocrinites crateriformis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler and  
Moodey, 1943, p. 471.  
*Cyathocrinus crateriformis* (Troost, 1850). Shumard, 1868, p. 399. Miller, S. A.,  
1889, p. 235.  
*Zeacrinus crateriformis* (Troost, 1850). Shumard, 1868, p. 399. Miller, S. A., 1889,  
p. 288.  
*Eupachyrcrinus crateriformis* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 235.  
*Eupachyrcrinus germanus* Miller, S. A., 1879a, p. 40, Pl. 8, fig. 3. Miller, S. A., 1889,  
p. 245. Weller, S., 1898c, p. 266. Sutton and Winkler, 1940, p. 551, Pl. 66, figs.  
16-17. Bassler and Moodey, 1943, p. 471. Horowitz, 1965, p. 34, Pl. 3, figs. 4-6.  
Burdick and Strimple, 1969, p. 6. Webster, 1973, p. 128. Webster, 1977, p. 84.  
Chestnut and Ettensohn, 1988, p. 51. Webster, 1993, p. 59.  
*Eupachyrcrinus irregularis* Sutton and Winkler, 1940, p. 551, Pl. 66, figs. 8-10.  
Bassler and Moodey, 1943, p. 471. Burdick and Strimple, 1969, p. 6. Webster,  
1977, p. 84. Chestnut and Ettensohn, 1988, p. 51. Webster, 1993, p. 59.  
*Eupachyrcrinus spartarius* Miller, S. A., 1879a, p. 38, Pl. 8, fig. 2. Miller, S. A., 1889,  
p. 245. Weller, S., 1898c, p. 266. Kirk, 1937c, p. 601, Pl. 84, figs. 8-14. Bassler  
and Moodey, 1943, p. 472. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 8.  
Moore  
and Laudon, 1944, p. 175, Pl. 64, fig. 28. Horowitz, 1965, p. 34, Pl. 3, figs. 10-  
12.  
Burdick and Strimple, 1969, p. 6. Webster, 1973, p. 128. Webster, 1977, p. 84.  
Burdick and Strimple, 1983a, p. 47. Chestnut and Ettensohn, 1988, p. 51.  
Webster, 1988, p. 85. Webster, 1993, p. 59.  
*Intermediacrinus spartarius* (Miller, 1879). Sutton and Winkler, 1940, p. 561, Pl. 66,  
figs. 3, 5. Bassler and Moodey, 1943, p. 472.  
*Intermediacrinus variabilis* Sutton and Winkler, 1940, p. 562, Pl. 67, fig. 11. Bassler  
and Moodey, 1943, p. 473. Burdick and Strimple, 1969, p. 8. Webster, 1977, p.  
100. Chestnut and Ettensohn, 1988, p. 51. Webster, 1993, p. 59.

*Eupachyrcrinus variabilis* (Sutton and Winkler, 1940). Bassler and Moodey, 1943, p. 473.

*Zeacrinus durabilis* Miller and Gurley, 1895a, p. 48, Pl. 4, figs. 14-15. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 471. Chestnut and Etensohn, 1988, p. 51. Webster, 1993, p. 59.

*Eupachyrcrinus durabilis* (Miller and Gurley, 1895). Sutton and Winkler, 1940, p. 549, Pl. 66, figs. 18-21. Bassler and Moodey, 1943, p. 471. Burdick and Strimple, 1969, p. 6. Webster, 1977, p. 84.

Mississippian, Viséan - Serpukhovian (Chesterian), Glen Dean Limestone; Pennington Formation; Paint Creek Formation. United States, Illinois, Kentucky, Indiana

*Eupachyrcrinus calyx* (M'Coy, 1849) = *Phanocrinus calyx*

*Eupachyrcrinus?* *calyx* (M'Coy, 1849) = *Phanocrinus calyx*

*Eupachyrcrinus craigii* Worthen, 1875 = *Catacrinus craigii* = *Delocrinus craigii*

*Eupachyrcrinus crassus* Wachsmuth and Springer, 1880 = *Ethelocrinus crassus*

*Eupachyrcrinus crateriformis* (Meek and Worthen, 1870) = *Eupachyrcrinus boydii*

*Eupachyrcrinus davidsoni* Burdick and Strimple, 1969. New Combination

*Intermediacrinus davidsoni* Burdick and Strimple, 1969, p. 8, Pl. 1, figs. 10-12; Fig. 1. Webster, 1977, p. 99. Moore and Strimple *in* Moore and Teichert, 1978, p. T690, Fig. 455, no. 2. Burdick and Strimple, 1983a, p. 49, Pl. 16, figs. 1, 5-6, 9-10, 12, 14; Fig. 10. Webster, 1988, p. 99.

Mississippian, Viséan (Chesterian), Southward Pond Formation. United States, Alabama

*Eupachyrcrinus?* *donetzensis* Yakovlev, 1961, p. 418, Pl. 2, figs. 8-9. Webster, 1973, p. 128.

Mississippian. Russia, Donetz Basin

*Eupachyrcrinus durabilis* (Miller and Gurley, 1895) = *Eupachyrcrinus spartarius* = *E. boydii*

*Eupachyrcrinus fayettensis* Worthen, 1873 = *Delocrinus fayettensis* = *Endelocrinus fayettensis*

*Eupachyrcrinus formosus* (Worthen, 1873) = *Phanocrinus formosus*

*Eupachyrcrinus germanus* Miller, 1879 = *Eupachyrcrinus boydii*

*Eupachyrcrinus geminatus* Trautschold, 1867 = *Cromyocrinus geminatus* = *Dicrocyocrinus geminatus* = *Mooreocrinus geminatus*

*Eupachycrinus gracilis* (Wetherby, 1880) = *Phanocrinus gracilis* = *Pentaramacrinus gracilis*

*Eupachycrinus harii* Miller, 1891 = *Ethelocrinus harii*

*Eupachycrinus? harii* Miller, 1891 = *Ethelocrinus harii*

*Eupachycrinus hemisphericus* Shumard, 1858 = *Delocrinus hemisphericus*

*Eupachycrinus hinmani* (Burdick and Strimple, 1971). New combination  
*Intermediacrinus hinmani* Burdick and Strimple, 1971a, p. 27, Pl. 4, figs. 3-5, 11, 14, 16, 19-22. Webster, 1977, p. 100.  
 Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois

*Eupachycrinus? impressus* Bather, 1913 = *Zeacrinites konincki* = *Z. impressus*

*Eupachycrinus? impressus* Bather, 1916 = *Parazeacrinites impressus*

*Eupachycrinus irregularis* Sutton and Winkler, 1940 = *Eupachycrinus boydii*

*Eupachycrinus lichengensis* Tien, 1926 = *Mathericrinus lichengensis*

*Eupachycrinus macneanensis* Wright, J., 1951b, p. 91, Pl. 31, figs. 12, 14. Webster, 1973, p. 128.  
 Mississippian, Viséan. Ireland

*Eupachycrinus magister* Miller and Gurley, 1890 = *Ethelocrinus magister*

*Eupachycrinus cf. magister* Mather, 1915 = *Dicromyocrinus? costalis*

*Eupachycrinus maniformis* Keyes, 1894 = *Phanocrinus maniformis*

*Eupachycrinus modernus* Strimple, 1951g, p. 291, Figs. 6-8. Strimple, 1961g, p. 81.  
 Burdick and Strimple, 1969, p. 6. Webster, 1977, p. 84. Burdick and Strimple, 1983a, p. 47. Webster, 1988, p. 85.  
*Intermediacrinus modernus* (Strimple, 1951). Strimple, 1961g, p. 81. Burdick and Strimple, 1969, p. 5. Webster, 1977, p. 84.  
 Mississippian, Serpukhovian (Chesterian), unnamed limestone below Fayetteville Formation. United States, Oklahoma, Arkansas

*Eupachycrinus monroensis* Worthen, 1882, p. 34. Worthen, 1883, p. 312, Pl. 29, fig. 16.

Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 265. Bassler and Moodey, 1943, p. 471. Burdick and Strimple, 1969, p. 5. Webster, 1977, p. 100.  
*Intermediacrinus monroensis* (Worthen, 1882). Burdick and Strimple, 1969, p. 8. Webster, 1977, p. 100.

Mississippian, Viséan (Chesterian), Ste. Genevieve Limestone. United States, Illinois

*Eupachyrcrinus mooresi* (Whitfield, 1882) = *Plaxocrinus mooresi* = *Aatocrinus mooresi*

*Eupachyrcrinus orbicularis* Worthen, 1890 = *Eratocrinus orbicularis* = *Cromyocrinus orbicularis*

*Eupachyrcrinus parvus* Miller and Gurley, 1894 = *Perimestocrinus parvus*

*Eupachyrcrinus pentalobus* (Hall, 1858). Meek and Worthen, 1865c, p. 159. Miller, S. A., 1889, p. 245. Bassler and Moodey, 1943, p. 471.

*Cyathocrinus? pentalobus* Hall, 1858c, p. 687, Pl. 25, figs. 5a-5b; Fig. 11, no. b. Bassler and Moodey, 1943, p. 471. Burdick and Strimple, 1969, p. 8. Webster, 1977, p. 100.

*Cyathocrinus pentalobus* Hall, 1858. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236.

*Intermediacrinus pentalobus* (Hall, 1858). Sutton and Winkler, 1940, p. 562, Pl. 68, figs. 11-12. Bassler and Moodey, 1943, p. 472. Burdick and Strimple, 1969, p. 8. Webster, 1977, p. 100.

Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois

*Eupachyrcrinus platybasis* White, 1876 = *Sciadiocrinus platybasis*

*Eupachyrcrinus platycalyx* (Sutton and Winkler, 1940). New combination  
*Ageneracrinus platycalyx* Sutton and Winkler, 1940, p. 564, Pl. 68, figs. 13-14.  
Burdick and Strimple, 1969, p. 4.

*Intermediacrinus platycalyx* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 8.

Mississippian, Viséan (Chesterian), Shelterville Member. United States, Illinois

*Eupachyrcrinus pustulosus* Tien, 1926 = *Mathericrinus pustulosus*

*Eupachyrcrinus pustulosus contractus* Tien, 1926 = *Mathericrinus pustulosus*

*Eupachyrcrinus pustulosus transversus* Tien, 1926 = *Mathericrinus pustulosus*

\**Eupachyrcrinus quatuordecembrachialis* (Lyon, 1857). Miller, S. A., 1889, p. 245. Springer, 1911c, Pl. 4, fig. 17. Kirk, 1937c, p. 599, Pl. 84, figs. 4-7. Sutton and Winkler, 1940, p. 549. Bassler and Moodey, 1943, p. 472. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 33 (given as *E. 14-brachialis* on p. 175). Burdick and Strimple, 1969, p. 6. Webster, 1973, p. 128. Webster, 1977, p. 84. Moore and Strimple *in* Moore and Teichert, 1978, p. T690, Fig. 55, no. 3. Burdick and Strimple, 1983a, p. 53, Pl. 16, figs. 7, 11. Webster, 1988, p. 85.

*Eupachyrcrinus quatuordecimbrachialis* (Lyon, 1857). Webster, 1986, p. 146.

*Graphiocrinus 14-brachialis* Lyon, 1857, p. 477, Pl. 1, figs. 2-2b. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 472.



*Graphiocrinus quatuordecembrachialis* (Lyon, 1857). Shumard, 1868, p. 363. Miller, S. A., 1889, p. 251.

*Graphiocrinus quator-decembrachialis* Lyon, 1857. Bassler, 1938, p. 98.

*Eupachycrinus quator-decem-brachialis* (Lyon, 1857). Weller, S., 1898c, p. 266.

*Cyathocrinus (Graphiocrinus) quatuor-decem-brachialis* (Lyon, 1857). Shumard, 1868, p. 363.

Mississippian, Viséan - Serpukhovian (Chesterian), Ste. Genevieve Limestone; Ohara Limestone; Glen Dean Limestone; Bangor Limestone. United States, Alabama, Illinois, Kentucky

*Eupachycrinus quatuor-decem-brachialis* (Lyon, 1857) = \**Eupachycrinus quatuordecembrachialis*

*Eupachycrinus quatuordecimbrachialis* (Lyon, 1857) = *Eupachycrinus quatuordecembrachialis*

*Eupachycrinus sanctiludovici* Worthen in Miller, S. A., 1889 = *Plaxocrinus?? sanctiludovici*

*Eupachycrinus? sancti-ludovici* Worthen, 1889 = *Hydreionocrinus sancti-ludovici* = *Plaxocrinus sanctiludovici*

*Eupachycrinus sangamonensis* (Meek and Worthen, 1860) = *Ulocrinus sangamonensis*

*Eupachycrinus spartarius* Miller, 1879 = *Eupachycrinus boydii*

*Eupachycrinus sphaeralis* Miller and Gurley, 1890 = *Ethelocrinus sphaeralis*

*Eupachycrinus stellaris* Wright, 1934 = *Phanocrinus stellaris*

*Eupachycrinus subtumidus* (Meek and Worthen, 1865). Wachsmuth and Springer, 1880 (1879), p. 139. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 472.

*Poteriocrinus (Scaphiocrinus) subtumidus* Meek and Worthen, 1865c, p. 159.

Weller, S., 1898c, p. 266 (incorrectly attributed authorship to Worthen); p. 549. Bassler and Moodey, 1943, p. 472.

*Poteriocrinus (Zeacrinus) subtumidus* Meek and Worthen, 1873, p. 548, Pl. 21, fig. 1. Bassler and Moodey, 1943, p. 472.

*Poteriocrinus subtumidus* Meek and Worthen, 1865. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 275.

*Zeacrinus subtumidus* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 289.

*Ageneracrinus subtumidus* (Meek and Worthen, 1865). Sutton and Winkler, 1940, p. 563, Pl. 67, figs. 20-21. Bassler and Moodey, 1943, p. 472. Moore and Laudon, 1944, p. 209, Pl. 79, fig. 29. Burdick and Strimple, 1969, p. 4. Webster, 1973, p. 43. Webster, 1977, p. 100.

*Intermediacrinus subtumidus* (Meek and Worthen, 1873). Burdick and Strimple, 1969, p. 8. Webster, 1977, p. 100.

Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois

*Eupachyocrinus tuberculatus* Meek and Worthen, 1865 = *Ethelocrinus tuberculatus*

*Eupachyocrinus tumidus* (Sutton and Winkler, 1940). Bassler and Moodey, 1943, p. 472.

*Intermediocrinus tumidus* Sutton and Winkler, 1940, p. 561, Pl. 68, figs. 15-16.

Bassler and Moodey, 1943, p. 472. Burdick and Strimple, 1969, p. 8. Webster, 1977, p. 100.

Mississippian, Viséan (Chesterian), Renault Limestone. United States, Illinois

*Eupachyocrinus tumulosus* Miller, 1891 = *Agenerocrinus tumulosus* = *Exochocrinus tumulosus*

*Eupachyocrinus vapidus* Wright, 1951 = *Exochocrinus vapidus*

*Eupachyocrinus variabilis* (Sutton and Winkler, 1940) = *Eupachyocrinus boydii*

*Eupachyocrinus verrucosus* Keyes, 1894 = *Parulocrinus verrucosus* = *Aglaocrinus verrucosus*

*Eupachyocrinus verrucosus* Girty, 1915a, p. 32, Pl. 3, fig. 12. (Basal plate of a cromyocrinid, GDW)

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Eupachyocrinus* sp. 1 Wright, J., 1920a, p. 376, Figs. 1-6.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Eupachyocrinus* sp. 2 Wright, J., 1920a, p. 378.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Eupachyocrinus* spp.

Keyes, 1888, p. 225. Weller, S., 1898c, p. 267.

Mississippian. United States, Iowa

Girty, 1915a, p. 33, Pl. 3, fig. 11. (Basal plate of a cromyocrinid, GDW)

Polygonal Moore, 1939b, p. 231, Fig. 11, no. 3 (basal).

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

Sayre, 1930, p. 86. (cup plates).

Pennsylvanian, Missourian, Drum Limestone. United States, Kansas

Hoskins, Inners, and Harper, 1983, p. 37, Fig. Pl. 12.

Mississippian, no locality given

**EUPTYCHOCRINUS** Brower, 1994. \**Glyptocrinus fimbriatus* Shumard, 1855.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Brower, 1994, p. 577. Ausich, 1998b, p. 35. Donovan et al., 2012, p. 156.

Named, currently recognized species based on cups or crowns: 3 species. 2

Ordovician, 1 Katian, 1 Hirnantian; 1 Silurian, Wenlockian

Ordovician, Katian - Hirnantian. North America

Silurian, Wenlockian. United Kingdom, Scotland

\**Euptychocrinus fimbriatus* (Shumard, 1855). Brower, 1994, p. 577.

*Glyptocrinus fimbriatus* Shumard, 1855, p. 194, Pl. A, figs. 10a-10b. Shumard, 1868, p. 372. Bigsby, 1868, p. 20. Miller, S. A., 1883b, p. 227. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 554. Bassler and Moodey, 1943, p. 493. Brower, 1994, p. 577.

Ordovician, Hirnantian (Cincinnatian), Girardeau Limestone. United States, Illinois, Missouri

*Euptychocrinus longibrachialis* (Brower, 1975). Brower, 1994, p. 577.

*Ptychocrinus longibrachialis* Brower, 1975, p. 638, Pl. 74, fig. 3; Fig. 2. Webster, 1986, p. 270. Brower, 1994, p. 577. Donovan, Fernhead, and Lewis, 2007, p. 174, unfig. Donovan et al., 2012, p. 153, Fig. 69.

Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom, Scotland

*Euptychocrinus skopaios* Brower, 1994, p. 579, Figs. 8-12. Brower, 2006, p. 431, Fig. 1, nos. 21-22, 27-28. Brower, 2007b, p. 1287, Fig. 2, nos. 22-24. Sloan, 2005, p. 153, Fig. 4-61, no. 8. Adrian, 2009, p. 30, Fig. 5 right.

Ordovician, Katian, Galena Group, Dunleith Formation, Rivoli, Sherwood, and Sinsinawa Members. United States, Minnesota, Iowa

*EURYALECRINUS* Austin and Austin, 1846 = **TAXOCRINUS**

*EURYALOCRINUS* Delage and Herouard, 1903 = **TAXOCRINUS**

*EURYCRINUS* Cain, 1968 = *EURYOCRINUS*

*EURYOCRINITES* Austin and Austin, 1842 = **EURYOCRINUS**

**EURYOCRINUS** Phillips, 1836. \**E. concavus* Phillips, 1836.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae

Phillips, 1836, p. 205. Bather *in* Lankester, 1900, p. 190. Springer, 1906, p. 483. Springer *in* Zittel, 1913, p. 205. Springer, 1920a, p. 261. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 473. Moore and Laudon, 1943b, p. 73, Fig. 10. Moore and Laudon, 1944, p. 179, Pl. 67, fig. 1. Ubaghs, 1953, p. 755. Arendt and

Hecker, 1964, p. 94. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 129. Webster, 1977, p. 84. Moore *in* Moore and Teichert, 1978, p. T808, Figs. 506, no.

13b; 508, no. 1e; 510, no. 2a. Westhead, 1978, p. 476. Webster, 1986, p. 146. Webster, 1988, p. 85. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 60.

Donovan and Lewis, 2003, p. 3.

*EURYOCRINITES* Austin and Austin, 1842, p. 109. Bassler, 1938, p. 98. Moore *in* Moore and Teichert, 1978, p. T808.

*EURYCRINUS* Cain, 1968, p. 196.

Named, currently recognized species based on cups or crowns: 7 species. 3

Devonian, 3 Givetian; 4 Mississippian, 3 Tournaisian, 1 Viséan  
Devonian, Givetian, Mississippian, Viséan (Osagean). United States  
Mississippian, Tournaisian. United Kingdom

*Euryocrinus barrisi* Springer, 1920a, p. 316, Pl. 40, figs. 1-3. Thomas, A. O., 1924, p. 467, Pl. 44, fig. 8. Bassler and Moodey, 1943, p. 473. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 8. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 22. Webster, 1973, p. 129. Moore *in* Moore and Teichert, 1978, p. T809, Fig. 543, no. 4a-4d. Buehler, 1983, p. 30, Fig. 2. Webster, 1986, p. 146. Webster, 1988, p. 86.

Devonian, Givetian, Traverse Group, Thunder Bay Limestone; Cedar Valley Beds; Four Mile Dam Formation, Dock Street Clay Member. United States, Michigan, Iowa

\**Euryocrinus concavus* Phillips, 1836, p. 205, Pl. 4, figs. 14-15. Springer, 1920a, p. 316, Pl. 40, figs. 4-5. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 473. Wright, J., 1954a, p. 161, Pl. 44, fig. 9. Cain, 1968, p. 196, Fig. 1, nos. b, iv (typographical error as *Euryocrinus* p. 196). Webster, 1973, p. 129. Moore *in* Moore and Teichert, 1978, p. T808, Figs. 541, no. 1; 543, nos. 4- 4f. Webster, 1986, p. 146.

*Actinocrinus concavus* (Phillips, 1836) (non Meek and Worthen, 1861). d'Orbigny, 1850, p. 156.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Euryocrinus concavus* Rofe, 1873 (*non* Phillips, 1836; *non* Meek and Worthen, 1861) = *Euryocrinus rofei*

*Euryocrinus duplex* Wright, 1942 = *Dieuryocrinus duplex*

*Euryocrinus granulosus* (Phillips, 1836). Springer, 1920a, p. 319, Pl. 40, fig. 5. Bassler and Moodey, 1943, p. 473. Ausich and Kammer, 2006, p. 105 (considered *nomen dubium*).

*Poteroocrinus granulosus* Phillips, 1836, p. 205, Pl. 4, fig. 4 only (given as *P. granulatus* on plate explanation). Bronn, 1848, p. 1217. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 473.

*Taxocrinus granulosus* (Phillips, 1836). Bronn, 1848, p. 1217.

*Zeacrinus granulosus* (Phillips, 1836). Sladen, 1878, p. 249.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Euryocrinus?* *granulosus* (Phillips, 1836). Wright, 1954a, p. 164, Fig. 91. Webster, 1973, p. 129.

Mississippian, Tournaisian. United Kingdom

*Euryocrinus laddii* Stewart, 1940, p. 57, Pl. 1, fig. 6. Bassler and Moodey, 1943, p. 473. Ausich, 1996b, p. 248, Fig. 17-6, nos. 5-6.  
Devonian, Givetian, Silica Shale. United States, Ohio

*Euryocrinus? laddii* Stewart, 1940. Kier, 1952, p. 74, Pl. 3, fig. 1. Webster, 1973, p. 129. Kesling and Chilman, 1975, p. 165, Pls. 36, figs. 1-12; 51, fig. 3. Webster, 1986, p. 146.  
Devonian, Givetian, Silica Shale. United States, Ohio

*Euryocrinus rofei* Bather and Gregory in Springer, 1920a, p. 319, Pl. 40, figs. 7-7a. Wright, J., 1928, p. 246, Figs. 1-2. Bassler and Moodey, 1943, p. 473. Wright, J., 1942, p. 280, Pl. 9, fig. 1. Wright, J., 1954a, p. 162, Pls. 42, fig. 13; 44, fig. 3; Fig. 90. Wright, J., 1960, p. 333, Appendix, Pl. B, figs. 5-6. Webster, 1973, p. 129. Westhead, 1978, Fig. 7, no. e. Donovan, 1992c, p. 41, Fig. 6, no. A. Donovan and Lewis, 2003, p. 3, Pl. 4, figs. 5, 8.  
*Euryocrinus concavus* Rofe, 1873 (*non* Phillips, 1836), p. 263, Pl. 11, figs. 11-11b. Bassler and Moodey, 1943, p. 473.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom, Scotland

*Euryocrinus tennesseensis* Springer, 1920a, p. 318, Pl. 40, figs. 6a-6c. Bassler and Moodey, 1943, p. 473. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 23. Webster, 1973, p. 129. Kammer, 1984, p. 129, Fig. 4, no. P. Webster, 1988, p. 85.  
Mississippian, Viséan (Osagean, Borden Formation, New Providence Shale. United States, Tennessee, Kentucky, Indiana

*Euryocrinus* sp. Kammer, 1985c, p. 22, Fig. H. Webster, 1988, p. 85.  
Mississippian, Viséan (Osagean, Borden Formation. United States

**EUSPIROCRINUS** Angelin, 1878. \**E. spiralis* Angelin, 1878.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Angelin, 1878, p. 24. Wachsmuth and Springer, 1880 (1879), p. 143 (366). Zittel, 1880, p. 328, 343, 352. Miller, S. A., 1889, p. 246. Bather, 1890b, p. 319. Bather, 1893a, p. 108. Zittel, 1895, p. 114, 136, Fig. 219. Koken, 1896, p. 281. Bather in Lankester, 1900, p. 173. Wachsmuth in Zittel, 1900, p. 257. Springer in Zittel, 1913, p. 218. Bassler, 1915, p. 526. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 473. Moore and Laudon, 1943b, p. 51. Ubaghs, 1953, p. 750. Moore, 1962b, p. 15, Fig. 9, no. 4. Arendt and Hecker, 1964, p. 85. Webster, 1973, p. 129. Lane and Moore in Moore and Teichert, 1978, p. T583. Ausich, 1986c, p. 725. Webster, 1986, p. 146. Webster, 1988, p. 86. Donovan, 1992a, p. 149. Webster, 1993, p. 60. Eckert and Brett, 2001, p. 45.

Named, currently recognized species based on cups or crowns: 6 species. 2 Ordovician, 1 Katian, 1 Hirnantian; 4 Silurian, 2 Llandoveryan, 1 Wenlockian, 1 Niagaran

Ordovician, Katian (Ashgillian). United Kingdom, Scotland

Ordovician, Hirnantian. Canada, Quebec

Silurian, Llandoveryan - Niagaran. United States

Silurian, Wenlockian. Sweden

- Euspirocrinus cirratus* Strimple, 1963d, p. 65, Pl. 3, figs. 1-4. Webster, 1973, p. 129. Donovan, 1992a, p. 152.  
Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma
- Euspirocrinus gagnoni* Ausich and Copper, 2010, p. 50, Pl. 10, figs. 1-5.  
Ordovician, Hirnantian, Ellis Bay Formation, Lousy Cove and Laframboise Members. Canada, Quebec, Anticosti Island
- Euspirocrinus girvanensis* Donovan, 1992a, p. 150, Pl. 1, figs. 1-2; Fig. 1. Donovan, 1994, p. 75, Fig. 5, no. C. Donovan, 1996a, p. 198, Fig. 4, no. b.  
Ordovician, Katian (Ashgillian), Slade Stage, Rawtheyan, Ladyburn Starfish Bed. United Kingdom, Scotland
- Euspirocrinus heliktos* Ausich, 1986c, p. 725, Figs. 4, no. 2; 6, nos. 1-7; 7. Donovan, 1992a, p. 152. Webster, 1993, p. 60. Ausich, 1996b, p. 247, Fig. 17-5, no. 8.  
Silurian, early Llandoveryan, Brassfield Limestone. United States, Ohio
- Euspirocrinus obconicus* Billings, 1895 = *Eoparisocrinus obconicus*
- \**Euspirocrinus spiralis* Angelin, 1878, p. 24, Pl. 4, figs. 7a-7e. Zittel, 1880, p. 352, Figs. 218; 239. Neumayr, 1889, p. 431, 450, Figs. 121, 129, no. 1. Bather, 1893a, p. 108, Pl. 5, figs. 148-157; Figs. 14-15. Wachsmuth in Zittel, 1900, p. 124, Fig. 219. Delage and Herouard, 1903, p. 378. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 474. Ubaghs, 1953, p. 750, Figs. 21, no. e; 112. Stukalina, 1967, p. 192, Fig. 4, no. 1. Webster, 1973, p. 129. Ubaghs in Moore and Teichert, 1978, p. T65, T195, Figs. 45, 165, no. 35. Lane and Moore in Moore and Teichert, 1978, p. T583, Figs. 372, no. 5; 375, no. 3. Brett, 1984, p. 92, Fig. 1, no. A. Webster, 1986, p. 147. Webster, 1988, p. 86. Donovan, 1992a, p. 152. Simms in Hess et al., 1999 p. 35, Fig. 58, nos. a-b.  
Silurian, Wenlockian, Hogklint Beds. Sweden, Isle of Gotland
- Euspirocrinus wolcottense* Eckert and Brett, 2001, p. 46, Pls. 6, figs. 4, 6-17, 19-20; 7, fig. 17; Fig. 17, nos. A-D.  
Silurian, late Llandoveryan, Wolcott Formation. United States, New York
- ?*Euspirocrinus* sp. Ausich, 1986c, p. 729, Fig. 6, nos. 8, 13. Webster, 1993, p. 60.  
Silurian, early Llandoveryan, Brassfield Limestone. United States, Ohio
- Euspirocrinus?* sp. Ausich and Copper, 2010, p. 51, unfigured.  
Silurian, Llandoveryan, Becscie Formation, Fox Point Member. Canada, Quebec, Anticosti Island
- Eustenocrinidae indeterminate Ausich and Copper, 2010, p. 63, Fig. 11.6.  
Silurian, Llandoveryan, Becscie Formation, Fox Point Member. Canada, Quebec, Anticosti Island
- EUSTENOCRINUS** Ulrich, 1925. \**E. springeri* Ulrich, 1925.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Ulrich, E. O. *in* Foerste, 1925, p. 99. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 474. Moore and Laudon, 1943b, p. 29, Fig. 3. Ubaghs, 1953, p. 744, Fig. 140, no. A. Moore, 1962b, p. 8, Figs. 1, no. 9; 2, no. 2. Webster, 1973, p. 129. Ubaghs *in* Moore and Teichert, 1978, p. T63, Fig. 43, no. 4. Moore and Lane *in* Moore and Teichert, 1978, p. T553. Kelly, 1982, p. 288, Figs. 6, no. 4; 7, no. 1. Donovan, 1984b, p. 624, Fig. 1, no. A. Webster, 1986, p. 147. Sevastopulo and Lane, 1988, p. 246. Rozhnov, 1988, p. 67, Fig. 1, no. m. Webster, 1988, p. 86. Rozhnov, 1989, p. 62, Fig. 1, no. l. Webster, 1993, p. 60. Ausich, 1998b, p. 36. Rozhnov, 2002, p. S557, Fig. 26. (diagramatic).

**ESTENOCRINUS** Rozhnov, 2007b, p. 309, Fig. 2, no. b.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Trentonian). Canada, Ontario

*Eustenocrinus milleri* (Wetherby, 1880) = *Peniculocrinus milleri*

\**Eustenocrinus springeri* Ulrich *in* Foerste, 1925, p. 99, Fig. 14. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 474. Ubaghs, 1953, p. 744, Fig. 18, nos. a-b. Yakovlev, 1964b, p. 66, Fig. 92, no. a. Webster, 1973, p. 129. Ubaghs *in* Moore and Teichert, 1978, p. T122, Fig. 93, nos. 1-2. Moore and Lane *in* Moore and Teichert, 1978, p. T553, Fig. 347, no. 1. Webster, 1986, p. 147. Ordovician, Katian (Trentonian), Hull Limestone. Canada, Ontario

**EUTAXOCRINUS** Springer, 1906. \**Taxocrinus affinis* Müller, 1856.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, F. Taxocrinidae

Springer, 1906, p. 493. Springer *in* Zittel, 1913, p. 205. Springer, 1920a, p. 342. Goldring, 1923, p. 309. Schmidt, W. E., 1934, p. 111. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 474. Moore and Laudon, 1943b, p. 69, Fig. 10. Moore and Laudon, 1944, p. 177, Pl. 67, fig. 14. Webster, 1973, p. 129.

Webster,

1977, p. 85. Moore *in* Moore and Teichert, 1978, p. T768, Figs. 506, no. 12b; 508, no. 4c; 510, no. 1b. Webster, 1986, p. 147. Ausich, 1988, p. 913, Fig. 2, no. 4. Webster, 1988, p. 86. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 60. Lane, Waters, and Maples, 1997, p. 20. Hauser, 1997, p. 123, Fig. 38. Hauser, 2001, p. 76, Fig. 60. Hauser *in* Hauser and Landeta, 2007, p. 62, Fig. 4. Donovan et al., 2010, p. 125.

Named, currently recognized species based on cups or crowns: 40 species, 1 subspecies. 2 Silurian, 1 Wenlockian, 1 Ludlovian; 34 Devonian, 1 Early Devonian, 1 Pragian, 9 Emsian (+1 subspecies), 1 Emsian – Eifelian, 5 Eifelian, 4 Givetian, 9 Frasnian, 4 Famennian; 4 Mississippian, Tournaisian

Silurian, Wenlockian - Middle Devonian. Europe

Early Devonian. Russia

Devonian, Givetian - Mississippian, Tournaisian (Kinderhookian). North America

Devonian, Famennian. China

\**Eutaxocrinus affinis* (Müller, 1856). Springer, 1906, p. 519. Springer, 1920a, p. 362, Pl. 49, figs. 9-10. Bassler and Moodey, 1943, p. 474. Moore *in* Moore and Teichert,

- 1978, p. T770, Figs. 511, no. 6; 51, nos. 1a-1c. Webster, 1986, p. 147. Hauser, 1997, p. 123, Pl. 72, fig. 1. Hauser, 2001, p. 23, 76, Pl. 1, figs. 3-3a; Figs. 61-63. Hauser in Hauser and Landeta, 2007, p. 63, Figs. 8; 10, no. 6.
- Taxocrinus affinis* Müller, J., 1856, p. 353. Müller, J., 1857, p. 244, Pl. 1, figs. 1-2. Schultze, 1866, p. 34 (adv. pub.). Schultze, 1867, p. 146, Pl. 4, fig. 2. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 474.  
Devonian, Eifelian, horizon uncertain. Germany
- Eutaxocrinus* aff. *affinis* (Müller, 1856). Hauser, 1997, Pl. 72, fig. 6.  
Devonian, Givetian, Loogh Formation, Hustley Member. Germany
- Eutaxocrinus alfredi* Goldring, 1935a, p. 339, Pl. 23, figs. 1-2. Bassler and Moodey, 1943, p. 474.  
Devonian, Frasnian, lower part of Chemung Formation, Alfred Shale. United States, New York
- Eutaxocrinus alpha* (Williams, 1882). Springer, 1920a, p. 368, Pl. 50, figs. 2, 4-5. Goldring, 1923, p. 311, Pl. 39, figs. 5-13. Bassler and Moodey, 1943, p. 474. Hauser in Hauser and Landeta, 2007, p. 64, Fig. 10, no. 10.  
*Taxocrinus ithacensis* var. *alpha* Williams, M. E., 1882, p. 29. Bassler and Moodey, 1943, p. 474.  
Devonian, Frasnian, Portage, Ithaca Beds. United States, New York
- Eutaxocrinus amplus* Springer, 1920 = *Eutaxocrinus?* *amplus*
- Eutaxocrinus?* *amplus* Springer, 1920a, p. 370, Pl. 50, fig. 10. Goldring, 1923, p. 316, Pl. 38, fig. 11. Bassler and Moodey, 1943, p. 474.  
*Eutaxocrinus amplus* Springer, 1920. Hauser in Hauser and Landeta, 2007, p. 64, Fig. 10, no. 9.  
Devonian, Frasnian, upper part of Chemung Formation. United States, New York
- Eutaxocrinus asturianus* Hauser in Hauser and Landeta, 1007 = *Eutaxocrinus asturienus*
- Eutaxocrinus asturiensis* Hauser in Hauser and Landeta, 2007 (*nomen correctum*)  
*Eutaxocrinus asturianus* Hauser in Hauser and Landeta, 2007, p. 62, Figs. 5, 10, no. 7.  
**Note**, specific name is for an geographic area and should be *asturiaensis*, not *asturianus*. GDW, 2010.  
Devonian, Eifelian, Moniello Formation. Spain
- Eutaxocrinus basellus* Lane, Waters, and Maples, 1997, p. 24, Figs. 7.9-7.11. Webster and Waters, 2009, p. 283, Fig. 5, nos. K-L.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region
- Eutaxocrinus boulongourensis* Lane, Waters, and Maples, 1997, p. 24, Figs. 7.7-7.8, 8.6.



Devonian, Famennian, Hongguleleng Formation, upper member. China, Xinjiang-Uygur Autonomous Region

*Eutaxocrinus capella* Prokop and Petr, 1987b, p. 165, Pl. 1; Fig. 1. Prokop and Petr, 1990, p. 18. Webster, 1993, p. 60.

Devonian, early Emsian, Zlichov Limestone, "Kaplika" Coral Horizon. Czech Republic

*Eutaxocrinus conferprognatus* Schmidt *in* Hendriks, 1951, p. 297, Unnum. Fig. Bairstow, 1951, p. 296. Schmidt, W. E., 1951, p. 296. Webster, 1973, p. 129. Devonian, Eifelian. United Kingdom

*Eutaxocrinus chinaensis* Lane, Waters, and Maples, 1997, p. 20, Figs. 7.1-7.3, 7.6, 7.12-7.14, 8.1-8.5. Waters et al., 2003, p. 938, Figs. 9, no. 6; 12, no. 13. Devonian, Famennian, Hongguleleng Formation, lower member. China, Xinjiang-Uygur Autonomous Region

*Eutaxocrinus collantesi* Hauser *in* Hauser and Landeta, 2007, p. 64, Figs. 9; 10, no. 13. Devonian, late Emsian, La Vid Group. Spain

*Eutaxocrinus curtus* (Williams, 1882). Springer, 1920a, p. 369, Pl. 50, figs. 6-9. Goldring, 1923, p. 313, Pl. 39, figs. 14-17. Bassler and Moodey, 1943, p. 474. Hauser *in* Hauser and Landeta, 2007, p. 64, Fig. 10, no. 8. *Taxocrinus curtus* Williams, M. E., 1882, p. 30. Miller, S. A., 1889, p. 285. Bassler and Moodey, 1943, p. 474. Devonian, Frasnian, Portage Formation, Ithaca Beds. United States, New York

*Eutaxocrinus dero* Laudon, 1933, p. 58, Pls. 2, fig. 11; 5, fig. 1. Bassler and Moodey, 1943, p. 474. Jacobson, 1970, p. 232, Pl. 3, figs. 1, 3. Webster, 1977, p. 85. Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Eutaxocrinus dumosus* Goldring, 1923, p. 317, Pl. 38, fig. 12. Bassler and Moodey, 1943, p. 474. Devonian, Frasnian, Portage Formation, Ithaca Beds. United States, New York

*Eutaxocrinus eifelensis* Springer, 1920a, p. 364, Pl. 49, fig. 13. Bassler and Moodey, 1943, p. 475. Hauser, 1997, p. 124. Devonian, Eifelian, Eifel Limestone or *Stringocephalus* Limestone. Germany

*Eutaxocrinus elleri* Goldring, 1935a, p. 337, Pl. 22, figs. 1-10. Bassler and Moodey, 1943, p. 475. Devonian, Frasnian, lower part of Chemung Formation, Alfred Shale. United States, New York

*Eutaxocrinus fletcheri* (Worthen, 1882). Springer, 1920a, p. 371, Pl. 50, figs. 11-19. Laudon and Beane, 1937, p. 253, Pl. 17, figs. 7-8. Bassler and Moodey, 1943, p. 475. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 9. Moore and Laudon, 1944,

- p. 177, Pl. 68, fig. 10. Boyt, 1962, Unnum. Fig. p. 11. Webster, 1973, p. 129. Webster, 1977, p. 85. Moore *in* Moore and Teichert, 1978, p. T771, Fig. 513, no. 1e. Webster, 1986, p. 147. Gahn and Baumiller, 2004, p. 19, Fig. 3, no. F. Hauser *in* Hauser and Landeta, 2007, p. 64, Fig. 10, no. 11.
- Taxocrinus fletcheri* Worthen, 1882, p. 31. Worthen, 1883, p. 308, Pl. 30, fig. 2. Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1890, p. 197, Pl. 15, figs. 6, 9. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 475.
- Taxocrinus robustus* Miller, S. A., 1889, p. 286, Fig. 442.
- Note.** Miller attributed authorship of this taxon to Wachsmuth, in press *in* Illinois Geological Survey v. 8. In that volume the taxon is identified as *Taxocrinus fletcheri* and the same figure is used by Miller.
- Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Eutaxocrinus fuchsi* Schmidt, W. E., 1942, p. 188, Pl. 25, fig. 4; Fig. 51. Webster, 1973, p. 129.
- Devonian, Pragian, lower Coblenzian beds. Germany
- Eutaxocrinus gracilis* (Meek and Worthen, 1865). Springer, 1920a, p. 367, Pl. 49, figs. 8-8b. Thomas, A. O., 1924, p. 471, Pl. 44, figs. 17-18. Laudon, 1936, p. 61, Fig. 3. Bassler and Moodey, 1943, p. 475.
- Taxocrinus gracilis* Meek and Worthen, 1865a, p. 142. Meek and Worthen, 1868c, p. 421, Pl. 13, fig. 3; Unnum. Fig. Shumard, 1868, p. 397. Miller, S. A., 1889, p. 285, Fig. 441.
- Devonian, Givetian, Cedar Valley Limestone, Littleton Member; St. Laurent Limestone. United States, Iowa, Illinois
- Eutaxocrinus immersus* Dubatolova, 1964, p. 50, Pl. 6, fig. 5. Webster, 1973, p. 130.
- Early Devonian. Russia, Kuznetz Basin
- Eutaxocrinus ithacensis* (Williams, 1882). Springer, 1920a, p. 367, Pl. 50, figs. 1, 3. Goldring, 1923, p. 309, Pl. 39, figs. 1-4. Bassler and Moodey, 1943, p. 475. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 4. Webster, 1973, p. 130.
- Taxocrinus ithacensis* Williams, M. E., 1882, p. 28, Pl. 1, fig. 10. Miller, S. A., 1889, p. 285. Bassler and Moodey, 1943, p. 475.
- Devonian, Frasnian, Ithaca Beds; Sherburne Sandstone; Portage Formation. United States, New York
- Eutaxocrinus juglandiformis* (Schultze, 1866). Springer, 1920a, p. 363, Pl. 49, figs. 11-12. Bassler and Moodey, 1943, p. 475. Hauser, 1997, p. 126. Hauser, 2001, p. 23, 79, Pls. 2, figs. 3-3a; 3, figs. 3-3a; Fig. 64, nos. 4a-4b. Hauser *in* Hauser and Landeta, 2007, p. 64, Fig. 10, no. 4.
- Taxocrinus juglandiformis* Schultze, 1866, p. 35, (adv. pub.). Schultze, 1867, p. 147, Pl. 4, fig. 4. Frech, 1902, Pl. 27, fig. 7. Bassler and Moodey, 1943, p. 475.
- Devonian, Eifelian, Eifel Limestone. Germany

*Eutaxocrinus juglandiformis* Schultze. Jungheim, 1979 = *Scoliocrinus gerolsteinensis*

*Eutaxocrinus? kergarvanensis* Le Menn, 1985, p. 100, Pls. 22, figs. 8-16; 23, figs. 1-5 (not Pl. 22, figs. 9-16 as given p. 100). Le Menn, 1987b, p. 815, Pl. 1, figs. 1-4, 7-8. Webster, 1988, p. 86. Webster, 1993, p. 60.

Devonian, Givetian, Lanvov Formation. France, Armorican Massif

*Eutaxocrinus maccoyanus* (Salter, 1873). Ramsbottom, 1958, p. 108, Pl. 20, figs. 4-6. Webster, 1973, p. 130. Donovan et al., 2007, p. 49, Fig. 7, no. H. Donovan et al., 2010, p. 125, Pl. 36, figs. 1-2; Fig. 56.

*Ichthyocrinus mccooyanus* Salter, 1873, p. 163, Unnum. Fig. Bassler and Moodey, 1943, p. 522. Ramsbottom, 1958, p. 108. Webster, 1973, p. 130.

Silurian, Ludlow, Ludfordian, Bannisdale Slates, *Monograptus leintwardinensis* Biozone; lower part of Leintwardine Formation. United Kingdom, Westmorland, Herefordshire

*Eutaxocrinus maureri* Schmidt, W. E., 1942, p. 184, Pl. 25, fig. 5. Webster, 1973, p. 130.

Devonian, Emsian, upper Coblenzian beds. Germany

*Eutaxocrinus? sp. cf. E. maureri* Schmidt, 1942. Le Menn, 1987a, p. 229, Pl. 1, figs. 8-9. Webster, 1993, p. 60.

Devonian, Emsian, lower Gedinnian - lower Siegenian, Saint-Cenere Formation. France

*Eutaxocrinus montanensis* Springer, 1920a, p. 372, Pl. 50, fig. 20. Bassler and Moodey, 1943, p. 475. Laudon and Severson, 1953, p. 523, Pl. 54, figs. 18-20. Webster, 1973, p. 130. Hauser in Hauser and Landeta, 2007, p. 64, Fig. 10, no. 12 (misspelled as *E. mantanensis* in figure explanation).

Mississippian, Kinderhookian or Osagean, Lodgepole Limestone. United States, Montana

Mississippian, Tournaisian (Kinderhookian), Le Grand Beds. United States, Iowa

*Eutaxocrinus oblongatus* (Angelin, 1878). Springer, 1920a, p. 359, Pl. 48, figs. 1-4. Bassler and Moodey, 1943, p. 475. Moore in Moore and Teichert, 1978, p. T771, Fig. 513, no. 1d. Webster, 1986, p. 147. Hauser in Hauser and Landeta, 2007, p. 64, Fig. 10, no. 1.

*Taxocrinus oblongatus* Angelin, 1878, p. 8, Pl. 22, fig. 17. Bassler and Moodey, 1943, p. 475.

*Taxocrinus rigens* Angelin, 1878, p. 9, Pl. 18, figs. 7-8. Bassler and Moodey, 1943, p. 475.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Eutaxocrinus patulus* Schmidt, W. E., 1942, p. 185, Pl. 25, fig. 1. Webster, 1973, p. 130. Hauser in Hauser and Landeta, 2007, p. 63, Fig. 7.

Devonian, Emsian, upper Coblenzian beds. Germany

- Eutaxocrinus* cf. *patulus* Schmidt, W. E., 1942, p. 186, Pl. 25, fig. 2. Webster, 1973, p. 130.  
Devonian, Emsian, upper Coblenzian beds. Germany
- Eutaxocrinus?* *perplexus* Springer, 1920a, p. 365, Pl. 47, figs. 18a-18b. Bassler and Moodey, 1943, p. 475.  
Middle Devonian, Givetian, *Stringocephalus* Limestone. Belgium
- Eutaxocrinus procerus* Schmidt, W. E., 1942, p. 183, Pl. 25, fig. 3. Webster, 1973, p. 130.  
Devonian, Emsian, upper Coblenzian beds. Germany
- Eutaxocrinus prognatus* Schmidt, W. E., 1934, p. 112, Pl. 15, fig. 2. Bassler and Moodey, 1943, p. 475.  
Devonian, early Emsian, Hunsrückschiefer. Germany
- Eutaxocrinus?* *pulcher* Springer, 1920a, p. 369, Pl. 75, fig. 10. Goldring, 1923, p. 314, Pl. 38, figs. 8-10. Bassler and Moodey, 1943, p. 476.  
Devonian, Frasnian, lower part of Chemung Formation. United States, New York
- Eutaxocrinus pulvinatus* Laudon, Parks, and Spreng, 1952, p. 560, Pls. 66, figs. 8-9; 69, fig. 10. Webster, 1973, p. 130.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Eutaxocrinus rhenanus* (Roemer, 1851). Springer, 1920a, p. 360, Pl. 48, figs. 5-10. Bassler and Moodey, 1943, p. 476. Schmidt, W. E., 1942, p. 181, Fig. 49. Webster, 1973, p. 130. Breuer *et al.*, 1992, p. 64, Pl. 11, fig. 2. Hauser *in* Hauser and Landeta, 2007, p. 64, Pl. 2, fig. 7; Fig. 10, no. 2.
- Cyathocrinus rhenanus* Roemer, C. F., 1851a, p. 7, Pl. 2, figs. 2a-2e. Roemer, C. F., 1851b, p. 363, Pl. 8, figs. 2a-2e. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 236. Bassler and Moodey, 1943, p. 476.
- Cyathocrinites rhenanus* (Roemer, 1851). Quenstedt, 1885, p. 945, Pl. 75, fig. 12.
- Taxocrinus rhenanus* (Roemer, 1851). Sandberger and Sandberger, 1850-1856, p. 393, Pl. 35, figs. 17-17a only; Unnum. Fig. Müller, J., 1859, p. 185. Bassler and Moodey, 1943, p. 476.  
Devonian, Emsian (late Coblenzian), *Spirifer* Sandstone. Germany  
Devonian, early Eifelian, Santa Lucia Formation; Coblenzian. Spain, Germany
- Eutaxocrinus risehensis* Webster, Maples, and Yazdi, 2007, p. 1115, Fig. 5, nos. 1-2.  
Devonian, late Famennian, Shishtu Formation. Central Iran
- Eutaxocrinus sandbergeri* Schmidt, W. E., 1942, p. 186, Fig. 50. Webster, 1973, p. 130.  
Devonian, Emsian, upper Coblenzian beds. Germany
- Eutaxocrinus sincerus* Schmidt, W. E., 1932, p. 113, Pl. 20, fig. 2. Bassler and Moodey, 1943, p. 476.

*Taxocrinus sturtzii* Opitz, 1932 (*non* Follmann), p. 105, Fig. 104. Bassler and Moodey, 1943, p. 476.  
Early Devonian, early Emsian, Hunsrückschiefer. Germany

*Eutaxocrinus sturtzii* (Follmann, 1887). Springer, 1920a, p. 361, Pl. 48, fig. 11 only. Bassler and Moodey, 1943, p. 476. Webster, 1977, p. 85. Hess *in* Hess et al., 1999 p. 114, Fig. 125.

*Taxocrinus sturtzii* Follmann, 1887, p. 118, Pl. 1, fig. 3. Schmidt, W. E., 1934, p. 114. Opitz, 1935, p. 509, Fig. 4. Bassler and Moodey, 1943, p. 476. Webster, 1977, p. 85. Bartels and Brassel, 1990, p. 173, Fig. 158 (spelled as *T. stuertzii* on figure explanation). Bartels, 1995, p. 41, Unnum. Fig.

*Taxocrinus sturtzi* Follmann, 1887. Lehmann, 1943, Unnum. Fig. p. 19.

*Taxocrinus stuertzii* Follmann, 1887. Bartels, 1994, p. 49, Fig. 29. Bartels, Briggs, and Brassel, 1998, p. 170, Fig. 147; p. 194, Figs. 171-172 (misspelled as *T. stuertzi* on Figs. 171-172).

*Taxocrinus stuertzi* Follman, 1887. Sudkamp, 1995, p. 122, unnumbered figs. p. 122,  
123.

*Eutaxocrinus stützii* (Follmann, 1887). Hauser *in* Hauser and Landeta, 2007, p. 64, Fig. 10, no. 3.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bunderbach

*Eutaxocrinus sturtzii* Springer, 1920 = *Eutaxocrinus* sp.

*Eutaxocrinus sturtzii spinifer* (Schmidt, 1934). Bassler and Moodey, 1943, p. 476.

*Taxocrinus sturtzii* var. *spinifer* Schmidt, W. E., 1934, p. 114, Pl. 15, fig. 1; Fig. 26. Bassler and Moodey, 1943, p. 476.

Early Devonian, early Emsian, Hunsrückschiefer. Germany

*Eutaxocrinus stützii* (Follmann), Hauser *in* Hauser and Landeta, 2007 = *Eutaxocrinus sturtzii*

*Eutaxocrinus tenuiramosus* Goldring, 1935a p. 340, Pl. 23, figs. 3-7. Bassler and Moodey, 1943, p. 476.

Devonian, Frasnian, lower part of Chemung Formation, Alfred Shale. United States, New York

*Eutaxocrinus whiteavesi* Springer, 1920a, p. 366, Pl. 49, figs. 1-7. Bassler and

Moodey, 1943, p. 476. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 3. Moore and

Laudon, 1944, p. 177, Pl. 68, fig. 16. Webster, 1973, p. 130. Hauser *in* Hauser and Landeta, 2007, p. 64, Fig. 10, no. 5.

*Taxocrinus lobatus* var. *Whiteaves*, 1887 (adv. pub.). Whiteaves, 1889, p. 94, Pl. 12,

fig. 1. Bassler and Moodey, 1943, p. 476.

Devonian, Givetian, Widder Formation; ?Wanakah Shale. Canada, Ontario; United States, New York

*Eutaxocrinus wideneri* Kesling and Strimple, 1971, p. 292, Pls. 1-6; Figs. 1-2.  
 Kesling and Chilman, 1975, p. 164, Pl. 39, figs. 6-13; Unnum. Fig. p. 165.  
 Webster, 1986, p. 147.

Devonian, Givetian, Silica Shale. United States, Ohio

*Eutaxocrinus* sp. Hou *et al.*, 1994 = *Forbesiocrinus inexpectans*

?*Eutaxocrinus* sp. Hauser, 1997 = *Scoliocrinus gerolsteinensis*

*Eutaxocrinus* spp.

Koenigswald, 1931, p. 353, Figs. 14-15.

Devonian, early Emsian, Bundenbacher Schiefers. Germany

Bassler and Moodey, 1943, p. 476.

*Eutaxocrinus sturtzii* Springer, 1920a, Pl. 48, fig. 12 only. Bassler and Moodey,  
 1943, p. 476.

Devonian, early Emsian, Hunsrückschiefer. Germany

Hou, *et al.*, 1994, p. 7, Pl. 1, fig. 8.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

Hou, *et al.*, 1994, p. 7, Pl. 1, figs. 9-14.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

Lane, 1995, p. 94, Pl. 1, figs. 8-14.

Late Devonian. Western China

Howell, 1995, p. 100, Pl. 6, fig. 1.

No age or locality given

Hauser, 1997, Pl. 72, fig. 2.

Devonian, Givetian, Lough Formation. Germany

Webster *et al.*, 2001, p. 108, Pl. 3, figs. A-B.

Devonian, Early Famennian, Bahram Formation. Southeastern Iran

?*Eutaxocrinus* sp. oder *Hexacrinites* Hauser, 1997, Pl. 71, fig. 5.

Devonian, Givetian, ?Lough Formation. Germany

**EUTELECRINUS** Wanner, 1916. \**E. piriformis* Wanner, 1916.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
 Eutelecrinidae

Wanner, 1916, p. 23. Diener, 1927, p. 12. Bassler, 1938, p. 99. Bassler and  
 Moodey, 1943, p. 476. Moore and Laudon, 1943b, p. 101. Branson, C. C.,  
 1948,

p. 193. Ubaghs, 1953, p. 743. Arendt and Hecker, 1964, p. 98. Webster, 1973,  
 p.

130. Ubaghs *in* Moore and Teichert, 1978, p. 514. Frest and Strimple, 1980, p.  
 262, Fig. 4, nos. a-e. Webster, 1986, p. 147. Webster, 1993, p. 60.

Named, currently recognized species based on cups or crowns: 2 Permian species,  
 series uncertain

Permian, series uncertain. West Timor

*Eutelecrinus depressus* Wanner, 1924 = *Eutelecrinus poculiformis*

*Eutelecrinus elongatus* Wanner, 1916 = *Paraeutelecrinus elongatus*

*Eutelecrinus erectus* Wanner, 1916 = *Paraeutelecrinus erectus*

*Eutelecrinus fritillus* Wanner, 1937 = \**Metaeutelecrinus fritillus*

*Eutelecrinus inflatus* Wanner, 1916 = *Eutelecrinus poculiformis*

*Eutelecrinus mangostanus* Wanner, 1916 = *Eutelecrinus poculiformis*

\**Eutelecrinus piriformis* Wanner, 1916, p. 25, Pl. 98 (3), figs. 1-3. Diener, 1927, p. 12., Pl. 2, figs. 3a-3b. Wanner, 1937, p. 69, Pls. 5, figs. 22-26; 6, fig. 1. Bassler, 1938, p. 99. Marez Oyens, 1940a, p. 299, Pl. 2, fig. 3. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 193. Ubaghs *in* Moore and Teichert, 1978, p. T514, Fig. 315, no. 2. Webster, 1986, p. 148. Webster, 1993, p. 61. *Eutelocrinus piriformis* (Wanner, 1916). Bowsher and Strimple, 1986, p. 8, Fig. 24, nos. a-b.

Permian, series uncertain. West Timor, Basleo

*Eutelecrinus poculiformis* Wanner, 1916, p. 26, Pl. 98 (3), figs. 4-5. Wanner, 1924, p. 78, Pl. 3, fig. 8. Wanner, 1937, p. 69, Pl. 6, figs. 2-19. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194.

*Eutelecrinus depressus* Wanner, 1924, p. 80, Pl. 2, figs. 11-12. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194.

*Eutelecrinus inflatus* Wanner, 1916, p. 30, Pl. 98 (3), fig. 10. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194.

*Eutelecrinus mangostanus* Wanner, 1916, p. 29, Pl. 98 (3), figs. 8-9. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194.

*Eutelecrinus subglobosus* Wanner, 1924, p. 79, Pl. 2, figs. 7-8. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194.

Permian, series uncertain. West Timor, Basleo

*Eutelecrinus subglobosus* Wanner, 1924 = *Eutelecrinus poculiformis*

*Eutelecrinus subwelteri* Wanner, 1937 = \**Paraeutelecrinus subwelteri*

*Eutelecrinus welteri* Wanner, 1916 = *Paraeutelecrinus welteri*

*Eutelecrinus* sp. Breimer, 1962a, p. 143, Fig. 32. Webster, 1973, p. 130.

Permian, series uncertain. West Timor

*Eutelocrinus piriformis* (Wanner, 1916) = *Eutelecrinus piriformis*

**EUTROCHOCRINUS** Wachsmuth and Springer, 1897. \**Actinocrinus christyi* Shumard, 1855.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Wachsmuth and Springer, 1897, p. 408. Miller, S. A., 1897, p. 746. Bather *in* Lankester, 1900, p. 167. Grabau and Shimer, 1910, p. 542. Springer, 1913, p. 196. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 477. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 197, Pl. 71, fig. 7. Ubaghs, 1953, p. 740. Webster, 1973, p. 130. Webster, 1977, p. 85. Haugh, 1978, p. 164, Fig. 11, no. F. Lane *in* Moore and Teichert, 1978, p. T469. Webster, 1986, p. 148. Lane and Sevastopulo, 1987, p. 204. Webster, 1993, p. 61. Ausich and Kammer, 2010a, p. 43.

Named, currently recognized species based on cups or crowns: 9 Mississippian species, 1 Tournaisian, 1 Tournaisian – Viséan (Kinderhookian – Osagean), 7 Viséan

Mississippian, Tournaisian – Viséan (late Kinderhookian – Osagean). United States

*Eutrochocrinus albersi* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.

*Batocrinus albersi* Miller and Gurley, 1896c, p. 38, Pl. 2, figs. 6-8. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Eutrochocrinus christi* (Shumard, 1855) = *Eutrochocrinus christyi*

\**Eutrochocrinus christyi* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 409, Pls. 3, fig. 21; 4, figs. 7, 13, 16; 5, fig. 10; 29, fig. 6; 32, figs. 1a-1c. Weller, S., 1898c, p. 270. Grabau and Shimer, 1910, p. 542, Fig. 1871. Bassler and Moodey, 1943, p. 477. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 11. Moore and Laudon, 1944, p. 197, Pls. 75, fig. 8; 76, fig. 21. Laudon, 1948, Pl. 2. Ubaghs, 1953, p. 740, Fig. 22, no. c. Good, 1968, Pl. 1, fig. 4. Laudon, 1973b, p. 28, Fig. 4. Webster, 1973, p. 130. Haugh, 1975a, p. 479, Pls. 1, fig. 2; 3, figs. 1, 4; 5, fig. 8. Ubaghs *in* Moore and Teichert, 1978, p. T118, T201, Figs. 90, no. 4; 170, no. 6; 171. Lane *in* Moore and Teichert, 1978, p. T469, Fig. 276, no. 1.

Wolf,

1979, p. 151, Fig. 2, no. g. Haugh and Bell, 1980a, p. 654, Fig. 2, no. A.

Webster,

1986, p. 148. Ausich et al. *in* Hess et al., 1999 p. 24, Fig. 38. Gahn and Baumiller, 2010, p. 514g, Fig. 7.

*Actinocrinites* sp. Christy, 1848, Pl. 1, figs. 1-2. Weller, S., 1898c, p. 270.

*Actinocrinus christyi* Shumard, 1855, p. 191, Pl. A, fig. 3. Shumard, 1868, p. 342.

?Bigsby, 1868, p. 196. Quenstedt, 1876a, p. 742, Pl. 17, fig. 17. Quenstedt, 1876b, p. 581, Pl. 11-A, figs. 15-18. Miller, S. A., 1889, p. 217. Weller, S.,

1898c,

p. 270. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 477.

*Actinocrinites cristii* (Shumard, 1855). Quenstedt, 1885, p. 956, Pl. 77, fig. 4 (typographical error as *Actinocrinus cristii* on plate explanation).

*Actinocrinus cristii* (Shumard, 1855). Quenstedt, 1867, p. 742, Pl. 71, fig. 17.

*Batocrinus christyi* (Shumard, 1855). Meek and Worthen, 1873, p. 367, Pl. 5, fig. 4. Miller, S. A., 1889, p. 227. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943,



- p. 477.
- Eutrochocrinus christi* (Shumard, 1855). McLead, 1973, p. 244, Pls. 1, fig. 3; 2, fig. 5.
- Eutrochocrinus christyi* var. *trochiscus* Wachsmuth and Springer, 1897, p. 410, Pl. 32, fig. 3. Bassler and Moodey, 1943, p. 478.
- Eutrochocrinus christyi trochiscus* Wachsmuth and Springer, 1897. Weller, S., 1898c, p. 270. Laudon, 1973b, p. 28, Figs. 1, 4. Webster, 1977, p. 85.
- Batocrinus altiusculus* Miller and Gurley, 1893, p. 20, Pl. 5, figs. 1-3. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 477.
- Batocrinus bisbrachiatus* Whitfield, 1893b, p. 13, Pl. 2, figs. 4-5. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Choteau Limestone, upper part of Burlington Limestone; Fern Glen Limestone; St. Joe Formation; Lake Valley Limestone. United States, Missouri, Iowa, Illinois, Arkansas, Oklahoma, New Mexico
- Eutrochocrinus christyi trochiscus* Wachsmuth and Springer, 1897 = *Eutrochocrinus christyi*
- Eutrochocrinus christyi* var. *trochiscus* Wachsmuth and Springer, 1897 = *Eutrochocrinus christyi*
- Eutrochocrinus hodgsoni* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.
- Batocrinus hodgsoni* Miller and Gurley, 1896a, p. 8, Pl. 1, figs. 6-7. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Eutrochocrinus iola* (Laudon, 1933). Ausich and Kammer, 2010a, p. 43.
- Aorocrinus iola* Laudon, 1933, p. 49, Pl. 2, figs. 7-8. Bassler and Moodey, 1943, p. 305. Laudon, Parks, and Spreng, 1952, p. 569, Pl. 67, figs. 16-17. Jacobson, 1970, p. 230, Pl. 2, fig. top left. Webster, 1973, p. 54. Webster, 1977, p. 40.
- Ausich and Kammer, 2010a, p. 43.
- Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation; Banff Formation. United States, Iowa; Canada, Alberta
- Eutrochocrinus lepidus* (Hall, 1859). Ausich and Kammer, 2010a, p. 43.
- Abatocrinus lepidus* (Hall, 1859). Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Actinocrinus lepidus* Hall, 1859a, p. 32, Unnum. Fig. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327.
- Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.
- Batocrinus lepidus* (Hall, 1859). Miller, S. A., 1889, p. 228. Whitfield, 1893b, p. 16, Pl. 1, figs. 16, 18. Miller, S. A., 1897, p. 737. Wachsmuth and Springer, 1897, p. 372, Pl. 28, figs. 2-3. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 47.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Illinois, Iowa, Missouri

- Eutrochocrinus lovei* (Wachsmuth and Springer, 1881). Wachsmuth and Springer, 1897, p. 412, Pls. 29, fig. 7; 32, figs. 2a-2b. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478.
- Batocrinus lovei* Wachsmuth and Springer, 1881, p. 168 (342). Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478.
- Batocrinus lovii* Wachsmuth and Springer, 1881. Miller, S. A., 1889, p. 228. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Eutrochocrinus planodiscus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 411, Pl. 32, figs. 4a-4b. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478. Laudon, 1973b, p. 28, Fig. 4. Webster, 1977, p. 85.
- Actinocrinus planodiscus* Hall, 1859a, p. 45, Unnum. Fig. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478.
- Batocrinus planodiscus* (Hall, 1859). Miller, S. A., 1889, p. 228. Keyes, 1894a, p. 184. Weller, S., 1898c, p. 270. Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa
- Eutrochocrinus sagetownensis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 43.
- Batocrinus sagetownensis* Miller and Gurley, 1896c, p. 54, Pl. 4, figs. 5-7. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Eutrochocrinus trochiscus* (Meek and Worthen, 1868). Bassler and Moodey, 1943, p. 478. Laudon, 1948, Pl. 2. Webster, 1973, p. 130.
- Batocrinus trochiscus* Meek and Worthen, 1868b, p. 354. Meek and Worthen, 1873, p. 372, Pl. 5, fig. 6. Miller, S. A., 1889, p. 228, Weller, S., 1898c, p. 270. Bassler and Moodey, 1943, p. 478.
- Batocrinus trochiscus* Meek and Worthen, 1868. Keyes, 1894a, p. 181, Pl. 23, fig. 5. Mississippian, Viséan (Osagean), upper part of Burlington Limestone, Burlington-Keokuk transition beds. United States, Iowa
- Eutrochocrinus* spp.  
Haugh, 1973a, p. 82, Pl. 1, fig. 10; Fig. 6, no. k. Haugh, 1975b, p. 267, Figs. 5, no. 5; 6, no. 1. Webster, 1977, p. 85. Wolf, 1979, p. 151, Fig. 2, no. g. 8.  
Mississippian, Viséan (Osagean), Boone Chert. United States, Missouri  
Ausich and Kammer, 2010b, p. 119, Fig. 3, nos. A-B (from Wachsmuth and Springer, 1897).  
Age and locality not given
- EXAETOCRINUS** Strimple and Watkins, 1969. \**Stuartwellerocrinus argentinei* Strimple, 1949.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Erisocrinidae

Strimple, and Watkins, 1969, p. 181. Strimple and Moore, 1971a, p. 9. Pabian and Strimple, 1974a, p. 257. Webster, 1977, p. 85. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705. Webster, 1986, p. 148. Lane and Sevastopulo, 1990, p. 336. Chen and Yao, 1993, p. 66, Fig. 42. Webster, 1993, p. 61.

Named, currently recognized species based on cups or crowns: 5 species. 1 Mississippian, Viséan; 4 Pennsylvanian, 1 Desmoinesian, 3 Missourian Mississippian. China, Yunnan  
Pennsylvanian, Desmoinesian - Virgilian. United States

\**Exaetocrinus argentinei* (Strimple, 1949). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 85. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705, Fig. 463, no. 2. Webster, 1986, p. 148.

*Stuartwellerocrinus argentinei* Strimple, 1949b, p. 125, Pl. 4, figs. 1-4; Fig. 1, no. b. Strimple, 1960b, p. 155, Fig. 2, no. E. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 246. Webster, 1977, p. 86.

Pennsylvanian, Missourian, Argentine Limestone. United States, Missouri

*Exaetocrinus carlopsensis* (Wright, 1939). Kammer and Ausich, 2007c, p. 146.

*Erisocrinus carlopsensis* Wright, J., 1939, p. 39, Pl. 9, figs. 8-9. Bassler and Moodey, 1943, p. 459. Wright, J., 1951b, p. 101, Pl. 30, figs. 11-12. Webster, 1973, p. 124. Kammer and Ausich, 2007c, p. 146.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Exaetocrinus conoideus* (Meek and Worthen, 1866). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 86.

*Erisocrinus conoideus* Meek and Worthen, 1866a, p. 150. Meek and Worthen, 1868c, p. 318, Fig. 35. Shumard, 1868, p. 369. Miller, S. A., 1889, p. 243, Fig. 300. Weller, S., 1898c, p. 253. Bassler and Moodey, 1943, p. 459. Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 86.

Pennsylvanian, Missourian. United States, Illinois

*Exaetocrinus irregularis* Chen and Yao, 1993 = *Holcocrinus irregularis*

*Exaetocrinus lustrum* (Strimple, 1951). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 86.

*Erisocrinus lustrum* Strimple, 1951b, p. 373, Pl. 56, figs. 8-10. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 124. Webster, 1977, p. 86. Pabian and Rushlau, 2002, p. 23.

Pennsylvanian, Missourian, Raytown Limestone. United States, Kansas

*Exaetocrinus* sp. cf. *E. lustrum* (Strimple, 1951). Pabian and Strimple, 1974a, p. 257, Pl. 32, figs. 11-12. Webster, 1986, p. 148.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone. United States, Nebraska

*Exaetocrinus maderaensis* Strimple, 1975l, p. 129, Pl. 1, figs. 3-5. Webster, 1986, p. 148.

*Erisocrinus typus* Tischler, 1963 (*non* Meek and Worthen, 1865), p. 1066, Fig. 6, nos. A, B. Webster, 1973, p. 125. Strimple, 1975l, p. 126. Webster, 1986, p. 148.

Pennsylvanian, Desmoinesian, Madera Formation. United States, Colorado

*Exaetocrinus?* sp. indet. Hashimoto, 1984, p. 16, Pl. 5, figs. 1a-1c; Fig. 5, nos. 8a-8b. Webster, 1993, p. 61.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

**EXOCHOCRINUS** Burdick and Strimple, 1969. \**Eupachyrcrinus tumulosus* Miller, 1892.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Burdick and Strimple, 1969, p. 12. Burdick and Strimple, 1971a, p. 31. Webster, 1977, p. 86. Moore and Strimple *in* Moore and Teichert, 1978, p. T745. Strimple, 1981c, p. 46. Burdick and Strimple, 1983a, p. 124. Webster, 1986, p. 149. Etensohn, 1984, p. 66, Fig. 1. Webster, 1988, p. 86. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 61.

Named, currently recognized species based on cups or crowns: 2 Mississippian species, 1 Viséan, 1 Serpukhovian

Mississippian, Serpukhovian (Chesterian). United States

Mississippian, Viséan. Ireland, United Kingdom

\**Exochocrinus tumulosus* (Miller, 1892). Burdick and Strimple, 1969, p. 12, Pl. 1, figs. 7-8; Fig. 2, no. A. Webster, 1977, p. 86. Moore and Strimple *in* Moore and Teichert, 1978, p. T746, Fig. 493, no. 5. Strimple, 1981c, p. 46, Fig. 1. Burdick and Strimple, 1983a, p. 125, Pl. 9, figs. 2, 4-5, 8, 10-12, 15; Fig. 13, no. A. Webster, 1986, p. 149. Webster, 1988, p. 86.

*Eupachyrcrinus tumulosus* Miller, S. A., 1892a, p. 678, Fig. 1230. Miller, S. A., 1892b, p. 680, Pl. 9, figs. 9-10. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 472. Burdick and Strimple, 1969, p. 12. Webster, 1977, p. 86.

*Ageneracrinus tumulosus* (Miller, 1892). Sutton and Winkler, 1940, p. 563, Pl. 67, figs. 18-19. Bassler and Moodey, 1943, p. 473. Burdick and Strimple, 1969, p. 13. Webster, 1977, p. 86.

*Ageneracrinus tumidorugosus* Sutton and Winkler, 1940. Burdick and Strimple, 1969, p. 13. Webster, 1977, p. 86.

Mississippian, Serpukhovian (Chesterian), Hindsville Limestone; Monteagle Limestone; Glen Dean Limestone. United States, Kentucky, Illinois, Oklahoma, Alabama

*Exochocrinus* cf. *tumulosus* (Miller, 1892). Strimple, 1981c, p. 44.

*Mooreocrinus bowsheri* Strimple, 1949a, p. 130, Pl. 1, figs. 1-3. Strimple, 1961g, p. 68. Webster, 1973, p. 89.

*Cryphiocrinus bowsheri* (Strimple, 1949). Strimple, 1961g, p. 68. Strimple, 1962g, p. 184, Figs. 1-7. Webster, 1973, p. 89. Moore and Strimple *in* Moore and Teichert, 1978, p. T693, Fig. 456, nos. 3e-3g. Strimple, 1981c, p. 44. Burdick and Strimple, 1983a, p. 73, Pl. 12, figs. 13, 22. Webster, 1986, p. 108. Webster, 1988, p. 86.

Mississippian, Serpukhovian (Chesterian), Pride Mountain Formation; Mayes Formation; Hindsville Limestone. United States, Alabama, Oklahoma

*Exochocrinus vapidus* (Wright, 1951). Burdick and Strimple, 1969, p. 12. Webster, 1977, p. 86.

*Eupachyocrinus vapidus* Wright, J., 1951b, p. 92, Pl. 30, figs. 7, 13; Fig. 41. Burdick and Strimple, 1969, p. 5. Webster, 1973, p. 128. Webster, 1977, p. 86. Mississippian, Viséan. Ireland, United Kingdom

**EXOCRINUS** Strimple, 1949. \**E. multirami* Strimple, 1949.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinotoidea, F. Exocrinidae

Strimple, 1949c, p. 9. Strimple and Moore, 1971a, p. 34. Strimple and Moore, 1971b, p. 13. Webster, 1973, p. 130. Webster, 1977, p. 86. Moore, Lane, and Strimple *in*

Moore and Teichert, 1978, p. T750. Pabian and Strimple, 1980a, p. 183. Webster, 1986, p. 149. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 5. Pabian and Strimple, 1993, p. 34. Pabian and Rushlau, 2002, p. 38. Webster and Maples, 2006, p. 192, Fig. 2, no. H. Thomka *et al.*, 2012, p. 475, Fig. 9.

Named, currently recognized species based on cups or crowns: 6 species. 5 Pennsylvanian, 1 Desmoinesian, 2 Missourian, 1 Missourian – Virgilian, 1 Virgilian; 1 Permian, Wolfcampian  
Pennsylvanian - Permian, Desmoinesian - middle Wolfcampian. United States

*Exocrinus desmoinesensis* Strimple, 1949c, p. 12, Pl. 2, figs. 3-4, 8. Webster, 1973, p. 131. Pabian and Rushlau, 2002, p. 38 (misspelled as *E. desmoinesesis*). Pennsylvanian, Desmoinesian, Altamont Limestone. United States, Oklahoma

*Exocrinus moorei* (Lane and Webster, 1966). Webster and Lane, 1967, p. 19, Pl. 3, figs. 5, 11. Webster, 1973, p. 131.

*Marathonocrinus moorei* Lane and Webster, 1966, p. 34, Pl. 7, figs. 1-2, 5; Fig. 10. Webster and Lane, 1967, p. 19. Webster, 1973, p. 131.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

\**Exocrinus multirami* Strimple, 1949c, p. 10, Pls. 2, figs. 5-7; 3, figs. 4-5. Webster, 1973, p. 131. Pabian and Strimple, 1980a, p. 184, Figs. 8, no. R; 9, no. G. Webster, 1986, p. 149. Pabian and Strimple, 1993, p. 34, Figs. 14, no. g; 19, no. g. Pabian and Rushlau, 2002, p. 38, Fig. 11, nos. 7-8.

Pennsylvanian, Missourian, ?Virgilian, Ochelata Group; Kansas City Group, Wyandotte Formation, Argentine Limestone Member; South Bend Limestone. United States, Oklahoma, Kansas, Nebraska, Iowa

*Exocrinus* sp. cf. *E. multirami* Strimple, 1949. Strimple and Moore, 1971b, p. 13, Figs. 4, no. 3; 9, no. 2. Webster, 1977, p. 86.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Exocrinus pallium* Strimple, 1949c, p. 14, Pl. 3, figs. 6-8. Webster, 1973, p. 131. Pabian and Rushlau, 2002, p. 38.

Pennsylvanian, Missourian, Ochelata Group. United States, Oklahoma

*Exocrinus virgilensis* Strimple, 1949c, p. 13, Pl. 3, figs. 9-10. Webster, 1973, p. 131. Pabian and Rushlau, 2002, p. 38.

Pennsylvanian, Virgilian, Negaloney Formation. United States, Oklahoma

*Exocrinus wannii* Strimple, 1949c, p. 12, Pls. 2, figs. 1-2; 3, figs. 1-3. Strimple and Moore, 1971a, p. 34, Pls. 6, figs. 4, 6; 8, fig. 2; Figs. 2, no. A; 10, nos. 1a-1b; 11, nos. 1a-1b. Webster, 1973, p. 131. Webster, 1977, p. 86. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T51, Fig. 498, no. 1. Webster, 1986, p. 149. Ausich *in* Hess et al., 1999 p. 155, Fig. 165. Pabian and Rushlau, 2002, p. 38.

Pennsylvanian, Missourian, Wann Formation; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois

*Exocrinus* spp.

White, W. D., 1964, Fig. 21. Webster, 1977, p. 87.

Pennsylvanian. United States, Nebraska, Iowa

Cornwell and Cornwell, 1968, Pl. 1, fig. 9. Webster, 1977, p. 87.

Pennsylvanian. United States, Iowa

Holterhoff, 1996, p. 184, Fig. 3, no. E. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent

**EXORIOCRINUS** Strimple and Moore, 1971. \**Poteriocrinus lasallensis* Worthen, 1875.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F.

Pelecocrinidae

Strimple and Moore, 1971a, p. 15. Strimple and Moore, 1971b, p. 17. Webster, 1977, p. 87. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661. Webster, 1986, p. 149.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian species: 1 Desmoinesian, 1 Missourian, 2 Missourian - Virgilian

Pennsylvanian, Desmoinesian - Virgilian. United States

\**Exoriocrinus lasallensis* (Worthen, 1875). Strimple and Moore, 1971a, p. 16, Pls. 8, fig. 6; 9, fig. 2; Fig. 7. Strimple, 1975c, p. 25. Webster, 1977, p. 87. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661, Fig. 432, no. 5. Webster, 1986, p. 149.

*Poteriocrinus lasallensis* Worthen, 1875, p. 526, Pl. 32, fig. 7. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 641. Strimple and Moore, 1971a, p. 15. Webster, 1973, p. 154. Webster, 1977, p. 87.

*Poteriocrinites lasallensis* (Worthen, 1875). Bassler and Moodey, 1943, p. 641.

*Hypselocrinus? lasallensis* (Worthen, 1875). Moore and Laudon, 1944, p. 169, Pl. 57, fig. 17. Webster, 1973, p. 154.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Exoriocrinus pentacolumnus* (Strimple, 1940). Strimple, 1975c, p. 25. Webster, 1986, p. 149.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Exoriocrinus ramonaensis* (Strimple, 1939). Strimple, 1975c, p. 23, Fig. 1. Webster, 1986, p. 149.

Pennsylvanian, latest Missourian - earliest Virgilian, Barnsdall Formation. United States, Oklahoma

*Exoriocrinus rugosus* Strimple and Moore, 1971b, p. 17, Figs. 8, nos. 1, 4; 10, nos. 2, 4. Strimple, 1975c, p. 25. Webster, 1977, p. 87. Webster, 1986, p. 149.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Exoriocrinus?* sp. A Pabian and Strimple, 1993, p. 35, Fig. 18, nos. c, f-g, n.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Nebraska, Kansas

*Exoriocrinus?* sp. B Pabian and Strimple, 1993, p. 35, Figs. 18, nos. d-e, m; 19, nos. a-c.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

*Exoriocrinus* spp.

Strimple, 1975c, p. 25. Webster, 1986, p. 150.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

Pabian and Strimple, 1980b, p. 15, Pl. 4, fig. 12. Webster, 1986, p. 150.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member. United States, Iowa

**EXOTIKOCRINUS** Webster, 2012. \**Exotikocrinus dochmos* Webster, 2012.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Webster, 2012, p. 66.

Named, currently recognized species based on cups or crowns: 1 Permian species, Series uncertain

Permian, series uncertain. West Timor

\**Exotikocrinus dochmos* Webster, 2012, p. 67, Fig. 1.

Permian, series uncertain. West Timor

**EXSULACRINUS** Bowsher and Strimple, 1986 = **PLATYCRINITES** s.s.

*Exsulacrinus alleni* Bowsher and Strimple, 1986 = *Platycrinites* s.s. *alleni*

**EXTEROCRINUS** Knapp, 1969. \**Perimestocrinus pumilis* Moore and Plummer, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 380, Fig. 1. Webster, 1977, p. 87. Moore and Strimple *in* Moore and Teichert, 1978, p. T726. Webster, 1986, p. 150.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Morrowan species

Pennsylvanian, Morrowan. United States, Oklahoma

\**Exterocrinus pumilis* (Moore and Laudon), 1938. Knapp, 1969, p. 380, Fig. 46.

Webster, 1977, p. 87. Moore and Strimple *in* Moore and Teichert, 1978, p. T726,

Fig. 480, no. 3. Webster, 1986, p. 150.

*Perimestocrinus pumilis* Moore and Plummer, 1938, p. 281, Pl. 14, figs. 10a-10c;

Fig. 29. Bassler and Moodey, 1943, p. 603. Moore and Laudon, 1944, p. 161,

Pl. 64, fig. 4. Knapp, 1969, p. 380. Webster, 1973, p. 202. Webster, 1977, p. 87.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma

FACETAL Moore, 1938, p. 234. *Nomen vetitum*

Named, currently recognized species based on cups or crowns: 4 Penn, 3 Perm

*Facetal canalis* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 23

(radial). Devonshire, 1954, Pl. 2, fig. 22. Devonshire, 1955, Pl. 2, fig. 22.

Webster, 1973, p. 273. Webster, 1977, p. 87.

Pennsylvanian, Desmoinesian, Mineral Coal Cap; Pumpkin Creek Limestone.

United

States, Kansas, Oklahoma

*Facetal circularia* Byrne and Seeberger, 1942, p. 223, Pl. 1, fig. 11 (radial). Webster, 1973, p. 273.

Permian, Wolfcampian, Grant Shale. United States, Kansas

*Facetal corrugatus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 16

(radial). Webster, 1973, p. 273.

Pennsylvanian, Missourian, Coffeyville Formation. United States, Kansas

*Facetal lineatus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 18

(radial). Webster, 1973, p. 273.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Facetal triangulata* Byrne and Seeberger, 1942, p. 224, Pl. 1, figs. 7-9 (radial).

Webster, 1973, p. 274.

Permian, Wolfcampian, Hughes Creek Shale to Grant Shale. United States, Kansas

*Facetal tuberculata* Byrne and Seeberger, 1942, p. 224, Pl. 1, fig. 10 (radial). Webster, 1973, p. 274.

Permian, Wolfcampian, Hughes Creek Shale. United States, Kansas

*Facetal tuberculatus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig. 15.



- (radial). Webster, 1973, p. 274.  
Pennsylvanian, Desmoinesian, Mineral Coal Cap. United States, Kansas
- Facetals Moore, 1939b, p. 170, Fig. 2, nos. 19-27 (radials).  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States
- Facetals no. 1 Moore, 1939 = cf. *Bolbocrinus* spec. nov. 1
- Facetals no. 2 Moore, 1939 = cf. *Bolbocrinus* spec. nov. 2
- Facetals no. 3 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 1.
- Facetals no. 4 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 2.
- Facetals no. 5 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 6.
- Facetals no. 6 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 1.
- Facetals no. 7 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 10.
- Facetals no. 8 Moore, 1939 = Poteriocrinidae gen. ind. (cf. *Synphocrinus*) et spec. nov. 6.
- Facetals no. 9 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 3.
- Facetals no. 10 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 10.
- Facetals no. 11 Moore, 1939 = Poteriocrinidae gen. ind. et spec. nov. 18.
- Family and genus indet. Webster and Jell, 1992, p. 354, Fig. 18, no. B (set of arms).  
Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia,  
Western Australia, Carnarvon Basin
- Family and genus indeterminate Webster, 1990 = Family et gen. indet. Teichert and  
Webster
- Family and Genus uncertain Webster and Jell, 1993, p. 354.  
Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Yao Noi Island
- Family and genus indet. Lane, Maples, and Waters, 2001a, p. 1074, Pl. 6, fig. 7.  
*Scaphiocrinus? inordinatus* Whidborne, 1899, p. 230, Pls. 34-36. Bassler and  
Moodey, 1943, p. 671. Lane, Maples, and Waters, 2001a, p. 1074.  
*Pachylocrinus inordinatus* (Whidborne); Schimdt, 1930. Lane, Maples, and Waters,  
2001a, p. 1074.  
Devonian, Famennian, Pilton Beds. United Kingdom, North Devon
- Family et gen. indet. Teichert and Webster, 1993, p. 24.

Family and genus indeterminate Webster, 1990, p. 70, Pl. 2, fig. 14. Teichert and Webster, 1993, p. 24. Webster, 1993, p. 61.  
Permian, late Artinskian, Wandagee Formation. Australia, Western Australia

Family, genus, and species indeterminate Webster and Houck, 1998, p. 1067, Fig. 4.33.  
Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado

Family, genus, and species indeterminate Species A Lane, Waters, and Maples, 1997, p. 40, Fig. 16.9.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region

Family, genus, and species indeterminate Species B Lane, Waters, and Maples, 1997, p. 40, Fig. 11.1-11.2, 16.10.  
Devonian, Famennian, Hongguleleng Formation, lower member, red limestones. China, Xinjiang-Uygur Autonomous Region

Family, genus, and species indeterminate Species C Lane, Waters, and Maples, 1997, p. 40, Fig. 14.1, 16.11.  
Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region

Family, genus, and species indeterminate Species D Lane, Waters, and Maples, 1997, p. 41, Fig. 6.9, 16.12.  
Devonian, Famennian, Hongguleleng Formation, lower member, red limestones. China, Xinjiang-Uygur Autonomous Region

Family, Genus and species unknown  
Lane, N. G., 1969a, p. 151, Figs. 81-83. Webster, 1977, p. 180.  
Middle Pennsylvanian, Francis Creek Shale. United States, Illinois  
Lane, N. G., 1979, p. 131, Pl. 1, fig. 20. Webster, 1986, p. 323.  
Late Permian, Guadalupian. Tunisia, Djebel Tebaga

Family, Genus, and species unknown, Species C Webster and Lane, 1970, p. 295, Pl. 57, fig. 27 (poteriocrinid crown). Webster, 1977, p. 180.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

Family, Genus, and species unknown, Species D Webster and Lane, 1967, p. 31, Pl. 2, figs. 3-4 (radial), fig. 8 (brachial). Webster, 1973, p. 274.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Family, Genus, and species unknown, species D Webster and Lane, 1970, p. 295, Pl. 57, fig. 18 (partial cup, poteriocrinid). Webster, 1977, p. 180.  
Pennsylvanian, Morrowan, Bird Spring Formation. United States, Nevada

- Family, Genus, Species Uncertain Lane, Maples, and Waters, 2001b, p. 240, Fig. 2, no. C. (Periechocrinoidea)  
*Actinocrinus* cf. *asperrimus* Meek and Worthen, Schmidt, 1930. Lane, Maples, and Waters, 2001b, p. 240.  
 Devonian, Famennian Etröungt. Germany
- Family, Genus, Species, Unknown Lane, Maples, and Waters, 2001b, p. 247.  
 (Sagenocrinida)  
*Forbesiocrinus?* sp. indet. Schmidt, 1930. Lane, Maples, and Waters, 2001b, p. 247.  
 Devonian, Famennian, Etröungt. Germany
- Family Pelecocrinidae genus and species, indeterminate Lane et al., 1996 =  
*Brabeocrinus asiaensis*
- Family Poteriocrinidae Yakovlev, 1949a, p. 265, Fig. 1, no. v (radial). Yakovlev, 1956a, p. 85, Fig. 35, no. 3. Yakovlev, 1964a, p. 79, Fig. 37, no. 3. Webster, 1973, p. 274.  
 No age given, probably Permian. Russia
- Family (?)Taxocrinidae Haude, 2004b, p. 242, unfig.  
 Devonian, late Famennian, Etröungt, Middle *expansa* Biozone. Germany
- FIANNACRINUS** Ausich and Sevastopulo, 2001. \**Poteriocrinus quinquangularis* Austin and Austin, 1843.  
 Sbc.Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae  
 Ausich and Sevastopulo, 2001, p. 85.  
**Note.** I consider *Fiannacrinus* to be a junior synonymy of *Atelestocrinus*, GDW, 2004. Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species  
 Mississippian, late Tournaisian. Ireland
- \**Fiannacrinus quinquangularis* (Austin and Austin, 1843). Ausich and Sevastopulo, 2001, p. 86, Pl. 9, figs. 4-9, 14; Fig. 11, nos. E-H.  
*Poteriocrinites quinquangularis* Austin and Austin, 1842, p. 108. Austin and Austin, 1843, p. 196. Austin and Austin, 1846, p. 80, Pl. 10, figs. 2a-2e. Bassler and Moodey, 1943, p. 644. Wright, J., 1950, p. 11, Pl. 5, figs. 7-8, 10. Webster, 1973, p. 222. Ausich and Sevastopulo, 2001, p. 86.  
*Poteriocrinus quinquangularis* Austin, 1842. Ausich and Sevastopulo, 2001, p. 86.  
*Parisocrinus quinquangularis* (Austin, 1843). Ausich and Sevastopulo, 2001, p. 86.  
*Poteriocrinus (Parisocrinus?) quinquangularis* Austin, 1842. Ausich and Sevastopulo, 2001, p. 86.  
 Mississippian, late Tournaisian, Hook Head Formation, base of *Linoproductus* Beds. Ireland
- FIBROCRINUS** Ausich and Copper, 2010. \**Fibrocrinus phragmos* Ausich and Copper, 2010.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F. Xenocrinidae

Ausich and Copper, 2010, p. 27.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

\**Fibrocrinus phragmos* Ausich and Copper, 2010, p. 28, Pl. 5, figs. 7-12; Fig. 8.2  
Silurian, Llandoveryian, Jupiter Formation, East Point Member. Canada, Quebec, Anticosti Island

**FIFEOCRINUS** Wright, 1951. \**Pachylocrinus tielensis* Wright, 1936.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Wright, J., 1951a, p. 41. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 131.

Moore and Strimple *in* Moore and Teichert, 1978, p. T651. Burdick and Strimple, 1983a, p. 135. Webster, 1986, p. 150. Webster, 1988, p. 86. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 61.

Named, currently recognized species based on cups or crowns: 1 Mississippian Viséan species

Mississippian, Viséan. United Kingdom, Scotland

*Fifeocrinus popensis* (Worthen, 1882) = *Aphelecrinus popensis*

*Fifeocrinus* cf. *F. propinquus* (Worthen, 1882). Burdick and Strimple, 1983a, p. 138, Pl. 9, fig. 1. Webster, 1988, p. 87.

cf. *Poteriocrinus propinquus* Worthen, 1882. Burdick and Strimple, 1983a, p. 138. Webster, 1988, p. 87.

cf. *Scaphiocrinus propinquus* (Worthen, 1882). Burdick and Strimple, 1983a, p. 138. Webster, 1988, p. 87.

cf. *Pachylocrinus propinquus* (Worthen, 1882). Burdick and Strimple, 1983a, p. 138. Webster, 1988, p. 87.

Mississippian, Viséan (Chesterian), Pride Mountain Formation. United States, Alabama

\**Fifeocrinus tielensis* (Wright, 1936). Wright, J., 1951a, p. 42, Pls. 11, figs. 2-4, 6, 8; 32, figs. 7, 11; Figs. 1, 11-12 (*non* Pl. 18, typographical error). Webster, 1973, p. 131. Moore and Strimple *in* Moore and Teichert, 1978, p. T651, Fig. 425, no. 1. Webster, 1986, p. 150.

*Pachylocrinus tielensis* Wright, J., 1936, p. 399, Pl. 9, fig. 4; Figs. 22-2. Wright, J., 1939, p. 19, Pl. 7, figs. 2-4; Fig. 11. Bassler and Moodey, 1943, p. 584. Wright, J., 1951a, p. 42. Webster, 1973, p. 131.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Fifeocrinus* cf. *F. tielensis* (Wright, 1936) = \**Ampullacrinus marieae*

*Fifeocrinus* cf. *F. tielensis* (Wright, 1936). Burdick and Strimple, 1983a, p. 137, Pl. 9, fig. 9. Webster, 1988, p. 87.

- Mississippian, Viséan (Chesterian<sup>3</sup>, Bangor Limestone. United States, Alabama  
 Cf. *Fifeocrinus tielensis* (Wright, 1936 = *\*Ampullacrinus marieae*
- First published plate of Burlington crinoids Gahn, 2009, p. 30, Fig. 4. (reproduction of Owen and Shumard, 1850)  
 Mississippi, Viséan, Burlington Limestone. United States, Iowa.
- "Flat-topped ridged plates" Sprinkle, 1971, p. D94, Fig. 1, nos. 61-64 (possibly tegmen plates). Webster, 1977, p. 180.  
 Middle Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada
- Flexible crinoid de Witry, 1780, Fig. 3.  
 Mississippian, Tournaisian. Belgium
- Flexibilia gen. et sp. indet. Haude and Thomas, 1992, p. 341, Pl. 3, figs. I-K (disarticulated thecal plates).  
 Mississippian, Viséan, *Pericyclus* Biozone, Cull. Germany
- Flexible radial indeterminate 1 Webster et al., 2011, p. 48, Fig. 14, nos. g-h.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Flexible radial indeterminate 2 Webster et al., 2011, p. 48, Fig. 14, nos. i-j.  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Flexibilia, probably *Pycnosaccus* Springer, 1919b, p. 81.  
 Silurian, Brassfield Formation. United States, Ohio
- Flexible basal circlet indeterminate Webster et al., 2003, p. 31.  
 Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Flexible brachial Sevastopulo and Keegan, 1980, p. 754, Pl. 85, figs. 2, 4. Webster, 1986, p. 323.  
 Mississippian, Viséan (Brigantian), Charlestown Main Limestone. Ireland; United Kingdom, Scotland
- Flexible crinoid Howell, 1995, p. 99, Pl. 3, fig. 4.  
 No age or locality given
- Flexible crinoid species A Eckert and Brett, 2001, p. 63, Pl. 8, figs. 11, 15.  
 Silurian, middle Llandoveryan, Wolcott Limestone. United States, New York
- Flexible crinoids Baumiller et al., 2008, p. 14, Fig. 1.8.  
 Silurian. Gotland
- Flexible crinoids attached to an orthocone nautiloid Prokop and Turek, 1983, p. 181, Pls. 1-3; Figs. 1-2. Webster, 1988, p. 87.  
 Silurian, late Wenlockian. Czech Republic

- Flexible gen. et sp. indet. Donovan et al., 2010, p. 133, Fig. 32, nos. A-C.  
Silurian, ?Wenlock. Wales, Dyfed
- Flexible indeterminate Webster et al., 2004, p. 61, Pl. 16, figs. 5-6.  
Pennsylvanian, Moscovian, Ouel Bel Groun Formation. Algeria
- Flexibilia infrabasal circlet Rozhnov, 2002, p. 611, Fig. 59, no. d. (diagramatic)
- Flexible radial indet. #1 Webster, 1987, p. 132, Fig. 16, no. K. Webster, 1993, p. 61.
- Flexible radial indeterminate 1 Webster et al., 2011, p. 48, Fig. 14, nos. g-h.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Flexible radial indeterminate 2 Webster et al., 2011, p. 48, Fig. 14, nos. i-j.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia
- Float-bearing crinoid Prokop and Petr, 2001b, p. 260, Figs. 1b, 1c. (diagramatic)  
Late Silurian - Early Devonian.
- FOLLICRINUS** Schmidt, 1934. \**Taxocrinus grebei* Follmann, 1887.  
Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
Schmidt, W. E., 1934, p. 74. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p.  
478. Moore and Laudon, 1943b, p. 52. Ubaghs, 1953, p. 751. Arendt and  
Hecker, 1964, p. 86. Webster, 1973, p. 131. Moore and Lane *in* Moore and  
Teichert, 1978, p. T623. Webster, 1986, p. 150. Franke, C., 2012, p. 21,  
Named, currently recognized species based on cups or crowns: 4 Devonian species,  
3 Emsian, 1 Eifelian  
Devonian, early Emsian. Germany  
Devonian, early Eifelian, Chotec Formation. Czech Republic, Barrandian area
- Follicrinus astacus* Prokop, 2012, p. 1, Fig. 1-2.  
Devonian, early Eifelian, Chotec Formation. Czech Republic, Barrandian area
- \**Follicrinus grebei* (Follmann, 1887). Schmidt, W. E., 1934, p. 75, Pls. 5, fig. 2; 31, fig.  
1; Fig. 15. Bassler and Moodey, 1943, p. 478. Moore and Lane *in* Moore and  
Teichert, 1978, p. T623, Fig. 406, no. 6 (typographical error, cited as *F. arebei*).  
Webster, 1986, p. 150. Bartels and Brassel, 1990, p. 171, Fig. 156. Bartels,  
Briggs, and Brassel, 1998, p. 188, Fig. 164.  
?*Taxocrinus grebei* Follmann, 1887, p. 118, Pl. 1, figs. 4-4a. Bassler, 1938, p. 100.  
Bassler and Moodey, 1943, p. 478.  
*Cyathocrinus grebei* (Follmann, 1887). Jaekel, 1895a, p. 62, Pl. 5, fig. 1. Opitz,  
1932, p. 111, Fig. 107. Bassler and Moodey, 1943, p. 478.  
*Cyathocrinus goldbecki* Jaekel, 1895a, p. 62. Opitz, 1932, p. 111. Bassler and  
Moodey, 1943, p. 478.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Follicrinus kayseri* (Jaekel, 1895). Schmidt, W. E., 1934, p. 75. Bassler and Moodey, 1943, p. 478. Südkamp, 1995a, p. 124, unnumbered fig. p. 124.

*Homocrinus kayseri* Jaekel, 1895a, p. 78, Pl. 5, figs. 2-4. Bassler and Moodey, 1943, p. 478.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Follicrinus parvestellatus* Schmidt, W. E., 1942, p. 112, Pl. 19, fig. 1. Webster, 1973, p. 131. Franke, C., 2012, p. 21, Pl. 6, figs. 1a-d; Fig. 4.

Devonian, Emsian, Hohenrhen Beds. Germany, Rhenischen Schiefergebirge

*Follicrinus* sp. indet. Schmidt, W. E., 1942, p. 112, Pl. 21, fig. 5. Webster, 1973, p. 131.

Devonian, Coblenzian. Germany

**FORBESIOCRINUS** Trautschold, 1867 = **SYNEROCRINUS**

**FORBESIOCRINUS** de Koninck and Le Hon, 1854. \**F. nobilis* de Koninck and Le Hon, 1854.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Sagenocrinitidae

De Koninck and Le Hon, 1854, p. 118. Pictet, 1857, p. 326, Pl. 101, fig. 9. Dujardin and Hupé, 1862, p. 146. Shumard, 1868, p. 371. Zittel, 1880, p. 343, 353. Wachsmuth and Springer, 1880 (1879), p. 51 (274). Quenstedt, 1885, p. 946. Miller, S. A., 1889, p. 246. Lahusen, 1895, p. 147. Koken, 1896, p. 283. Wachsmuth *in* Zittel, 1900, p. 164. Springer, 1902, p. 90. Springer, 1906, p. 518. Grabau and Shimer, 1910, p. 566. Springer *in* Zittel, 1913, p. 204. Springer, 1920a, p. 205. Bassler, 1938, p. 99. Bassler and Moodey, 1943, p. 478. Moore and Laudon, 1943b, p. 73, Figs. 10-11. Moore and Laudon, 1944, p. 179, Pls.

66,

fig. 14; 67, fig. 8. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 755. Philip, 1963,

p. 264, Fig. 1, no. c. Webster, 1973, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T100, Fig. 74, no. 2. Moore *in* Moore and Teichert, 1978, p. T798, Figs. 506, no. 17; 508, no. 3a. Webster, 1986, p. 150. Webster, 1988, p. 87. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 62. Lane, Waters, and Maples, 1997, p. 25.

**FORBSIOCRINUS** Meek and Worthen, 1860, p. 387. Bassler, 1938, p. 100.

Bassler and Moodey, 1943, p. 478. Moore *in* Moore and Teichert, 1978, p. T798.

**FORBESOCRINUS** Scudder, 1882, p. 139. Bassler, 1938, p. 100. Bassler and Moodey, 1943, p. 478. Moore *in* Moore and Teichert, 1978, p. T798.

**PROGUETTARDICRINUS** Steinmann, 1908, p. 153. \**Forbesiocrinus greenei* Miller and Gurley, 1896. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 478. Moore *in* Moore and Teichert, 1978, p. T798.

Named, currently recognized species based on cups or crowns: 13 species, 1 Devonian, Famennian; 11 Mississippian, 3 Tournaisian, 8 Viséan, 1 Permian, Wordian

Mississippian, Tournaisian. Europe  
 Mississippian, Kinderhookian - Meramecian. North America  
 Devonian, Famennian. China, Xinjiang-Uygur Autonomous Region  
 Permian, Wordian. Sicily

*Forbesiocrinus agassizi* Hall, 1858c, p. 631, Unnum. Fig. Shumard, 1868, p. 371.  
 Hall, 1872, Pl. 7, figs. 1-2. Miller, S. A., 1889, p. 246. Keyes, 1894a, p. 224, Pl.  
 30, fig. 3. Weller, S., 1898c, p. 278. Grabau and Shimer, 1910, p. 567.  
 Springer, 1920a, p. 245, Pls. 21, fig. 2; 25, figs. 1-5; 26, figs. 1-2. Bassler and  
 Moodey, 1943, p. 479. Van Sant *in* Van Sant and Lane, 1964, p. 43, Fig. 10,  
 no. 13. Webster, 1973, p. 131.

*Forbesiocrinus agassizi* var. *giganteus* Meek and Worthen, 1861, p. 131.  
 Shumard, 1868, p. 371. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 278.  
 Bassler and Moodey, 1943, p. 479.

*Taxocrinus (Forbesiocrinus) agassizi* var. *giganteus* (Meek and Worthen, 1861).  
 Meek and Worthen, 1868c, p. 495, Pl. 18, fig. 3. Bassler and Moodey, 1943, p.  
 479.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Forbesiocrinus agassizi* var. *giganteus* Meek and Worthen, 1861 = *Forbesiocrinus*  
*agassizi*

*Forbesiocrinus asteriaeformis* Hall, 1861 = *Oligocrinus asteriaeformis* = *Onychocrinus*  
*asteriaeformis*

*Forbesiocrinus burlingtonensis* Springer, 1920a, p. 245, Pl. 26, figs. 3-5. Bassler and  
 Moodey, 1943, p. 479. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 20.  
 Webster, 1973, p. 131.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Forbesiocrinus cestriensis* Hall, 1859 = *Taxocrinus cestriensis* = *T. whitfieldi*

*Forbesiocrinus communis* Hall, 1863b, p. 6. Hall, 1864a, p. 55. Hall and Whitfield,  
 1875c, p. 169, Pl. 12, figs. 4-5 only. Weller, S., 1898c, p. 625. Springer, 1920a,  
 p.  
 245, Pl. 20, figs. 4-8. Bassler and Moodey, 1943, p. 479. Moore and Laudon,  
 1944, p. 179, Pl. 68, fig. 19. Webster, 1973, p. 131.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Forbesiocrinus communis* Hall, 1863 (part) = *Taxocrinus communis*

*Forbesiocrinus divaricatus* Angelin, 1878 (part) = *Cholocrinus obesus*

*Forbesiocrinus divaricatus* Angelin, 1878 (part) = *Lithocrinus divaricatus*

*Forbesiocrinus elegantulus* Miller, 1891 = *Taxocrinus giddingsi*



*Forbesiocrinus exculptus* (Lyon and Casseday, 1859) = *Onychocrinus exculptus*

*Forbesiocrinus giddingsi* Hall, 1858 = *Taxocrinus giddingsi*

*Forbesiocrinus greenei* Miller and Gurley, 1896b, p. 57, Pl. 4, figs. 1-2. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 278. Springer, 1920a, p. 258, Pl. 30, figs. 1-2. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 479.

*Proguettardicrinus? greenei* Steinmann, 1908, p. 153, Fig. 79, no. A. Bassler and Moodey, 1943, p. 479.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana

*Forbesiocrinus incurvus* Trautschold, 1867 = *Synerocrinus incurvus*

*Forbesiocrinus inexpectans* Lane, Waters, and Maples, 1997, p. 25, Figs. 7.4-7.5, 8.7-8.8.

*Eutaxocrinus* sp. Hou *et al.*, 1994. Lane, Waters, and Maples, 1997, p. 25.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region

*Forbesiocrinus jerseyensis* Miller and Gurley, 1896 = *Forbesiocrinus wortheni*

*Forbesiocrinus juvenis* Hall, 1861 = *Taxocrinus juvenis*

*Forbesiocrinus kelloggi* Hall, 1863 = *Taxocrinus kelloggi*

*Forbesiocrinus lobatus* Hall, 1862 = *Taxocrinus lobatus*

*Forbesiocrinus lobatus* var. *tardus* Hall, 1863 = *Forbesiocrinus tardus* = *Dactylocrinus tardus*

*Forbesiocrinus macadamsi* Miller and Gurley, 1896 = *Forbesiocrinus wortheni*

*Forbesiocrinus meeki* Hall, 1858 = *Parichthyocrinus meeki*

*Forbesiocrinus meeki* Quenstedt, 1885 (*non* Hall, 1858) = *Taxocrinus colletti*

*Forbesiocrinus milleri* Angelin, 1878 = *Lithocrinus milleri*

*Forbesiocrinus monroensis* Meek and Worthen, 1861 = *Onychocrinus monroensis* = *O. exculptus*

*Forbesiocrinus multibrachiatus* Lyon and Casseday, 1859 = *Forbesiocrinus wortheni*

*Forbesiocrinus multibrachiatus?* Lyon and Casseday, 1859. Feldman, 1989b, p. 909, Fig. 4, no. 7. Webster, 1993, p. 62,

Mississippian, Viséan (Meramecian), Salem Limestone, Somerset Shale Member. United States, Kentucky, Indiana

- \**Forbesiocrinus nobilis* de Koninck and Le Hon, 1854, p. 121, Pl. 2, figs. 2a-2b.  
 Dujardin and Hupé, 1862, p.146. Wachsmuth and Springer, 1885, Pl. 5, figs. 3-5. Wachsmuth and Springer, 1897, p. 77, Pl. 8, figs. 6a-6c. Springer, 1902, p. 90.  
 Springer, 1920a, p. 239, Pls. 21, fig. 1; 22, figs. 1-4; 23, figs. 1-8, 10; 24, figs. 1-27; Figs. 29-31. Maillieux, 1933, p. 92, Fig. 124. Bassler, 1938, p. 100. Bassler and Moodey, 1943, p. 480. Ubaghs, 1953, p. 755, Figs. 63-69. Van Sant *in* Van Sant and Lane, 1964, p. 41, Figs. 10, nos.1-12; 12, nos. 1-4. Webster, 1973, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T131, T170, Figs. 102, nos. 1-3; 141, nos. 1-3. Moore *in* Moore and Teichert, 1978, p. T798, Figs. 535, no. 1; 536, no. 3; 537, nos. 1-7. Webster, 1986, p. 151.  
 Mississippian, Tournaisian, Mountain Limestone. Belgium; United Kingdom
- Forbesiocrinus? norwoodi* Meek and Worthen, 1860 = *Onychocrinus norwoodi* = *O. exculptus* = *O. ramulosus*
- Forbesiocrinus nuntius* Hall, 1862 = *Synaptocrinus nuntius*
- Forbesiocrinus obesus* Angelin, 1878 (part) = *Cholocrinus obesus*
- Forbesiocrinus parvus* Wetherby, 1879 = *Taxocrinus whitfieldi*
- Forbesiocrinus pratteni* McChesney, 1860 = *Scyphocrinites pratteni*
- Forbesiocrinus pyriformis* Miller and Gurley, 1893, p. 47, Pl. 4, fig. 1. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 279. Springer, 1920a, p. 205, Pl. 29, figs. 6, 7. Bassler and Moodey, 1943, p. 480. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 14. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 13. Ubaghs, 1953, p. 755, Fig. 13. Yakovlev, 1964b, p. 65, Fig. 86. Webster, 1973, p. 132.  
 Mississippian, Viséan (Osagean), Keokuk Limestone, Ft. Payne Chert. United States, Kentucky, Tennessee
- Forbesiocrinus ramulosus* Hall, 1860 = *Taxocrinus ramulosus*
- Forbesiocrinus ramulosus* Lyon and Casseday, 1859 = *Onychocrinus ramulosus*
- Forbesiocrinus robustus* Angelin, 1878 = *Lithocrinus divaricatus*
- Forbesiocrinus saffordi* Hall, 1859a, p. 87. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Springer, 1920a, p. 205, Pls. 21, fig. 3; 30, figs. 3-17; 31, figs. 1-10. Weller, S., 1898c, p. 279. Bassler and Moodey, 1943, p. 480. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 21. Webster, 1973, p. 132. Ubaghs *in* Moore and Teichert, 1978, p. T190, Fig. 161, no. 2. Moore *in* Moore and Teichert, 1978, p. T800, Fig. 537, no. 8. Webster, 1986, p. 151. Ausich and Meyer, 1992, p. 835, Figs. 3.12-3.13.  
 Mississippian, Viséan (Osagean – Meramecian), Ft. Payne Chert; ?Warsaw

- Limestone; Spergen Limestone; ?Salem Limestone. United States, Tennessee, Kentucky, ?Indiana
- Forbesiocrinus semiovatus* Meek and Worthen, 1860 = *Onychocrinus semiovatus*
- Forbesiocrinus shumardianus* Hall, 1858 = *Taxocrinus shumardianus*
- Forbesiocrinus siculus* Gregorio, 1930. Branson, C. C., 1948, p. 194 (not recognizable). Not a *Forbesiocrinus*, GDW, 2011.  
*Forbesiocrinus? siculus* Gregorio, 1930, p. 35, Pl. 13, figs. 16. Bassler and Moodey, 1943, p. 480. Branson, C. C., 1948, p. 194.  
 Permian, Wordian, Sosio Beds. Sicily
- Forbesiocrinus? siculus* Gregorio, 1930 = *Forbesiocrinus siculus*
- Forbesiocrinus speciosus* Miller and Gurley, 1890 = *Taxocrinus multibrachiatus* = *Forbesiocrinus wortheni*
- Forbesiocrinus spinifer* Hall, 1861 = *Wachsmuthicrinus spinifer*
- Forbesiocrinus spiniger* Hall, 1861 = *Wachsmuthicrinus spinifer*
- Forbesiocrinus subramulosus* Shumard, 1866 = *Taxocrinus ramulosus*
- Forbesiocrinus tardus* Hall and Whitfield, 1875 = *Dactylocrinus tardus*
- Forbesiocrinus thiemei* Hall, 1861 = *Taxocrinus thiemei* = *Wachsmuthicrinus thiemei*
- Forbesiocrinus washingtonensis* Miller and Gurley, 1896a, p. 54, Pl. 3, figs. 32-33. Miller, S. A., 1897, p. 746, Figs. 1356-1357. Weller, S., 1898c, p. 279. Springer, 1906, Pl. 7, fig. 20. Springer, 1920a, p. 205, Pl. 29, figs. 1-3. Bassler and Moodey, 1943, p. 480.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Forbesiocrinus whitfieldi* Hall, 1858 = *Onychocrinus whitfieldi* = *Taxocrinus whitfieldi*
- Forbesiocrinus withersi* Laudon, Parks, and Spreng, 1952, p. 559, Pls. 66, figs. 1-4; 69, fig. 9. Webster, 1973, p. 132.  
 Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Forbesiocrinus wortheni* Hall, 1858c, p. 632, Pl. 17, fig. 5. Hall, 1859a, Pl. 3, fig. 7. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246, Fig. 308. Neumayr, 1889, p. 468, Fig. 138. Weller, S., 1898c, p. 279. Grabau and Shimer, 1910, p. 567, Fig. 1906. Springer, 1920a, p. 253, Pl. 27, figs. 1-8. Bassler and Moodey, 1943, p. 480. Ubaghs, 1953, p. 755, Fig. 15, no. e. Van Sant *in* Van Sant and Lane, 1964, p. 100. Webster, 1973, p. 132. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 5. Wolf, 1979, p. 151, Fig. 2, no. m. Webster, 1986, p. 151. Ausich and Meyer, 1992, p. 835, Fig. 1.3. Ausich et al. *in* Hess et al., 1999 p. 18,

Fig. 27.

*Forbesiocrinus wortheni* Meek and Worthen, 1873 (*non* Hall, 1858), p. 496, Pls. 14, fig. 2; 15, fig. 7. Bassler and Moodey, 1943, p. 479.

*Forbesiocrinus multibrachiatus* Lyon and Casseday, 1859, p. 235. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Miller and Gurley, 1896, p. 55, Pl. 4, fig. 1. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 626. Springer, 1920a, p. 245, Pls. 28, figs. 1-19; 29, figs. 4-5. Bassler and Moodey, 1943, p. 479. Moore and Laudon, 1944, p. 179, Pl. 68, fig. 4. Van Sant *in* Van Sant and Lane, 1964, p. 100. Webster, 1973, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T185, Fig. 155, no. 3. Lane *in* Moore and Teichert, 1978, p. T267, Fig. 206. Webster, 1986, p. 50. Ausich and Meyer, 1992, p. 835.

*Taxocrinus multibrachiatus* (Lyon and Casseday, 1859). Miller, S. A., 1889, p. 286. Weller, S., 1898c, p. 626.

?*Taxocrinus multibrachiatus* Lyon and Casseday, 1859. Steinmann and Döderlein, 1890, p. 163, Fig. 162. Steinmann, 1907, p. 200, Fig. 284.

*Forbesiocrinus speciosus* Miller and Gurley, 1890b, p. 27, Pl. 5, figs. 8-9. Miller and Gurley, 1891, p. 347, Pl. 5, figs. 8-9. Miller, S. A., 1892a, p. 678, Fig. 1231. Weller, S., 1898c, p. 279. Bassler and Moodey, 1943, p. 479. Ausich and Meyer, 1992, p. 835.

*Taxocrinus crawfordsvillensis* Miller and Gurley, 1893, p. 49, Pl. 4, fig. 3. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 590. Ausich and Meyer, 1992, p. 835.

*Parichthyocrinus crawfordsvillensis* (Miller and Gurley, 1894). Springer, 1920a, p. 411, Pl. 63, figs. 5-6. Bassler and Moodey, 1943, p. 590. Brett, 1981b, p. 361, Fig. 7, no. F. Webster, 1988, p. 125. Ausich and Meyer, 1992, p. 835.

*Parichthyocrinus? crawfordsvillensis* (Miller and Gurley), 1894. Van Sant *in* Van Sant and Lane, 1964, p. 102. Webster, 1973, p. 196. Ausich and Meyer, 1992, p. 835.

*Forbesiocrinus jerseyensis* Miller and Gurley, 1896a, p. 58, Pl. 4, figs. 2, 5. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 279. Bassler and Moodey, 1943, p. 480. Ausich and Meyer, 1992, p. 835.

*Forbesiocrinus macadamsi* Miller and Gurley, 1896b, p. 58, Pl. 5, figs. 1-2. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 279. Bassler and Moodey, 1943, p. 480. Ausich and Meyer, 1992, p. 835.

Mississippian, Viséan (late Osagean), Fort Payne Chert, Edwardsville Formation, Harrodsburg Limestone, Keokuk Limestone, lower part of the Warsaw Formation. United States, Kentucky, Indiana, Iowa, Illinois, Missouri

*Forbesiocrinus wortheni* Meek and Worthen, 1873 = *Forbesiocrinus multibrachiatus* = *F. wortheni*

*Forbesiocrinus?* sp. indet. Schmidt, 1930 = Family, Genus, Species, Unknown

*Forbesiocrinus* spp.

Ubaghs *in* Moore and Teichert, 1978, p. T185, Fig. 155, no. 4. Webster, 1986, p. 150.

Mississippian. United States

Kammer, 1984, p. 129, Fig. 4, nos. J-M. Webster, 1988, p. 87.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale.  
 United States, Kentucky  
 Jell and Jell, 1999, p. 232, Fig. 28, nos. A-C.  
 Devonian, early - middle Famennian, Virgin Hills Formation. Australia, Western  
 Australia

*FORBESOCRINUS* Scudder, 1882 = ***FORBESIOCRINUS***

*FORBSIOCRINUS* Meek and Worthen, 1860 = ***FORBESIOCRINUS***

Forgery of crinoid Prokop, 2001b, p. 51, Fig. 1.  
 Silurian, Barrandian. Czech Republic

Forgery of crinoid Prokop, 2001b, p. 51, Fig. 2.  
 Silurian, Barrandian. Czech Republic

Forgery of crinoid Prokop, 2001b, p. 51, Fig. 3.  
 Silurian, Barrandian. Czech Republic

***FORTHOCRINUS*** Wright, 1942. \**F. lepidus* Wright, 1942.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
 Stellarocrinidae

Wright, J., 1942, p. 274. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 131.  
 Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661. Webster,  
 1986, p. 151. Lane and Sevastopulo, 1990, p. 336. Webster, 1990, p. 64.  
 Webster, 1993, p. 62.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
 Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Forthocrinus lepidus* Wright, J., 1942, p. 275, Pl. 12, figs. 3-6. Wright, J., 1951b, p. 72,  
 Pl. 35, figs. 1-5, 21. Webster, 1973, p. 131. Moore, Strimple, and Lane *in* Moore  
 and Teichert, 1978, p. T661, Fig. 432, no. 2. Webster, 1986, p. 151.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

Fossil encrinite Anthony, 1839 = *Glyptocrinus decadactylus*

Fragment de Calice de Crinoïde indéterminé Thoral, 1935, p. 89, Pl. 7, fig. 11.  
 Ordovician, late Tremadocian- early Arenigian. France

Fragment du tube anal d'un Crinoïde cameratus appartenant à une espèce  
 d'*Actinocrinus* Valette, 1934, p. 99 Pl. 1, figs. 14a-14c.  
 Permian, Wordian. Tunisia

Fragments de Crinioides indéterminés Termier, G. and Termier, H., 1950, p. 236, Pl.  
 226, figs. 13, 21 (brachs), 16 (radial). Webster, 1973, p. 274.  
 Devonian, Siegenian. Morocco

Fragment of a brachiale Termier, H. and Termier, G., 1974, p. 46, Pl. 6, fig. 9.  
 Webster, 1986, p. 323.  
 Devonian, late Emsian. Morocco

Fragments of ?calyx-ossicles Kalvacheva and Prokop, 1988, p. 91, Figs. 8-9.  
 Webster, 1993, p. 62.  
 Early Paleozoic, possibly Devonian. Bulgaria, Sipka Balkan Mountains

**FRAGUCRINUS** Ausich and Copper, 2010. \**Fragucrinus bothros* Ausich and Copper, 2010.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Ausich and Copper, 2010, p. 45.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

\**Fragucrinus bothros* Ausich and Copper, 2010, p. 46, Pl. 9, fig. 3; Fig. 9.5.  
 Silurian, Llandoveryian, Jupiter Formation, Richardson Member. Canada, Quebec

**FRANKOCRINUS** Jell, 1999. \**Frankocrinus holmesi* Jell, 1999.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae

Jell, 1999a, p. 34.

Named, currently recognized species based on cups or crowns: 2 Devonian, Lochkovian species

Devonian, late Lochkovian. Australia, Victoria

*Frankocrinus enidae* Jell, 1999a, p. 36, Figs. 24-25.  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

\**Frankocrinus holmesi* Jell, 1999a, p. 35, Fig. 23, nos. A-C.  
 Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

**FRESNEDACRINUS** Ausich, Gil Cid, and Alonso, 2002. \**Fresnedacrinus ibericus* Ausich, Gil Cid, and Alonso, 2002.

Sbc. Cladida, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Colpodecrinidae

Ausich, Gil Cid, and Alonso, 2002, p. 982.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian (late early Llandeillian). Spain

\**Fresnedacrinus ibericus* Ausich, Gil Cid, and Alonso, 2002, p. 983, Figs. 7.1-7.2, 8.1-8.2.

Ordovician, Darriwilian (late early Llandeillian), Pizarras Guindo Formation. Spain

**GAELICRINUS** Ausich and Sevastopulo, 2001. \**Poteriocrinus rostratus* Austin and Austin, 1843.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Ausich and Sevastopulo, 2001, p. 96.

Named, currently recognized species based on cups or crowns: 4 Mississippian,  
Tournaisian species

Mississippian, late Tournaisian. Ireland

*Gaelicrinus loreus* (Sladen, 1878). Ausich and Kammer, 2006, p. 104.

*Dactylocrinus loreus* Sladen, 1878, p. 246. Bassler and Moodey, 1943, p. 678.

*Scytalocrinus loreus* (Sladen, 1878). Bassler and Moodey, 1943, p. 678. Wright, J.,  
1951a, p. 35. Webster, 1973, p. 238. Ausich and Kammer, 2006, p. 104.

Mississippian, late Tournaisian. Ireland

*Gaelicrinus pentagonus* (Austin and Austin, 1843). Ausich and Kammer, 2006, p. 104.

*Phacelocrinus? pentagonus* (Austin and Austin, 1843). Wright, J., 1951a, p. 32, Pl.  
9. Webster, 1973, p. 204. Ausich and Kammer, 2006, p. 104.

*Cladocrinites pentagonus* Austin and Austin, 1843, p. 198. Bronn, 1848, p. 305.

Bassler and Moodey, 1943, p. 704. Wright, J., 1951a, p. 32. Webster, 1973, p.  
204.

*Poteriocrinus pentagonus* Austin and Austin, 1843, p. 86, Pl. 2, figs. 2a-2f.

*Poteriocrinites pentagonus* (Austin and Austin, 1843). Bassler and Moodey, 1943,  
p. 704.

*Taxocrinus pentagonus* (Austin and Austin, 1843). Bronn, 1848-1849, p. 1217.

Springer, 1920a, p. 383. Bassler and Moodey, 1943, p. 704.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

Mississippian, late Tournaisian. Ireland

*Gaelicrinus portlocki* Ausich and Sevastopulo, 2001, p. 99, Pl. 10, figs. 17-18; Fig. 12,  
nos. C, F.

*Phacelocrinus rostratus?* (Austin and Austin); Wright, 1960. Ausich and  
Sevastopulo,

2001, p. 99.

Mississippian, late Tournaisian, Porter's Gate Formation, ?Lyraun Cove Shale  
Member. Ireland

\**Gaelicrinus rostratus* (Austin and Austin, 1843). Ausich and Sevastopulo, 2001, p. 97,  
Pl. 10, figs. 12-16; Fig. 12, nos. A-B, E.

*Poteriocrinites rostratus* Austin and Austin, 1842, p. 108. Austin and Austin, 1843, p.  
196. Bassler and Moodey, 1943, p. 678. Ausich and Sevastopulo, 2001, p. 97.

*Poteriocrinus rostratus* (Austin and Austin, 1842). Austin and Austin, 1846, p. 75,  
Pl. 9, fig. 2b only. Bassler and Moodey, 1943, p. 678. Wright, J., 1951a, p. 29.

Webster, 1973, p. 204. Ausich and Sevastopulo, 2001, p. 97.

*Poteriocrinus (Scytalocrinus) rostratus* Austin; Wachsmuth and Springer, 1880  
(1879), p. 118 (341). Bassler and Moodey, 1943, p. 678. Ausich and  
Sevastopulo, 2001, p. 97.

*Scytalocrinus elongatus* (Sladen, 1878). Bassler and Moodey, 1943, p. 677.

*Dactylocrinus elongatus* Sladen, 1878, p. 247. Bassler and Moodey, 1943, p. 677.

*Scytalocrinus rostratus* (Austin and Austin, 1842). Bassler and Moodey, 1943, p. 678. Ausich and Sevastopulo, 2001, p. 97.

*Phacelocrinus rostratus* (Austin and Austin, 1842). Wright, J., 1951a, p. 29, Pls. 8, figs. 1-3, 7-8, 10; 10, fig. 4; Fig. 9. Wright, J., 1960, p. 330, Appendix, Pl. A, fig. 1.

Webster, 1973, p. 204. Moore and Strimple *in* Moore and Teichert, 1978, p. T647, Fig. 422, no. 2b. Webster, 1986, p. 249. Ausich and Sevastopulo, 1994, p. 249, Fig. 6. Ausich and Sevastopulo, 2001, p. 97.

*Dactylocrinus elongatus* Sladen, 1878 (part). Ausich and Sevastopulo, 2001, p. 97. Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* beds, Supradolomite Beds, *Chonetes* Beds. Ireland

**GALATEACRINUS** Moore, 1940. \**G. stevensi* Moore, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Galateacrinidae

Moore, 1940a, p. 45. Bassler and Moodey, 1943, p. 481. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 165. Knapp, 1969, p. 382, Fig. 1. Strimple and Moore, 1971a, p. 18. Strimple and Moore, 1971b, p. 382. Webster, 1973, p. 132. Pabian and Strimple, 1974a, p. 286. Webster, 1977, p. 87. Moore and Strimple *in* Moore and Teichert, 1978, p. T738. Webster, 1986, p. 151. Pabian and Rushlau, 2002, p. 30. *Thomka et al., 2012, p. 475, Fig. 9.*

Named, currently recognized species based on cups or crowns: 7 species. 6 Pennsylvanian, 1 Desmoinesian, 4 Missourian, 1 Virgilian; 1 Permian, late Sakmarian – early Artinskian

Pennsylvanian, Desmoinesian - Virgilian. United States

Permian, late Sakmarian - early Artinskian. Australia

*Galateacrinus australis* Webster and Jell, 1992, p. 348, Fig. 18, no. A.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin

*Galateacrinus allisoni* Moore, 1940a, p. 49, Pl. 1, figs. 11a-11c; Fig. 5, nos. a-b.

Bassler and Moodey, 1943, p. 481. Moore and Laudon, 1944, p. 165, Pl. 64, fig. 13. Strimple, 1959b, p. 195. Knapp, 1969, p. 382. Webster, 1973, p. 132. Webster, 1977, p. 87.

Pennsylvanian, Missourian, Iola Limestone; Wann Formation. United States, Kansas, Oklahoma

*Galateacrinus coacervatus* Strimple and Moore, 1971a, p. 18, Pls. 8, fig. 1; 12, figs. 3a-3b. Webster, 1977, p. 88.

Pennsylvanian, Missourian, Graford Formation. United States, Texas

*Galateacrinus ewersi* Moore, 1940a, p. 48, Pl. 1, figs. 12a-12d. Bassler and Moodey, 1943, p. 481. Moore and Laudon, 1944, p. 165, Pl. 64, fig. 14. Knapp, 1969, p. 382. Webster, 1973, p. 132. Webster, 1977, p. 88.

Pennsylvanian, Missourian, Graford Formation. United States, Texas

*Galateacrinus gossameri* Pabian and Strimple, 1974a, p. 286, Pl. 34, figs. 5-7. Pabian



- and Strimple, 1974b, p. 25, Fig. 11, nos. 4-5. Webster, 1986, p. 151. Pabian and Rushlau, 2002, p. 30.  
 Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone Member; Coal Creek Limestone; Lecompton Formation, Beil Limestone Member. United States, Iowa, Nebraska, Kansas
- Galateacrinus* sp. cf. *G. gossameri* Pabian and Strimple, 1974. Pabian and Strimple, 1980b, p. 16. Webster, 1986, p. 151.  
 Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member. United States, Nebraska
- Galateacrinus ornatus* Moore, 1940a, p. 51, Pl. 1, figs. 13a-13b; Fig. 9, nos. a-c. Bassler and Moodey, 1943, p. 481. Knapp, 1969, p. 382. Strimple and Moore, 1971b, p. 9, fig. 4, no. 4. Webster, 1977, p. 88. Moore and Strimple *in* Moore and Teichert, 1978, p. T738, Fig. 487, no. 2e. Webster, 1986, p. 152.  
 Pennsylvanian, Missourian, ?Checkerboard Limestone; Francis Shale. United States, Kansas, Oklahoma
- Galateacrinus* sp. cf. *G. ornatus* Moore, 1940. Pabian and Strimple, 1993, p. 37, Fig. 19, nos. h-j.  
 Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas
- \**Galateacrinus stevensi* Moore, 1940a, p. 46, Pl. 1, figs. 9a-9d, 10; Figs. 6-8. Bassler and Moodey, 1943, p. 481. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 2.  
 Moore and Laudon, 1944, p. 165, Pls. 62, fig. 2; 64, fig. 15. Devonshire, 1954, Pl. 2, figs. 24-25. Devonshire, 1955, Pl. 2, figs. 24-25. Strimple, 1962e, p. 39. Knapp, 1969, p. 382, Fig. 49. Strimple and Duluk, 1971, p. 244, Figs. 11-13. Webster, 1973, p. 132. Webster, 1977, p. 88. Moore and Strimple *in* Moore and Teichert, 1978, p. T738, Fig. 487, nos. 2a-2d. Webster, 1986, p. 152.  
 Pennsylvanian, Desmoinesian, Oologah Limestone; Pumpkin Creek Limestone. United States, Oklahoma
- Galateacrinus* sp. cf. \**G. stevensi* Moore, 1940. Strimple and Duluk, 1971, p. 244, Figs. 8-10. Webster, 1977, p. 88.  
 Pennsylvanian, late Desmoinesian or early Missourian, Woodville Sandstone. United States, Michigan
- Galateacrinus* sp. Lane and Webster, 1967, p. 15, Fig. 1. Webster, 1973, p. 132.  
 Pennsylvanian. United States
- GASTEROCOMA** Goldfuss, 1839. \**G. antiqua* Goldfuss, 1839.  
 Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
 Goldfuss, 1839, p. 350. Pictet, 1857, p. 311. Müller, J., 1857, p. 257. Dujardin and Hupé, 1862, p. 109. Schultze, 1866, p. 95 (adv. pub.) . Schultze, 1867, p. 207.

- Zittel, 1880, p. 344, 363. Wachsmuth and Springer, 1886, p. 182 (106). Zittel, 1895, p. 127. Koken, 1896, p. 280. Bather *in* Lankester, 1900, p. 177. Wachsmuth *in* Zittel, 1900, p. 155. Springer, 1911c, p. 127. Bassler, 1938, p. 100. Bassler and Moodey, 1943, p. 481. Moore and Laudon, 1943b, p. 50, Fig. 4.
- Ubaghs, 1953, p. 750. Moore, 1962b, p. 8, Fig. 1, no. 2. Webster, 1973, p. 132. Webster, 1977, p. 87. Lane and Moore *in* Moore and Teichert, 1978, p. T587. Webster, 1986, p. 152. Webster, 1988, p. 87. Hauser, 1997, p. 33, Fig. 11. Hauser, 2001, p. 83. Bohatý, 2006a, p. 405. Hauser *in* Hauser and Landeta, 2007, p. 49, Fig. 3.
- CERAMOCRINUS* Müller *in* Zeiler and Wirtgen, 1855, p. 83. Pictet, 1857, p. 310. Dujardin and Hupé, 1862, p. 109. Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 481. Lane and Moore *in* Moore and Teichert, 1978, p. T587.
- EPACTOCRINUS* Müller *in* Zeiler and Wirtgen, 1855, p. 84. Pictet, 1857, p. 311. Dujardin and Hupé, 1862, p. 109. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 481. Lane and Moore *in* Moore and Teichert, 1978, p. T587.
- GASTROCOMA* Beyrich, 1871a, p. 50. Bassler, 1938, p. 101. Lane and Moore *in* Moore and Teichert, 1978, p. T587.
- Named, currently recognized species based on cups or crowns: 19 Devonian species, 1 subspecies. 4 Early Devonian undesignated, 2 Emsian, 8 Eifelian (+1 Eifelian subspecies), 3 Eifelian – Givetian, 2 Givetian
- Devonian, Pragian - Givetian. Europe  
Early Devonian. Russia  
Middle Devonian, Eifelian. North America, Nevada, Yukon Territory
- Gasterocoma admota* Dubatolova, 1964, p. 18, Pl. 1, figs. 3-4. Webster, 1973, p. 132. Early Devonian. Russia, Kuznetz Basin
- \**Gasterocoma antiqua* Goldfuss, 1839, p. 350, Pl. 32, figs. 5a-5c. Steininger, 1853, p. 38. Pictet, 1857, p. 312, Pl. 100, fig. 7, nos. a-c. Dujardin and Hupé, 1862, p. 109. Schultze, 1866, p. 96 (adv. pub.). Schultze, 1867, p. 208, Pl. 12, fig. 1. Zittel, 1880, p. 363, Fig. 251, nos. a-c. Zittel, 1895, p. 127, Fig. 240, nos. a-c. Wachsmuth *in* Zittel, 1900, p. 155, Fig. 257, Nos. a-c. Frech, 1902, Pl. 27, figs. 3a-3c. Gürich, 1909, p. 108, Pl. 33, fig. 5. Springer, 1911c, Pl. 1, fig. 8. Bassler, 1938, p. 100. Wanner, 1943, p. 37, Unnum. Fig. p. 37. Bassler and Moodey, 1943, p. 481. Webster, 1977, p. 88. Lane and Moore *in* Moore and Teichert, 1978, p. T587, Figs. 376, no. 6; 377, no. 5. Webster, 1986, p. 152. Hauser, 1997, p. 33, Pl. 35, figs. 2-11. Hauser, 2001, Pl. 27, fig. 5. Hauser *in* Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 11.
- Epactocrinus antiqua* Quenstedt, 1876, p. 530, Pl. 108, figs. 55-57, 59-60. Bassler and Moodey, 1943, p. 481.
- Devonian, Eifelian; boundary beds of Emsian – Eifelian, Moniello Formation. Germany, Spain
- Gasterocoma? arguta* Dubatolova, 1964, p. 20, Pl. 2, fig. 1. Webster, 1973, p. 132. Early Devonian. Russia, Kuznetz Basin

- Gasterocoma armoricana* Le Menn, 1980, p. 255, Pl. 34, figs., 1-8 (col). Le Menn, 1985, p. 83, Pl. 16, figs. 1-6. Webster, 1988, p. 87.  
Devonian, Emsian? (early Siegenian), l'Armorique Formation. France, Armorican Massif
- Gasterocoma? bicaula* Johnson and Lane, 1969, p. 72, Pl. 14, figs. 1-4; Fig. 1, nos. a-c. McLaren, Norris, and Cumming, 1970, p. 618, Pl. 9, figs. 4-5.  
Devonian, Eifelian, Nevada Formation. United States, Nevada; Canada, Yukon Territory
- Gasterocoma calculus* Hauser, 1997, p. 37, Pl. 36, figs. 1-2; Fig. 13.  
Devonian, Eifelian, ?Junkerberg Formation. Germany
- Gasterocoma clava* Hauser, 1997, p. 35, Pl. 38, figs. 1, 4-6; Fig. 12.  
Devonian, Eifelian, Junkerberg Formation, ?Giesdorf Member. Germany
- Gasterocoma clava rotundatus* Hauser, 1997, p. 35, Pl. 38, figs. 9-11.  
Devonian, Eifelian, Junkerberg Formation, ?Giesdorf Member. Germany
- Gasterocoma dibapha* Dubatolova, 1964, p. 19, Pl. 1, fig. 5. Webster, 1973, p. 132.  
Early Devonian. Russia, Kuznetz Basin
- Gasterocoma eifelensis* (Zeiler and Wirtgen, 1855). Bassler and Moodey, 1943, p. 481. Hauser, 1997, p. 38, Pl. 36, figs. 4, 6.  
*Ceramocrinus eifelensis* Zeiler and Wirtgen, 1855, p. 83, Pl. 12, figs. 1-4. Pictet, 1857, p. 311, Pl. 100, fig. 5, nos. a-b. Dujardin and Hupé, 1862, p. 109.  
Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 481.  
Devonian, Eifelian–Givetian, ?Loogh Formation. Germany
- Gasterocoma* aff. *eifeliensis* (Zeiler and Wirtgen), Hauser, 1997 = *Gasterocoma reticularis*
- Gasterocoma* cf. *eifeliensis* (Zeiler and Wirtgen, 1855). Hauser, 1997, Pl. 36, fig. 7.  
Devonian, Givetian, ?Loogh Formation. Germany
- Gasterocoma gibbosus* Schultze, 1866, p. 98 (adv. pub.). Schultze, 1867, p. 210, Pl. 12,  
fig. 5. Bassler and Moodey, 1943, p. 481. Hauser, 2001, p. 24, 83, Pl. 17, figs. 1-1b; Fig. 68.  
Devonian, Eifelian–Givetian, Loogh Formation, Hustley Member. Germany
- Gasterocoma* aff. *gibbosa* Schultze, 1867. Hauser, 1997, p. 40, Pls. 35, fig. 1; 36, fig. 5; 37, fig. 5.  
Devonian, Givetian, ?Loogh Formation. Germany
- Gasterocoma irregularis* (Zeiler and Wirtgen, 1855). Bassler and Moodey, 1943, p. 481.

- Epactocrinus irregularis* Zeiler and Wirtgen, 1855, p. 85, Pl. 12, figs. 5-8. Pictet, 1857, p. 311, Pl. 100, fig. 6, nos. a-c. Billings, E., 1858, p. 33, Fig. 19. Bronn, 1860, Pl. 28, figs. 7A-7C. Dujardin and Hupé, 1862, p. 109. Quenstedt, 1876, p. 530, Pl. 108, fig. 58. Bassler, 1938, p. 95. Bassler and Moodey, 1943, p. 481. Devonian, Eifelian. Germany
- Gasterocoma kayseri* Schmidt, W. E., 1942, p. 106, Fig. 28. Webster, 1973, p. 132. Devonian, Eifelian. Germany
- Gasterocoma luckeni* Bohatý, 2006a, p. 434, Fig. 15, nos. 1-11. Devonian, early Givetian, Ahbach Formation. Germany
- Gasterocoma mite* Dubatolova, 1964, p. 23, Pl. 2, fig. 2. Webster, 1973, p. 132. Devonian, Eifelian. Russia, Kuznetz Basin
- Gasterocoma mulleri* Schultze, 1866, p. 99 (adv. pub.). Schultze, 1867, p. 211, Pl. 12, fig. 2. Bassler and Moodey, 1943, p. 482. Hauser, 2001, p. 24, 85, Pl. 16, figs. 3-3a; Fig. 69. Devonian, Eifelian–Givetian, Lough Formation, Hustley Member. Germany
- Gasterocoma* sp. aff. *Gasterocoma muelleri* (Schultze, 1867). Hauser, 1997, p. 41, Pl. 38, figs. 2-3. Devonian, Givetian, ?Lough Formation. Germany
- Gasterocoma reticularis* Schultze, 1866, p. 99 (adv. pub.). Schultze, 1867, p. 211, Pl. 12, fig. 3. Bassler and Moodey, 1943, p. 482. Hauser, 1997, p. 42. Hauser, 2001, p. 24, 86, Pls. 16, figs. 2-2a; 28, figs. 1-1a; Fig. 70. *Gasterocoma* aff. *eifeliensis* (Zeiler and Wirtgen, 1855). Hauser, 1997, Pls. 37, figs. 2-4; 38, figs. 7-8. Hauser, 2001, p. 86. Devonian, Givetian, Lough Formation. Germany
- Gasterocoma salairica* Dubatolova, 1964, p. 21, Pl. 1, figs. 6-7. Webster, 1973, p. 133. Early Devonian. Russia, Kuznetz Basin
- Gasterocoma stellaris* Schultze, 1866, p. 100 (adv. pub.). Schultze, 1867, p. 212, Pl. 12, fig. 4. Bassler and Moodey, 1943, p. 482. Hauser, 2001, p. 24, 87, Pl. 17, figs. 2-2a; Fig. 71. Devonian, Eifelian. Germany
- Gasterocoma* aff. *stellaris* 1867. Hauser, 1997, p. 43, Pl. 36, fig. 3. Devonian, Givetian, Lough Formation. Germany
- Gasterocoma xivaresensis* Hauser in Hauser and Landeta, 2007, p. 46, Fig. 4. Devonian, Middle Emsian, Aguión Formation. Spain
- Gasterocoma* sp. Hauser, 1997, Pl. 37, fig. 1. Devonian, Eifelian, Ahbach Formation. Germany

**GASTROCOMA** Beyrich, 1871 = **GASTEROCOMA**

Gasterocomid indet. Jell *et al.*, 1988, p. 391, Fig. 27, nos. A-H. Webster, 1993, p. 62. Devonian, Pragian (*sulcatus* Biozone), Shield Creek Formation, Martins Well Limestone Member. Australia, Queensland

**GASTROCRINUS** Jaekel, 1895. \**Poteriocrinus patulus* Müller, 1859.

Sbc. Cladida, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botyocrinidae  
Jaekel, 1895, p. 80. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 155. Springer *in* Zittel, 1913, p. 221. Schmidt, W. E., 1914, p. 215. Schmidt, 1934, p. 83. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 482. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 133. Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 152. Webster, 1988, p. 87. Franke, C., 2012, p. 15.  
Named, currently recognized species based on cups or crowns: 10 Devonian species.

1 Early Devonian undesignated, 9 Emsian  
Early Devonian. Europe

*Gastrocrinus aldudensis* Le Maitre and Heddebaut, 1962, p. 2399, Figs. 1-2. Webster, 1973, p. 133.  
Early Devonian. France

*Gastrocrinus brancai* Schmidt, W. E., 1914, p. 220, Pl. 4, fig. 6. Bassler and Moodey, 1943, p. 482. Schmidt, W. E., 1942, p. 135, Pl. 23, fig. 6. Webster, 1973, p. 133.  
Devonian, Emsian. Germany

*Gastrocrinus dahmeri* Schmidt, W. E., 1942, p. 139, Pl. 21, fig. 6. Webster, 1973, p. 133.  
Devonian, Emsian, Hohenrhein Beds. Germany

*Gastrocrinus drevermanni* Schmidt, 1914. Schmidt, W. E., 1942, p. 135, Pl. 23, fig. 4; Fig. 36. Webster, 1973, p. 133.

*Gastrocrinus?* *drevermanni* Schmidt, W. E., 1914, p. 2213, Pls. 4, figs. 4-5; 4a, fig. 16. Bassler and Moodey, 1943, p. 482.

Crinoid gen. et spec. indet. Drevermann, 1904, p. 281. Schmidt, W. E., 1942, p. 135.

Devonian, Emsian? (Siegenian), Siefen Limestone, Rauhflaser Horizon. Germany

*Gastrocrinus?* *drevermanni* Schmidt, 1914 = *Gastrocrinus drevermanni*

*Gastrocrinus eupelmatus* (Schmidt, 1915). Schmidt, W. E., 1934, p. 87, Pl. 16, fig. 3; Fig. 18, no. c. Bassler and Moodey, 1943, p. 482.

*Arthroacantha eupelmatus* Schmidt, W. E., 1915, p. 123, Fig. 2. Bassler and Moodey, 1943, p. 482.

Devonian, early Emsian, Hunsrückschiefer. Germany

- Gastrocrinus follmanni* Schmidt, 1914. Schmidt, W. E., 1942, p. 134, Pl. 23, fig. 1. Webster, 1973, p. 133.  
*Gastrocrinus patulus* var. *follmanni* Schmidt, W. E., 1914, p. 218, Pls. 4, figs. 1-2; 4a, fig. 14. Schmidt, W. E., 1942, p. 134. Bassler and Moodey, 1943, p. 482. Webster, 1973, p. 133.  
*Poteriocrinus patulus* Follmann, 1887, p. 120, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 482.  
 Devonian, early Emsian, Hunsrückschiefer. Germany
- Gastrocrinus giganteus* Schmidt, W. E., 1934, p. 83, Pls. 9, figs. 1-2; 10, figs. 1-2; Fig. 18, nos. a-b. Bassler and Moodey, 1943, p. 482. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 399, no. 1. Webster, 1986, p. 152. Bartels and Brassel, 1990, p. 170, Fig. 28. Bartels, Briggs, and Brassel, 1998, p. 35, Fig. 21. Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Gastrocrinus oeunissenii* Franke, C., 2012, p. 15, Pl. 1-4; Fig. 3a-d.  
 Devonian, Emsian, Wiltz Beds. Germany, Rhenischen Schiefergebirge
- \**Gastrocrinus patulus* (Müller, 1859). Jaekel, 1895, p. 80, Fig. 25. Schmidt, W. E., 1914, p. 216, Pls. 4, figs. 6-7, 9; 4a, figs. 18-19. Schmidt, W. E., 1942, p. 132, Pls. 23, fig. 2; 25, fig. 10. Bassler and Moodey, 1943, p. 482. Le Maitre, 1954, p. 2108. Le Maitre, 1958b, p. 133, Pl. 2, fig. 11. Webster, 1973, p. 133. Le Menn, 1997b, p. 136 (anal sac).  
*Poteriocrinus patulus* Müller, J., 1859, p. 192. Follmann, 1887, p. 120, Pl. 2, fig. 5. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 482.  
 Devonian, Emsian, Hunsrückschiefer. Germany  
 Devonian, early Emsian, Stadtfeld Beds. Algeria
- Gastrocrinus cf. patulus* (Müller, 1859). Breuer *et al.*, 1992, p. 66, Pl. 12, fig. 2.  
 Devonian, Emsian. Germany
- Gastrocrinus patulus* var. *follmanni* Schmidt, 1914 = *Gastrocrinus follmanni*
- Gastrocrinus rugosus* Schmidt, W. E., 1914, p. 221, Pls. 4, fig. 3; 4a, fig. 17. Schmidt, W. E., 1942, p. 139, Pl. 23, fig. 5. Bassler and Moodey, 1943, p. 482. Webster, 1973, p. 133.  
 Devonian, Emsian. Germany
- Gastrocrinus* sp. A Le Menn *in* Le Menn and Racheboeuf, 1976, p. 311, Pl. 30, fig. 10. Le Menn, 1985, p. 93, Pl. 17, fig. 9; Fig. 79, no. B. Webster, 1986, p. 152. Webster, 1988, p. 87.  
 Devonian, late Emsian, Montguyon Formation. France, Armorican Massif
- Gastrocrinus* sp. indet. Schmidt, W. E., 1942, p. 133, Pl. 23, fig. 3. Webster, 1973, p. 133.  
 Devonian, Emsian. Germany
- GAULOCRINUS** Kirk, 1945. \**Gaulocrinus robustus* (Troost *in* Wood, 1909)

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Gaulocrinidae

Kirk, 1945b, p. 180. Webster, 1973, p. 133. Webster, 1977, p. 88. Moore *in* Moore and Teichert, 1978, p. T786. Webster, 1986, p. 152. Webster, 1988, p. 87. Lane and Sevastopulo, 1990, p. 334. Ausich and Meyer, 1992, p. 830. Webster, 1993, p. 62.

Named, currently recognized species based on cups or crowns: 4 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States

*Gaulocrinus bordeni* (Springer, 1920) = *Gaulocrinus trautscholdi*

*Gaulocrinus robustus* (Troost in Wood, 1909). Kirk, 1945b, p. 181. Webster, 1973, p. 133. Ausich and Meyer, 1992, p. 831. Ausich, 2009a, p. 486, suppl. p. 26.

*Cyathocrinus robustus*, 1850a, p. 61. Troost, 1850b, p. 419. Miller, S. A., 1889, p. 236. Bassler and Moodey, 1943, p. 686.

*Cyathocrinites robustus* (Troost, 1850). Kirk, 1945b, p. 181. Webster, 1973, p. 133. *Stemmatocrinus trautscholdi* Wachsmuth and Springer, 1885. Wood, 1909, p. 98, Pl.

7, figs. 12-14. Bassler and Moodey, 1943, p. 686.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Gaulocrinus symmetros* Ausich and Meyer, 1992, p. 832, Figs. 1.24-1.25, 1.27.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

\**Gaulocrinus trautscholdi* (Wachsmuth and Springer, 1885). Kirk, 1945b, p. 182.

Webster, 1973, p. 133. Webster, 1977, p. 88. Moore *in* Moore and Teichert, 1978, p. T786, Figs. 525, no. 5; 527, no. 1. Kammer, 1984, p. 128, Fig. 4, no. 1. Webster, 1986, p. 152. Webster, 1988, p. 88. Ausich and Meyer, 1992, p. 832.

*Stemmatocrinus trautscholdi* Wachsmuth and Springer, 1885, p. 180, Pl. 9, figs. 7, 8. Wachsmuth and Springer, 1886, p. 256. Miller, S. A., 1889, p. 282. Weller, S., 1898c, p. 601. Bassler and Moodey, 1943, p. 686. Kirk, 1945b, p. 182. Wilson, C.

W., 1948, p. 166, Pl. 29, figs. 9-11 (incorrectly given as figs. 6-8, p. 166).

Webster, 1977, p. 88. Ausich and Meyer, 1992, p. 832.

*Mespilocrinus bordeni* Springer, 1920a, p. 197, Pl. 5, figs. 23a-23c. Bassler and Moodey, 1943, p. 562. Kirk, 1945b, p. 181. Webster, 1973, p. 133. Ausich and Meyer, 1992, p. 832.

*Gaulocrinus bordeni* (Springer, 1920). Kirk, 1945b, p. 181. Webster, 1973, p. 133. Ausich and Meyer, 1992, p. 832, Figs. 1.29-1.30, 1.32 (non Fig. 1.31 as given p. 832).

Mississippian, Viséan (Osagean), Ft. Payne Formation, New Providence Shale. United States, Kentucky,

*Gaulocrinus veryi* (Rowley, 1903). Kirk, 1945b, p. 182. Webster, 1973, p. 133. Ausich and Meyer, 1992, p. 831, Figs. 1.22-1.23, 1.26, 1.28, 1.31.

*Stemmatocrinus? veryi* Rowley, R. R., 1903c, p. 133, Pl. 38, figs. 7-8. Bassler and Moodey, 1943, p. 686. Kirk, 1945b, p. 182. Webster, 1973, p. 133. Ausich and Meyer, 1992, p. 831.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky

**GAUROCRINUS** Miller, 1883. \**Glyptocrinus nealli* Hall, 1866.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Reteocrinidae

Miller, S. A., 1883b, p. 228. Miller, S. A., 1889, p. 246. Bassler, 1915, p. 1100.

Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 482. Moore and Laudon, 1943b, p. 82. Ubaghs, 1953, p. 735. Webster, 1973, p. 133. Ubaghs *in* Moore and Teichert, 1978, p. T414. Webster, 1986, p. 152. Broadhead, 1987, p. 177. Webster, 1993, p. 62. Ausich, 1996, p. 242, Fig. 17-2, no. 1.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Katian species

Ordovician, Katian. North America

*Gaurocrinus angulatus* (Miller and Dyer, 1878) = *Ptychocrinus parvus*

*Gaurocrinus cognatus* (Miller, 1881) = *Gaurocrinus nealli*

*Gaurocrinus fimbriatus* (Billings, 1859). Kolata, 1975, p. 40. Ausich and Copper, 2010, p. 10, Pl. 1, figs. 2-3, 6, 8-10.

*Reteocrinus fimbriatus* Billings, E., 1859a, p. 65, Pl. 9, figs. 3a-3c. Shumard, 1868, p. 394. Bigsby, 1868, p. 23, 196. Miller, S. A., 1889, p. 277 (misspelled as *Retiocrius fimbriatus*). Wachsmuth and Springer, 1897, p. 179, Pl. 9, fig. 4.

Bassler, 1915, p. 1100. Bassler and Moodey, 1943, p. 659. Bolton, T. E., 1972, p. 2, Pl. 1, fig. 7. Webster, 1977, p. 149.

Ordovician, Katian, Vauréal Formation, Easton Members. Canada, Anticosti Island

*Gaurocrinus magnificus* Miller, 1883 = *Reteocrinus magnificus*

\**Gaurocrinus nealli* (Hall, 1866). Miller, S. A., 1883b, p. 228. Miller, S. A., 1889, p. 247, Figs. 309-310. Bassler, 1915, p. 1101. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 483. Ubaghs *in* Moore and Teichert, 1978, p. T414, Fig. 223, no. 2. Webster, 1986, p. 153. Davis, 1992, p. 51, Pl. 6, fig. 21. Ausich, 1996b, p. 245. Fig. 17-4, no. 2. Meyer and Davis, 2009, p. 178, Fig. 12.10, no. C.

*Glyptocrinus nealli* Hall, 1866a, p. 2, Pl. 1, figs. 18-19; Fig. 1. Hall, 1872a, p. 2, Pl. 1, figs. 18-19; Fig. 1. Hall, 1872b, p. 206, Pl. 5, figs. 18-19; Fig. 1. Hall, 1882b, p. 261, Fig. 1. Miller, S. A., 1883c, p. 105. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1101. Bassler and Moodey, 1943, p. 483.

*Glyptocrinus neali* Hall, 1866. Dyche, 1892, p. 130 (sic).

*Reteocrinus nealli* (Hall, 1866). Wachsmuth and Springer, 1897, p. 179, Pl. 9, figs. 1a-1f. Springer, 1905, p. 114, Unnum. Pl., figs. 14-21. Bassler, 1915, p. 1101. Springer, 1920a, p. 90, Pl. 76, figs. 7-8. Rowley, 1906b, p. 29, Pl. 6, fig. 8. Bassler and Moodey, 1943, p. 483.

*Reteocrinus o'nealli* (Hall, 1866). James, 1897, p. 102.

*Reteocrinus onealli* (Hall, 1866). Delage and Herouard, 1903, p. 386, Fig. 478.



*Glyptocrinus cognatus* Miller, S. A., 1881a, p. 75, Pl. 1, figs. 5-5a. Bassler, 1915, p. 1101. Bassler and Moodey, 1943, p. 483.

*Gaurocrinus cognatus* (Miller, 1881). Miller, S. A., 1889, p. 247. Bassler, 1915, p. 1101.

*Reteocrinus cognatus* (Miller, 1881). Wachsmuth and Springer, 1881, p. 367 (p. 193). James, 1897, p. 103. Bassler, 1915, p. 1101.

Ordovician, Katian (Cincinnatian), Waynesville Formation, Liberty Formation.  
United States, Ohio, Kentucky

*Gaurocrinus splendens* Miller, 1883 = *Ptychocrinus splendens*

**GAZACRINUS** Miller, 1892. \**G. inornatus* Miller, 1892.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Gazacrinidae

Miller, S. A., 1892a, p. 679. Miller, S. A., 1892c, p. 49. Miller, S. A., 1894, p. 303.

Wachsmuth and Springer, 1897, p. 204. Miller, S. A., 1897, p. 746. Bather in Lankester, 1900, p. 188. Weller, S., 1900, p. 78. Springer in Zittel, 1913, p. 187. Bassler, 1915, p. 545. Springer, 1926a, p. 15. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 483. Moore and Laudon, 1943b, p. 84, Fig. 14. Moore and Laudon, 1944, p. 189, Pl. 70, fig. 5. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 737. Webster, 1973, p. 133. Ubaghs in Moore and Teichert, 1978, p. T438. Webster, 1986, p. 153.

*IDIOCRINUS* Wachsmuth and Springer, 1892, p. 135. Wachsmuth and Springer, 1897, p. 202. Miller, S. A., 1897, p. 748. Wachsmuth in Zittel, 1900, p. 145.

Bassler, 1915, p. 545. Bassler, 1938, p. 117. Bassler and Moodey, 1943, p. 483. Ubaghs in Moore and Teichert, 1978, p. T438.

Named, currently recognized species based on cups or crowns: 10 Silurian, Niagaran species

Silurian, Niagaran. United States

*Gazacrinus depressus* Springer, 1926a, p. 17, Pl. 2, figs. 13-14. Bassler and Moodey, 1943, p. 483.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Gazacrinus immaturus* (Hall, 1852). Bassler, 1915, p. 545. Bassler and Moodey, 1943, p. 483.

*Thysanocrinus immaturus* Hall, 1852a, p. 191, Pl. 42, figs. 4a-4f. Shumard, 1868, p. 398. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 286. Bassler, 1915, p. 545. Bassler and Moodey, 1943, p. 483.

*Rhodocrinus (Thysanocrinus) immaturus* (Hall, 1852). Shumard, 1866, p. 398. Bassler, 1915, p. 545.

*Dimerocrinus immaturus* (Hall, 1852). Wachsmuth and Springer, 1881, p. 373 (p. 199). Bassler, 1915, p. 545.

*Idiocrinus immaturus* (Hall, 1852). Wachsmuth and Springer, 1897, p. 206, Pl. 18, figs. 10a-10c. Bassler, 1915, p. 545. Bassler and Moodey, 1943, p. 483

Silurian, Niagaran, Rochester Shale. United States, New York

\**Gazacrinus inornatus* Miller, S. A., 1892a, p. 679, Figs. 1232-1233. Miller, S. A., 1892c, p. 49, Pl. 5, figs. 9-10, 15-16. Miller, S. A., 1894, p. 303, Pl. 5, figs. 9-10, 15-17.

Springer, 1926a, p. 16, Pl. 2, figs. 1-9. Bassler, 1915, p. 545. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 483. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 15. Moore and Laudon, 1944, p. 189, Pl. 72, fig. 11. Webster, 1973, p. 134. Ubaghs *in* Moore and Teichert, 1978, p. T438, Fig. 246, no. 1. Webster, 1986, p. 153.

*Idiocrinus elongatus* Miller, S. A., 1892a, p. 680 (*nomen nudum*). Wachsmuth and Springer, 1892, p. 136. Wachsmuth and Springer, 1897, Pl. 18, figs. 8a-8c.

Miller, S. A., 1897, p. 748. Bassler, 1915, p. 545. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 483.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Gazacrinus magnus* Springer, 1926a, p. 17, Pl. 2, figs. 10-12. Bassler and Moodey, 1943, p. 483.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Gazacrinus major* Weller, S., 1900, p. 78, Pl. 3, figs. 1-2. Bassler, 1915, p. 545. Bassler and Moodey, 1943, p. 483.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Gazacrinus milliganae* (Miller and Gurley, 1896). Bassler, 1915, p. 545. Springer, 1926a, p. 18, Pl. 2, figs. 22-24. Bassler and Moodey, 1943, p. 483.

*Thysanocrinus milliganae* Miller and Gurley, 1896a, p. 51, Pl. 3, figs. 23-25. Miller, S. A., 1897, p. 754, Fig. 1403. Bassler, 1915, p. 545. Bassler and Moodey, 1943, p. 483.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Gazacrinus minor* Weller, S., 1900, p. 80, Pl. 3, figs. 3-4. Bassler, 1915, p. 546. Bassler and Moodey, 1943, p. 484.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Gazacrinus ramifer* (Roemer, 1860). Springer, 1926a, p. 18, Pl. 2, figs. 17-21. Bassler and Moodey, 1943, p. 484. Moore and Laudon, 1944, p. 189, Pl. 72, fig. 10. Webster, 1973, p. 134.

*Eucalyptocrinus ramifer* Roemer, F. A., 1860b, p. 51, Pl. 4, fig. 4. Shumard, 1868, p. 371. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 159. Bassler and Moodey, 1943, p. 484.

*Hypanthocrinus ramifer* (Roemer, 1860). Bigsby, 1868, p. 21.

*Callicrinus? ramifer* (Roemer, 1860). Wachsmuth and Springer, 1897, p. 358. Bassler, 1915, p. 159.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Gazacrinus stellatus* Springer, 1926a, p. 19, Pl. 2, figs. 25-25c. Bassler and Moodey, 1943, p. 484. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 14. Moore and Laudon, 1944, p. 189, Pl. 72, fig. 9. Strimple, 1963d, p. 88, Pl. 6, figs. 3-4. Webster, 1973, p. 134.

Silurian, Niagaran, Decatur Limestone. United States, Tennessee

*Gazacrinus ventricosus* (Wachsmuth and Springer, 1892). Bassler, 1915, p. 546.  
 Springer, 1926a, p. 17, Pl. 2, figs. 15-16a. Bassler and Moodey, 1943, p. 484.  
*Idiocrinus ventricosus* Miller, S. A., 1892a, p. 680 (*nomen nudum*). Wachsmuth  
 and Springer, 1892, p. 137. Wachsmuth and Springer, 1897, p. 205, Pls.  
 3, fig.  
 15; 18, figs. 9a-9b. Miller, S. A., 1897, p. 748. Bassler, 1915, p. 546. Bassler and  
 Moodey, 1943, p. 484.  
 Silurian, Niagaran, Laurel Limestone; Henryhouse Formation; Linden Group. United  
 States, Indiana, Oklahoma, Tennessee

**GELASINOCRINUS** Webster et al., 2003. \**Gelasinocrinus revimentus* Webster et  
 al., 2003.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F.  
 Glossocrinidae

Webster et al., 2003, p. 16.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
 Tournaisian species

Mississippian, Tournaisian. Iran, Kerman Province

\**Gelasinocrinus revimentus* Webster et al., 2003, p. 16, Figs. 6.7-6.8. 9.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

**GEMMACRINUS** Prokop and Petr, 1989. \**G. perplexus* Prokop and Petr, 1989.

Classification uncertain, Camerata or "Inadunata"?

Prokop and Petr, 1989a, p. 128, Fig. 5, no. C. Webster, 1993, p. 62.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
 Pragian

– Emsian species

Devonian, Pragian - late Emsian. Czech Republic, Bohemia

\**Gemmacrinus perplexus* Prokop and Petr, 1989a, p. 128, Pls. 1, 2; Figs. 1-4. Prokop  
 and Petr, 1990, p. 37, 38, Pl. 9, figs. 1-7. Webster, 1993, p. 62. Hauser, 2003, p.  
 31, Fig. 49.

Devonian, Pragian - late Emsian, Dvorce-Prokop Limestone; Lodenice Limestone;  
 Trebotov Limestone; Zlichov Limestone. Czech Republic, Bohemia

*Gemmacrinus* sp. Hotchkiss, Prokop, and Petr, 1999, p. 330, Fig. 2, nos. 7-9.

Devonian, Pragian, Trebotov Limestone. Czech Republic

Gen. et sp. nov. Donovan and Gilmour, 2003 = *Cefnocrinus sangilmouri*

Gen. nov. et sp. nov. ind. 4 Wanner, 1924 = *Dinocrinus(?) bicornutus* = *Calceolispongia*  
*bicornutus*

Gen. nov. et spec. nov. ind. 1 Wanner, 1916 = *Dinocrinus(?) horridus* = *Calceolispongia*  
*horrida*

Gen. nov. et spec. nov. ind. 1 Wanner, 1924 = *Dinocrinus(?) horridus* = *Calceolispongia horrida*

Generalized camerate crinoid Clement, Gibson, and Broadhead, 1987, p. 189, Fig. 2.

Generalized crinoid Boucot, 1990, p. 29, Fig. 18 (diagramatic).  
Pennsylvanian or Permian

**GENNAEOCRINUS** Wachsmuth and Springer, 1881. \**Actinocrinus kentuckiensis*  
Shumard, 1868.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Wachsmuth and Springer, 1881, p. 160 (334). Miller, S. A., 1889, p. 247.

Wachsmuth and Springer, 1897, p. 547. Grabau, 1899a, p. 141. Bather *in*

Lankester, 1900, p. 169. Wachsmuth *in* Zittel, 1900, p. 144. Grabau and

Shimer, 1910, p. 539. Springer, 1913, p. 195. Bassler, 1938, p. 101. Bassler

and Moodey, 1943, p. 484. Macurda, 1974, p. 823, Figs. 1-2. Webster, 1977, p.

89. Ubaghs *in* Moore and Teichert, 1978, p. T445. Webster, 1986, p. 153.

Webster, 1988, p. 88. Webster, 1993, p. 62.

Named, currently recognized species based on cups or crowns: 23 Devonian  
species, 2 subspecies. 1 Emsian?, 20 Givetian (+2 subspecies), 1 Famennian, 1  
Late Devonian undesignated

Devonian, Emsian (Coblentzian). Germany, Spain

Devonian, Givetian - Famennian. North America

*Gennaeocrinus arkonensis* Whiteaves, 1898, p. 373, Pl. 48, figs. 7-7a; Unnum. Fig.

Bassler and Moodey, 1943, p. 484. Kesling and Smith, 1962, p. 184. Kesling,  
1964c, p. 149. Webster, 1973, p. 134.

Devonian, Givetian, Arkona Beds. Canada, Ontario

*Gennaeocrinus calypso* (Hall, 1862) = *Corocrinus? calypso*

*Gennaeocrinus carinatus* Wood, E., 1901, p. 297, Pl. 5, figs. a-c; Unnum. Fig. Grabau

and Shimer, 1910, p. 540, Fig. 1870. Goldring, 1923, p. 219, Pl. 32, figs. 1-7.

Bassler and Moodey, 1943, p. 484. Moore and Laudon, 1943b, p. 139, Pl. 10,

fig. 9. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 23. Kesling and Smith, 1962,

p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 134.

Devonian, Givetian, Sellersburg Limestone; Ludlowville Shale; Moscow Shale.

United States, Indiana, New York, Ohio

*Gennaeocrinus carinatus crassicostatus* Goldring, 1923, p. 222, Pl. 32, fig. 8. Bassler

and Moodey, 1943, p. 484. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p.

148. Webster, 1973, p. 134.

Devonian, Givetian, Moscow Shale, Wanakah Shale. United States, New York

*Gennaeocrinus cassedayi* (Lyon, 1862) = *Aorocrinus cassedayi*

*Gennaeocrinus cauliculus* (Hall, 1862) = *Aorocrinus cauliculus*

*Gennaeocrinus chilmanae* Kesling, 1968a, p. 127, Pl. 1, figs. 1-6; Fig. 1. Webster, 1973, p. 134. Kesling and Chilman, 1975, p. 166, Pl. 50, figs. 1-4; Unnum. Fig. p. 166 (incorrectly listed as figs. 1-3, p. 166). Webster, 1986, p. 153.  
Devonian, Givetian, Silica Formation. United States, Michigan

*Gennaeocrinus comptus* Rowley, R. R., 1903a, p. 105, Pl. 33, figs. 1-3. Bassler and Moodey, 1943, p. 484. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 134.  
Devonian, Givetian, Sellersburg Limestone. United States, Indiana

*Gennaeocrinus comptus spiniferus* Rowley, R. R., 1903a, p. 107, Pl. 33, figs. 7-9. Bassler and Moodey, 1943, p. 484. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 134.  
Devonian, Givetian, Sellersburg Limestone. United States, Indiana

*Gennaeocrinus cornigerus* (Lyon and Casseday, 1859). Miller, 1889, p. 247.  
*Actinocrinus cornigerus* Lyon and Casseday, 1859, p. 238.  
Devonian, upper part. United States, Kentucky

*Gennaeocrinus decorus* Goldring, 1923, p. 223, Pl. 31, fig. 9. Bassler and Moodey, 1943, p. 484. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 149. Webster, 1973, p. 134.  
Devonian, Givetian. United States, New York

*Gennaeocrinus dulukae* Kesling, 1969a, p. 199, Pl. 1, figs. 1-5. Kesling and Chilman, 1975, p. 272, Pl. 23, figs. 10-11. Webster, 1977, p. 89. Webster, 1986, p. 153.  
Devonian, Givetian, Silica Formation. United States, Ohio

*Gennaeocrinus eucharis* (Hall, 1862). Miller, S. A., 1889, p. 247. Wachsmuth and Springer, 1897, p. 549, Pl. 34, fig. 14. Grabau, 1899a, p. 142, Fig. 23, nos. e-g. Grabau and Shimer, 1910, p. 540. Goldring, 1923, p. 212, Pls. 27-30. Bassler and Moodey, 1943, p. 484. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 22. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 134. Ubaghs *in* Moore and Teichert, 1978, p. T446, Fig. 253, no. 2d. Webster, 1986, p. 153. Brett *in* Hess et al., 1999 p. 124, Fig. 134.  
*Actinocrinus eucharis* Hall, 1862a, p. 102. Hall, 1862b, p. 150. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Bassler and Moodey, 1943, p. 484.  
Devonian, Givetian, Moscow Shale; Tichenor Limestone; Sellersburg Limestone. United States, New York, Kentucky

*Gennaeocrinus facetus* Rowley, R. R., 1903a, p. 99, Pl. 32, figs. 1-6. Bassler and Moodey, 1943, p. 485. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 134.  
*Dolatocrinus facetus* (Rowley, 1903). Abel, 1920, p. 264, Fig. 409 left.  
Devonian, Givetian, Sellersburg Limestone. United States, Indiana

- Gennaeocrinus? germanicus* Schmidt, W. E., 1942, p. 98, Pl. 10, figs. 1-2. Webster, 1973, p. 134. Breuer *et al.*, 1992, p. 62, Pl. 10, fig. 2.  
Devonian, Emsian? (Coblentzian), Stadtfeld Beds. Germany
- Gennaeocrinus goldringae* Ehlers, 1925, p. 101, Pl. 1, figs. 3-6. Bassler and Moodey, 1943, p. 485. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Kesling, 1965b, p. 267, Pls. 1, figs. 1-5; 2, figs. 1-6; Figs. 1-2. Webster, 1973, p. 134. Meyer and Ausich, 1983, p. 382, Fig. 1, no. d. Webster, 1988, p. 88.  
Devonian, Givetian, Traverse Group, Alpena Limestone, Bell Shale. United States, Michigan
- ?*Gennaeocrinus goldringae* Ehlers, 1925. Kesling, 1965b, p. 270, Pls. 1, figs. 6-22; 2, figs. 7-19; 3, figs. 1-78; 4, figs. 1-56; 5, figs. 1-72. Webster, 1973, p. 134.  
Devonian, Givetian, Bell Shale. United States, Michigan
- \**Gennaeocrinus kentuckiensis* (Shumard, 1868). Wachsmuth and Springer, 1881, p. 161 (335). Miller, S. A., 1889, p. 247. Wachsmuth and Springer, 1897, p. 548, Pl. 34, figs. 11-13. Rowley, 1903a, p. 108, Pl. 33, figs. 10-12. Grabau and Shimer, 1910, p. 540, Fig. 1869. Goldring, 1923, p. 208, Pl. 31, figs. 6-8. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 485. Goldring, 1948a, p. 1, Pl. 1. Kesling and Smith, 1962, p. 184. Kesling, 1964c, p. 148. Webster, 1973, p. 135. Ubaghs *in* Moore and Teichert, 1978, p. T445, Fig. 253, nos. 2a-2c. Webster, 1986, p. 153.  
*Actinocrinus kentuckiensis* Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Bassler and Moodey, 1943, p. 485.  
*Actinocrinus cornigerus* Lyon and Casseday, 1859, p. 238 (*non* Hall, 1858). Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 485.  
Devonian, Givetian, Sellersburg Limestone; Beechwood Limestone; Moscow Shale; Tully Limestone. United States, Kentucky, Indiana, New York
- Gennaeocrinus maxwelli* Johnson and Lane, 1969, p. 70, Pl. 14, figs. 5-7; Fig. 1, no. d. Webster, 1977, p. 89.  
Devonian, Emsian, McColley Canyon Formation. United States, Nevada
- Gennaeocrinus mourantae* Goldring, 1934, p. 188, Pl. 2, figs. 1-3. Bassler and Moodey, 1943, p. 485. Goldring, 1945, p. 60, Pl. 1, fig. 4. Goldring, 1954, p. 6, Pl. 1, figs. 1-5. Kesling and Smith, 1962, p. 185. Kesling, 1964c, p. 149. Webster, 1973, p. 135. Haugh, 1978, p. 161, Figs. 16, no. f; 17, no. l. Ubaghs *in* Moore and Teichert, 1978, p. T143, Fig. 114, no. 2. Webster, 1986, p. 153. Broadhead, 1987, p. 179. Webster, 1993, p. 63. Baumiller and Gahn, 2004, p. 1454, Fig. 1, no. B.  
Devonian, Givetian, Arkona Shale; Ludlowville Shale; Widder Formation. Canada, Ontario
- Gennaeocrinus nyassa* (Hall, 1862) = *Gennaeocrinus nyssa*

- Gennaeocrinus nyssa* (Hall, 1862). Wachsmuth and Springer, 1881, p. 161 (335).  
Miller, S. A., 1889, p. 247. Grabau, 1899a, p. 141, Fig. 23, nos. a-d. Goldring,  
1923, p. 216, Pl. 31, figs. 1-5. Bassler and Moodey, 1943, p. 485. Goldring,  
1950, p. 34, Pl. 2, fig. 11. Kesling and Smith, 1962, p. 185. Webster, 1973, p.  
135.  
*Actinocrinus nyssa* Hall, 1862a, p. 101. Hall, 1862b, p. 129. Shumard, 1868, p. 346.  
Miller, S. A., 1889, p. 219. Bassler and Moodey, 1943, p. 485.  
*Gennaeocrinus nyassa* (Hall, 1862). Kesling, 1964c, p. 148.  
Devonian, Givetian, Moscow Shale; Sellersburg Limestone; Wanakah Shale,  
Kashong Member. United States, New York, Indiana
- Gennaeocrinus* sp. cf. *G. nyssa* (Hall, 1862). Breimer, 1962a, p. 69. Webster, 1973, p.  
135.  
Devonian. Spain
- Gennaeocrinus perculiaris* Goldring, 1923, p. 225, Pl. 31, fig. 10. Bassler and Moodey,  
1943, p. 485. Kesling and Smith, 1962, p. 185. Kesling, 1964c, p. 148.  
Webster, 1973, p. 135.  
Devonian, Givetian, Moscow Shale. United States, New York
- Gennaeocrinus percarinatus* Goldring, 1935c, p. 832, Pl. 58, figs. 12, 15. Bassler and  
Moodey, 1943, p. 485. Kesling and Smith, 1962, p. 185. Webster, 1973, p. 135.  
Devonian, Givetian, Tulley Limestone, Westbrook Member. United States, New  
York
- Gennaeocrinus pocillum* (Hall, 1862) = *Megistocrinus depressus*
- Gennaeocrinus romingeri* Kesling, 1964c, p. 144, Pl. 1, figs. 1-8; Fig. 1. Webster,  
1973,  
p. 135.  
Devonian, Givetian, Thunder Bay Limestone. United States, Michigan
- Gennaeocrinus sculptus* Rowley, R. R., 1903a, p. 107, Pl. 33, figs. 4-6. Bassler and  
Moodey, 1943, p. 485. Kesling and Smith, 1962, p. 185. Webster, 1973, p. 135.  
Devonian, Givetian, Sellersburg Limestone. United States, Indiana
- Gennaeocrinus seversoni* Laudon, 1973a, p. 447, Pl. 1, figs. 1-3; Fig. 1, nos. A-E.  
Webster, 1977, p. 89.  
Devonian, Fammenian, Sappington Formation. United States, Montana
- Gennaeocrinus similis* Goldring, 1935b, p. 358, Pl. 26, figs. 7-8. Goldring, 1938, p. 78,  
Fig. 23, nos. 1-2. Bassler and Moodey, 1943, p. 485. Kesling and Smith, 1962, p.  
185. Webster, 1973, p. 135.  
Devonian, Givetian, lower? part of Moscow Shale; Ludlowville Shale; Wanakah  
Shale. United States, New York

*Gennaeocrinus simulans* Rowley, R. R., 1904b, p. 183, Pl. 54, figs. 9-11. Bassler and Moodey, 1943, p. 485. Kesling and Smith, 1962, p. 185. Webster, 1973, p. 135. Devonian, Givetian, Sellersburg Limestone. United States, Indiana

*Gennaeocrinus trijugis* (Miller, 1891) = *Blairocrinus trijugis*

*Gennaeocrinus variabilis* Kesling and Smith, 1962, p. 174, Pls. 1-9; Figs. 1-2. Kesling, 1964c, p. 149. Webster, 1973, p. 135. Baumiller and Gahn, 2002, p. 202, Fig. 2, no. 4. Gahn and Baumiller, 2003, p. 74, Fig. 2. Baumiller et al. *In* Ausich and Webster, 2008, p. 14, Fig. 1.9. Devonian, Givetian, Bell Shale. United States, Michigan

*Gennaeocrinus* spp.

Fraunfelter, 1965, p. 204, Fig. 1. Webster, 1973, p. 135.

Devonian, Bradfordian, Glen Park Formation. United States, Missouri

Hoskins, Inners, and Harper, 1983, p. 37, Fig. Pl. 11.

Devonian, no locality given

Genre indéterminé Waagen and Jahn, 1899 = Crinoidearum ordo, fam. gen et sp. ind.

Genus and species indet. Lane, Maples, and Waters, 2001a, p. 1073, Pl. 6, fig. 3.

(Family Cercidocrinidae)

*Coeliocrinus* n. sp. Whidborne, 1898. Lane, Maples, and Waters, 2001a, p. 1073.

*Coeliocrinus?* sp. Whidborne; Schmidt, 1930. Lane, Maples, and Waters, 2001a, p. 1073.

Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

Genus and species indeterminate Lane, Waters, and Maples, 1997, p. 26.

?*Cestocrinus* sp. Hou, *et al.*, 1994. Lane, Waters, and Maples, 1997, p. 26.

Inadunate crinoid Lane, *et al.*, 1995. Lane, Waters, and Maples, 1997, p. 26.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region

Genus and species indeterminate Strimple and Watkins, 1969, p. 169, Pl. 32, fig. 5 (inadunate crown). Webster, 1977, p. 180.

Pennsylvanian, Morrowan? Marble Falls Formation. United States, Texas

Genus and Species Uncertain Lane, Maples, and Waters, 2001b, p. 242, Fig. 5, no. A.

Devonian, Famennian, Etroeungt. Germany

Genus and species unknown Lane and Sevastopulo, 1986, p. 742, Fig. 2, nos. 6-7.

Webster, 1993, p. 63.

Mississippian, Tournaisian (Kinderhookian), McCraney Limestone. United States, Illinois

Genus and species unknown, species A Lane and Webster, 1966 = *Ekteinocrinus battleshipensis*



Genus and species unknown, Species A Webster and Lane, 1967, p. 12, Fig. 4, no. 2 (part of one ray, basals to brachs). Webster, 1973, p. 274.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Genus and species unknown, Species A Webster and Lane, 1970, p. 280, Pl. 56, fig. 16; Fig. 3 (partial crown, flexible). Webster, 1977, p. 181.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

Genus and species unknown, Species A Webster and Lane, 1970, p. 288, Pl. 56, fig. 12 (partial crown, inadunate). Webster, 1977, p. 181.

Pennsylvanian, Desmoinesian, Bird Spring Formation. United States, Nevada

Genus and species unknown, Species B Lane and Webster, 1966, p. 57, Pl. 9, fig. 8 (set of arms). Webster, 1973, p. 274.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Genus and species unknown, species B Webster and Lane, 1967 = *Allosocrinus* sp.

Genus unknown, Species C Webster and Lane, 1967, p. 22, Pl. 4, figs. 10-11 (crown). Webster, 1973, p. 274.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*GEOCRINUS* d'Orbigny, 1849 = ***PERIECHOCRINITES***

*Geocrinus moniliformis* Phillips, 1839 = *Periechocrinites moniliformis* = *Periechocrinus moniliformis*

***GERAOCRINUS*** Ulrich in Foerste, 1925. \**G. sculptus* Ulrich in Foerste, 1925.

Sbc. Disparida, O. Homocrinida, F. Columbocrinidae

Ulrich in Foerste, 1925, p. 92. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 485. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Webster, 1973,

p. 135. Brower and Veinus, 1974, p. 21. Moore and Lane in Moore and Teichert, 1978, p. T555. Webster, 1986, p. 153. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian (Chazyan). United States

\**Geraocrinus sculptus* Ulrich in Foerste, 1925, p. 92, Fig. 9. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 486. Brower and Veinus, 1974, p. 22, Fig. 2. Moore and Lane in Moore and Teichert, 1978, p. T555, Fig. 349, no. 2. Webster, 1986, p. 154.

Ordovician, Sandbian (late Chazyan), Ottosee Shale or Sevier Formation. United States, Tennessee

**GEROLDICRINUS** Jaekel, 1918. \**Lecanocrinus roemeri* Schultze, 1867.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Lecanocrinidae

Jaekel, 1918, p. 80. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 486. Moore and Laudon, 1943b, p. 76. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 135. Webster, 1977, p. 89. Frest and Strimple, 1978c, p. 527. Moore *in* Moore and Teichert, 1978, p. T777, figs. 507, no. 1d. Strimple and Pareyn, 1982, p. 228. Webster, 1986, p. 154. Webster, 1988, p. 88. Hauser, 1997, p. 118, Fig. 36. Hauser, 2001, p. 70, Fig. 55. Hauser, 2008, p. 36, Fig. 84.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Geroldicrinus roemeri* (Schultze, 1867). Jaekel, 1918, p. 80. Bassler and Moodey, 1943, p. 486. Webster, 1977, p. 89. Moore *in* Moore and Teichert, 1978, p. T777, Figs. 517, no. 4; 518, no. 2. McIntosh, 1981b, p. 963. Strimple and Pareyn, 1982, p. 228. Webster, 1988, p. 88. Hauser, 1997, Pl. 55, figs. 4, 6. Hauser, 2001, p. 23, 70, Pl. 2, figs. 1-2; Fig. 56, nos. 8-8b. Hauser, 2008, p. 36, Pls. 1, fig. 1; 3, fig. 7; Figs. 83, 85.

*Geroldicrinus roemeri* (Schultze, 1867). Webster, 1986, p. 154.

*Lecanocrinus roemeri* Schultze, 1866, p. 41 (adv. pub.). Schultze, 1867, p. 153, Pl. 3, figs. 8a-8g. Springer, 1920a, p. 141, Pl. 3, figs. 30-32. Bassler, 1938, p. 102. Wanner, 1943, Unnum. Fig. p. 35. Bassler and Moodey, 1943, p. 486. Webster, 1977, p. 89.

Devonian, Eifelian, ?Freilingen Formation, ?Ahabach Formation. Germany

*Geroldicrinus* aff. *roemeri* (Schultze, 1867). Hauser, 1997, Pl. 56, figs. 1-2.

Devonian, stage and horizon not given. Germany

*Geroldicrinus roemeri* (Schultze, 1867) = *Geroldicrinus roemeri*

*Geroldicrinus* sp. Jell, 1999a, p. 108, Fig. 84, nos. C-D.

Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

?*Geroldicrinus* sp. Hauser, 1997, Pl. 55, fig. 5.

Devonian, stage and horizon not given. Germany

**GILBERTOCRINUS** d'Orbigny, 1849-51 = **GILBERTSOCRINUS**

**GILBERTSOCRINITES** Troost, 1850 = **GILBERTSOCRINUS**

*Gilbertsocrinites americanus* Troost, 1850 = *Diabolocrinus vesperalis*

*Gilbertsocrinites? dubius* Troost *in* Wood, 1909 = *Periechocrinites dubius* = *Periechocrinus dubius*

*Gilbertsocrinites roemeri* Troost, 1850 = *Dimerocrinus roemeri* = *Dimerocrinites roemeri*

**GILBERTSOCRINUS** Phillips, 1836. \**G. calcaratus* Phillips, 1836.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Phillips, 1836, p. 257. Bronn, 1848, p. 530. d'Orbigny, 1850, p. 155. Meek and  
 Worthen, 1866, p. 217. Wachsmuth and Springer, 1897, p. 233. Bather *in*  
 Lankester, 1900, p. 201. Grabau and Shimer, 1910, p. 551. Springer *in* Zittel,  
 1913, p. 188. Goldring, 1936, p. 15. Bassler, 1938, p. 102. Bassler and  
 Moodey, 1943, p. 486. Moore and Laudon, 1943b, p. 8. Moore and Laudon,  
 1944, p. 185, Pl. 70, fig. 4. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 737. Van Sant  
*in* Van Sant and Lane, 1964, p. 104. Arendt and Hecker, 1964, p. 95. Moore and  
 Jeffords, 1968, p. 16, Fig. 5, no. 3. Lane, N. G., 1973, p. 77, Fig. 19. Webster,  
 1973, p. 135. Webster, 1977, p. 89. Ubaghs *in* Moore and Teichert, 1978, p.  
 T427. Westhead, 1978, Fig. 6, no. a. Pidal, 1984, p. 138. Smith, A. B., 1985, p.  
 168. Webster, 1986, p. 154. Lane and Sevastopulo, 1987, p. 199. Webster,  
 1988,  
 p. 88. Chen and Yao, 1993, p. 22. Webster, 1993, p. 63. Donovan and Lewis,  
 2003, p. 1. Lee, Ausich, and Kammer, 2005, p. 340.

**GILBERTSOCRINITES** Bronn, 1848, p. 530. Troost, 1850a, p. 61. Troost, 1850b, p.  
 419. Bassler, 1938, p. 102.

**GILBERTOCRINUS** d'Orbigny, 1849-51, p. 142.

**GONIASTEROIDOCRINUS** Lyon and Casseday, 1859, p. 233. \**G. tuberosus* Lyon  
 and Casseday, 1859. Meek and Worthen, 1866a, p. 219. Shumard, 1868, p.  
 374. Zittel, 1880, p. 376. Miller, S. A., 1889, p. 249. Bassler, 1938, p. 105.  
 Bassler and Moodey, 1943, p. 486. Ubaghs *in* Moore and Teichert, 1978, p.  
 T427.

**GONIASTROIDOCRINUS** Marschall, 1873, p. 400. Bassler, 1938, p. 105. Bassler  
 and Moodey, 1943, p. 486. Ubaghs *in* Moore and Teichert, 1978, p. T427.

**OLLACRINUS** Cumberland, 1826, appendix. Zittel, 1880, p. 345, 375. Wachsmuth  
 and Springer, 1881, p. 184 (358). Miller, S. A., 1889, p. 264. Zittel, 1895, p.  
 131. Koken, 1896, p. 283. Wachsmuth *in* Zittel, 1900, p. 146. Bassler, 1938, p.  
 140. Bassler and Moodey, 1943, p. 486. Ubaghs *in* Moore and Teichert, 1978,  
 p. T427.

**OLLACRINITES** Blainville, 1834, p. 659. Bassler, 1938, p. 140. Bassler and  
 Moodey, 1943, p. 486. Ubaghs *in* Moore and Teichert, 1978, p. T427.

**TREMATOCRINUS** Hall, 1859a, p. 70. \**T. typus* Hall, 1859. Miller, S. A., 1889, p.  
 287. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 486. Ubaghs *in* Moore  
 and Teichert, 1978, p. T427.

Named, currently recognized species based on cups or crowns: 30 species. 8  
 Devonian, 8 Givetian; 22 Mississippian, 9 Tournaisian, 12 Viséan, 1 series  
 uncertain

?Middle Devonian, Givetian, Mississippian, Viséan (Osagean). North America;  
 Mississippian, Tournaisian. Europe  
 Mississippian. China, Yunnan

*Gilbertsocrinus abnormis* McCoy, 1844 = *Rhodocrinites abnormis*

- Gilbertsocrinus alpenensis* Ehlers, 1925, p. 99, Pl. 1, figs. 1-2. Bassler and Moodey, 1943, p. 486. Kier, 1952, p. 70, Pl. 4, figs. 14-16. Fini, 1973, p. 1. Webster, 1973, p. 135. Kesling and Chilman, 1975, p. 165, Pl. 126, figs. 13-15. Webster, 1986, p. 154.  
Devonian, Givetian, Traverse Group, Alpena Limestone; Silica Formation, Bell Shale Member; Ludlowville Shale. United States, Michigan, New York, Ohio
- Gilbertsocrinus bairstowi* Wright, J., 1958, p. 326, Pl. 78, figs. 8-10, 12-13. Webster, 1973, p. 135. Westhead, 1978, p. 483.  
Mississippian, Tournaisian. United Kingdom
- Gilbertsocrinus bollandensis* Wright, J., 1958, p. 324, Pls. 76, figs. 12, 16-18; 77, figs. 9-10, 15, 21 (*non* Pl. 77, fig. 16, typographical error). Webster, 1973, p. 136. Westhead, 1978, p. 483.  
Mississippian, Tournaisian. United Kingdom, Scotland
- Gilbertsocrinus bursa* Phillips, 1836, p. 207, Pl. 4, figs. 24-25. Bronn, 1848, p. 530. d'Orbigny, 1850, p. 155. Meek and Worthen, 1866a, p. 217, Fig. 17. Miller, S. A., 1889, p. 249, Fig. 320. Bassler and Moodey, 1943, p. 486. Wright, J., 1958, p. 322, Pl. 77, figs. 1-4. Webster, 1973, p. 136. Smith, A. B., 1985, p. 168, Pl. 7.4.11. Webster, 1988, p. 88.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom
- \**Gilbertsocrinus calcaratus* Phillips, 1836, p. 207, Pl. 4, fig. 22. Bronn, 1848, p. 530. d'Orbigny, 1850, p. 155. Meek and Worthen, 1866a, p. 217, Fig. 18. Miller, S. A., 1889, p. 250, Fig. 322. Wachsmuth and Springer, 1897, p. 236, Pl. 15, fig. 5. Bather *in* Lankester, 1900, p. 201, Fig. 127, no. 3. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 486. Wright, J., 1958, p. 318, Pls. 77, figs. 17, 23-24; 78, figs. 14-16 (*non* Pl. 68, figs. 14-16, typographical error). Webster, 1973, p. 136. Ubaghs *in* Moore and Teichert, 1978, p. T427, Fig. 236, nos. 1a-1c. Westhead, 1978, p. 483. Webster, 1986, p. 154.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom
- Gilbertsocrinus cf. calcaratus* Phillips; Chen and Yaom 1993 = *Gilbertsocrinus* sp.
- Gilbertsocrinus compactus* Wright, J., 1958, p. 323, Pl. 78, figs. 11, 19-21. Webster, 1973, p. 136. Westhead, 1978, p. 483.  
Mississippian, Tournaisian. United Kingdom, Scotland
- Gilbertsocrinus coplowensis* Wright, J., 1958, p. 325, Pl. 76, figs. 7-8. Webster, 1973, p. 136. Westhead, 1978, p. 483.  
Mississippian, Tournaisian. United Kingdom, Scotland
- Gilbertsocrinus dispansus* Wachsmuth and Springer, 1897, p. 240, Pl. 15, figs. 2a-2d. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 286. Springer, 1926, p. 38, Pl. 10, fig. 1. Bassler and Moodey, 1943, p. 486. Van Sant *in* Van Sant and Lane, 1964, p. 105. Webster, 1973, p. 136.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

- Gilbertsocrinus faberi* (Miller and Gurley, 1896). Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487.  
*Goniasteroidocrinus faberi* Miller and Gurley, 1896, p. 84, Pl. 5, figs. 2-3. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487. Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Missouri
- Gilbertsocrinus fiscellus* (Meek and Worthen, 1860). Wachsmuth and Springer, 1897, p. 245, Pl. 17, figs. 2a-2d. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487. Moore and Laudon, 1944, p. 187, Pl. 73, fig. 4. Webster, 1973, p. 136.  
*Trematocrinus fiscellus* Meek and Worthen, 1860, p. 383. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487.  
*Gilbertsocrinus (Goniasteroidocrinus) fiscellus* (Meek and Worthen, 1860). Meek and Worthen, 1866a, p. 222, Pl. 15, fig. 5: Fig. 20. Bassler and Moodey, 1943, p. 487.  
*Goniasteroidocrinus fiscellus* (Meek and Worthen, 1860). Shumard, 1868, p. 373. Miller, S. A., 1889, p. 250. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Gilbertsocrinus (Goniasteroidocrinus) fiscellus* Meek and Worthen, 1866 = *Gilbertsocrinus fiscellus*
- Gilbertsocrinus globosus* Wright, J., 1958, p. 325, Pl. 76, figs. 22-25. Webster, 1973, p. 136. Westhead, 1978, p. 483. Mississippian, Tournaisian. United Kingdom, Scotland
- Gilbertsocrinus greenei* Miller and Gurley, 1895a, p. 35, Pl. 3, figs. 13-15. Miller, S. A., 1897, p. 746, Fig. 1358. Goldring, 1934, p. 185, Pl. 1, figs. 1-4 (5-7 n. var.?). Bassler and Moodey, 1943, p. 487. Devonian, Givetian, Sellersburg Limestone, Wanakah Shale. United States, Indiana, New York
- Gilbertsocrinus indianensis* Miller and Gurley, 1895 = *Gilbertsocrinus spinigerus*
- Gilbertsocrinus intersculptus* Goldring, 1936, p. 15, Pl. 6, figs. 1-6. Bassler and Moodey, 1943, p. 487. Devonian, Givetian, Skaneateles Shale, Berwyn Member. United States, New York
- Gilbertsocrinus koninckii* Grenfell, 1876, p. 467, Pl. 7, figs. 11-13. Bassler and Moodey, 1943, p. 487. Wright, J., 1958, p. 321, Pl. 76, fig. 10; 77, figs. 6, 8, 11-14, 16, 18, 25; 78, figs. 5-6; Fig. 132. White, E., 1964, p. 174, Pl. 61, fig. 2. Webster, 1973, p. 136. Webster, 1977, p. 89. Westhead, 1978, p. 483. Donovan, 1992c, p. 42, Fig. 7, nos. D-F. Mississippian, Tournaisian, Lower Limestone Shale. United Kingdom, Scotland

- Gilbertsocrinus koninckii?* Grenfell, 1876. Wright, J., 1958, p. 321, Pl. 77, figs. 5, 19-20. Webster, 1973, p. 136.  
Mississippian, Tournaisian. United Kingdom, Scotland
- Gilbertsocrinus lyonanus* (Miller and Gurley, 1893). Weller, S., 1898c, p. 286. Bather in Lankester, 1900, p. 201, Fig. 127, no. 1. Delage and Herouard, 1903, p. 386, Fig. 476. Bassler and Moodey, 1943, p. 487.  
*Goniasteroidocrinus lyonanus* Miller and Gurley, 1893, p. 55, Pl. 4, fig. 4. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Indiana
- Gilbertsocrinus mammillaris* Phillips, 1836, p. 207, Pl. 4, fig. 23. Bronn, 1848, p. 530. d'Orbigny, 1850, p. 155. Bassler and Moodey, 1943, p. 487. Wright, J., 1958, p. 319, Pls. 76, fig. 21; 77, figs. 7, 22; 78, figs. 1-4, 7, 17-18. Webster, 1973, p. 136.  
Westhead, 1978, p. 483. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 1.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom
- Gilbertsocrinus multicalcaratus* Goldring, 1935b, p. 352, Pl. 26, figs. 5-6. Bassler and Moodey, 1943, p. 487. Goldring, 1945, p. 60. Webster, 1973, p. 136.  
Devonian, Givetian, Moscow Shale. United States, New York
- Gilbertsocrinus obovatus* Meek and Worthen, 1869. Wachsmuth and Springer, 1897, p. 241, Pl. 17, figs. 4a-4b. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487.  
*Gilbertsocrinus (Goniasteroidocrinus) obovatus* Meek and Worthen, 1869a, p. 76. Meek and Worthen, 1873, p. 391, Pl. 4, fig. 6. Weller, S., 1898c, p. 286. Bassler and Moodey, 1943, p. 487.  
*Goniasteroidocrinus obovatus* Meek and Worthen, 1869. Miller, S. A., 1889, p. 250.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Illinois
- Gilbertsocrinus (Goniasteroidocrinus) obovatus* Meek and Worthen, 1869 =  
*Gilbertsocrinus obovatus*
- Gilbertsocrinus ohioensis* Stewart, 1940, p. 54, Pl. 1, figs. 1-4. Bassler and Moodey, 1943, p. 487. Kier, 1952, p. 71, Pl. 4, figs. 4-7. La Rocque and Marple, 1955, p. 94, Fig. 234. Fini, 1973, p. 1. Webster, 1973, p. 136. Kesling and Chilman, 1975, p. 165, Pls. 15; 126, figs. 4-12. Webster, 1986, p. 154. Ausich, 1996b, p. 248, Fig. 17-6, nos. 1, 16-17.  
Devonian, Givetian, Silica Shale. United States, Ohio
- Gilbertsocrinus (Goniasteroidocrinus) papillatus* (Hall, 1859) = *Gilbertsocrinus typus*

- Gilbertsocrinus rarispinus* Goldring, 1936, p. 17, Pl. 6, fig. 11. Bassler and Moodey, 1943, p. 487.  
Devonian, Givetian, Moscow Shale. United States, New York
- Gilbertsocrinus reticulatus* (Hall, 1861). Wachsmuth and Springer, 1897, p. 244, Pl. 17, figs. 1a-1b. Weller, S., 1898c, p. 287. Bassler and Moodey, 1943, p. 487.  
*Trematocrinus reticulatus* Hall, 1861a, p. 325. Hall, 1861b, p. 9. Hall, 1861c, p. 325. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Weller, S., 1898c, p. 287. Bassler and Moodey, 1943, p. 487.  
*Goniasteroidocrinus reticulatus* (Hall, 1861). Shumard, 1868, p. 374. Miller, S. A., 1889, p. 250.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Gilbertsocrinus (Goniasteroidocrinus) reticulatus* (Hall, 1859), Meek, 1865 = *Gilbertsocrinus typus*
- Gilbertsocrinus robustus* (Hall, 1859). Van Sant in Van Sant and Lane, 1964, p. 105. Webster, 1973, p. 136.  
*Trematocrinus robustus* Hall, 1859a, p. 77, Unnum. Fig. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Weller, 1898c, p. 287. Bassler and Moodey, 1943, p. 488. Van Sant in Van Sant and Lane, 1964, p. 105. Webster, 1973, p. 136.  
*Gilbertsocrinus (Goniasteroidocrinus) robustus* (Hall, 1859). Meek, 1865. Shumard, 1868, p. 374.  
*Goniasteroidocrinus robustus* (Hall, 1859). Shumard, 1868, p. 374. Miller, S. A., 1889, p. 250.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa
- Gilbertsocrinus (Goniasteroidocrinus) robustus* (Hall, 1859) = *Gilbertsocrinus robustus*
- Gilbertsocrinus simplex* Gilbertson in Portlock, 1843, p. 351, Pl. 16, figs. 5a-5b (not fig. 15 as given p. 351). Bronn, 1848, p.1. Bassler and Moodey, 1943, p. 488. Wright, J., 1958, p. 326, Pl. 76, fig. 9. Webster, 1973, p. 136.  
*Girvanella* encrusting corals and Encrinital columns Smith, S., 1910, Pl. 3, fig. 2. Mississippian. Ireland; United Kingdom
- Gilbertsocrinus spinigerus* (Hall, 1862). Whitfield, 1891, p. 553, Pl. 11, fig. 12. Whitfield, 1893a, p. 447, Pl. 7, fig. 12. Grabau and Shimer, 1910, p. 551, Fig. 1881. Wachsmuth and Springer, 1897, p. 247, Pl. 15, figs. 3a-3c. Bassler and Moodey, 1943, p. 488. Moore and Laudon, 1944, p. 187, Pl. 73, fig. 5. Goldring, 1950, p. 35, Pl. 2, figs.12-14. Webster, 1973, p. 136.  
*Trematocrinus spinigerus* Hall, 1862a, p. 100. Hall, 1862b, p. 128. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Miller, S. A., 1897, p. 746. Bassler and Moodey, 1943, p. 488.  
*Gilbertsocrinus spinigerus* var. Goldring, 1923, p. 96, Pl. 3, figs. 1-6. Goldring, 1939c, p. 81, Fig. 23, nos. 3-5. Bassler and Moodey, 1943, p. 488.  
*Gilbertsocrinus (Trematocrinus) spinigerus* (Hall, 1862). Hall, 1872, Pl. 1-A, fig. 9. Bassler and Moodey, 1943, p. 488.

*Gilbertsocrinus (Goniasteroidocrinus) spinigerus* (Hall, 1862). Meek, 1865.  
Shumard, 1868, p. 374.

*Goniasteroidocrinus spinigerus* (Hall, 1862). Shumard, 1868, p. 374. Miller, S. A.,  
1889, p. 250. Miller, S. A., 1897, p. 746.

*Gilbertsocrinus indianensis* Miller and Gurley, 1895a, p. 38, Pl. 3, figs. 16-22. Miller,  
S. A., 1897, p. 746. Bassler and Moodey, 1943, p. 488.

Devonian, Givetian, Tichenor Limestone, Wanakah Shale, Sellersburg Limestone,  
Moscow Shale, Widder Beds; Ludlowville Shale. United States, New York,  
Indiana, Ohio; Canada, Ontario

*Gilbertsocrinus spinigerus* var. Goldring, 1923 = *Gilbertsocrinus spinigerus*

*Gilbertsocrinus (Goniasteroidocrinus) spinigerus* (Hall, 1862) = *Gilbertsocrinus  
spinigerus*

*Gilbertsocrinus (Trematocrinus) spinigerus* Hall, 1872 = *Gilbertsocrinus spinigerus*

*Gilbertsocrinus spinodosus* Goldring, 1935b, p. 350, Pl. 26, figs. 2-4. Bassler and  
Moodey, 1943, p. 488.

Devonian, Givetian, Ludlowville Shale, Tichenor Limestone. United States, New  
York

*Gilbertsocrinus stellaris* (de Koninck and Le Hon, 1854). Wachsmuth and Springer,  
1897, p. 220, Pl. 15, fig. 4. Bassler and Moodey, 1943, p. 488.

*Rhodocrinus stellaris* de Koninck and Le Hon, 1854, p. 109, Pl. 1, figs. 14a-14c.  
Bassler and Moodey, 1943, p. 488.

*Encrinus* sp. Cumberland, 1819, p. 91, Pl. 4, figs. 8-11. Bassler and Moodey, 1943,  
p. 488.

Mississippian, Tournaisian, Mountain Limestone. Belgium; United Kingdom

*Gilbertsocrinus tenuiradiatus* Meek and Worthen, 1869. Miller, S. A., 1889, p. 250.

Wachsmuth and Springer, 1897, p. 246, Pl. 17, fig. 3. Weller, S., 1898c, p. 287.  
Bassler and Moodey, 1943, p. 488.

*Gilbertsocrinus (Goniasteroidocrinus) tenuiradiatus* Meek and Worthen, 1869a, p.  
75. Meek and Worthen, 1873, p. 389, Pl. 11, fig. 1. Weller, S., 1898c, p. 287.

Bassler and Moodey, 1943, p. 488.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Iowa

*Gilbertsocrinus (Goniasteroidocrinus) tenuiradiatus* Meek and Worthen, 1869 = *G.  
tenuiradiatus*

*Gilbertsocrinus tuberculosus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 243, Pl.  
17, figs. 5a-5e. Weller, S., 1898c, p. 287. Bather in Lankester, 1900, p. 201,  
Fig. 127, no. 2. Bassler and Moodey, 1943, p. 488. Haugh, 1973a, p. 86, Pl. 2,  
fig. 7. Webster, 1977, p. 89. Ubaghs in Moore and Teichert, 1978, p. T197, Fig.  
166, no. 3. Lane and Dubar, 1983, p. 115, Fig. 3, no. K. Webster, 1986, p. 154.  
Riddle, Wulff, and Ausich, 1988, p. 647, Fig. 8. Webster, 1988, p. 88.



*Trematocrinus tuberculosus* Hall, 1859a, p. 75. Shumard, 1868, p. 374. Bassler and Moodey, 1943, p. 488.

*Trematocrinus tuberculatus* Hall, 1859. Miller, S. A., 1889, p. 287 (sic). Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Borden Formation, Nada Member; Edwardsville Formation. United States, Iowa, Missouri, Kentucky

*Gilbertsocrinus tuberculosus?* (Hall, 1859). Lee, Ausich, and Kammer, 2005, p. 340. Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Gilbertsocrinus (Ollacrinus) tuberculosus* (Lyon and Casseday, 1859) = *Gilbertsocrinus tuberosus*

*Gilbertsocrinus tuberosus* (Lyon and Casseday, 1859). Wachsmuth and Springer, 1897, p. 239, Pls. 15, figs. 1a-1b; 16, figs. 1-6; 17, fig. 6. Weller, S., 1898c, p. 287. Grabau and Shimer, 1910, p. 552. Ehrenberg, 1929, p. 30, Fig. 20. Bassler and Moodey, 1943, p. 488. Moore and Laudon, 1944, p. 187, Pl. 73, figs. 1-2. Cuénot, 1948, p. 69, Fig. 92. Ubaghs, 1953, p. 737, Fig. 57. Lane, N. G., 1963c, p. 1004, Pl. 128, fig. 1. Van Sant *in* Van Sant and Lane, 1964, p. 105, Pl. 8, figs. 10, 12, 14-15; Figs. 20, no. 5; 35. Haugh, 1973a, p. 86, Pl. 1, fig. 12. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 136. Webster, 1977, p. 89. Ubaghs *in* Moore and Teichert, 1978, p. T156, T427, Figs. 129, no. 4; 236, nos. 1d-1f. Webster, 1986, p. 154. Riddle, Wulff, and Ausich, 1988, p. 647, Fig. 8. Webster, 1993, p. 63. Baumiller and Ausich, 1996, p. 54, Fig. 9, nos. C, G. Ausich *in* Hess et al., 1999 p. 150, Figs. 159-160. Hollis and Ausich, 2008, p. 135, Fig. 1.

*Goniasteroidocrinus tuberosus* Lyon and Casseday, 1859, p. 233. Shumard, 1868, p. 474. Meek and Worthen, 1869b, p. 435. Quenstedt, 1885, p. 960, Pl. 77, fig. 14. Miller, S. A., 1889, p. 250, Fig. 321, nos. A-D. Miller, S. A., 1892a, p. 679, Fig. 1234. Miller, S. A., 1892b, p. 661, Pl. 9, fig. 11. Miller, S. A., 1892c, p. 51. Weller, S., 1898c, p. 287. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 488.

*Trematocrinus tuberosus* (Lyon and Casseday, 1859). Shumard, 1868, p. 374.

*Gilbertsocrinus (Goniasteroidocrinus) tuberosus* (Lyon and Casseday, 1859). Shumard, 1868, p. 374.

*Gilbertsocrinus (Ollacrinus) tuberculosus* (Lyon and Casseday, 1859). Delage and Herouard, 1903, p. 386, Fig. 477.

*Ollacrinus tuberosus* (Lyon and Casseday, 1859). Keyes, 1888, p. 234, Pl. 1, fig. 3. Lesley, 1889, p. 494, Fig. 3.

Mississippian, Viséan (Osagean), Edwardsville Formation, Keokuk Limestone, Ft. Payne Chert. United States, Indiana, Iowa, Kentucky

*Gilbertsocrinus (Goniasteroidocrinus) tuberosus* (Lyon and Casseday, 1859) = *Gilbertsocrinus tuberosus*

- Gilbertsocrinus typus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 242, Pls. 14, figs. 1-3; 17, figs. 7a-7b. Weller, S., 1898c, p. 287. Bather *in* Lankester, 1900, p. 201, Fig. 127, no. 4. Grabau and Shimer, 1910, p. 551. Bassler and Moodey, 1943, p. 489. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 9. Moore and Laudon, 1944, p. 187, Pl. 73, fig. 3. Webster, 1973, p. 137.
- Trematocrinus typus* Hall, 1859a, p. 73, Unnum. Fig. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Weller, S., 1898c, p. 287. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 489.
- Goniasteroidocrinus typus* (Hall, 1859). Meek and Worthen, 1869b, p. 436. Miller, S. A., 1889, p. 250. Miller, S. A., 1897, p. 746.
- Gilbertsocrinus (Trematocrinus) typus* (Hall, 1859). Hall, 1872c, Pl. 6, fig. 13. Weller, S., 1898c, p. 288. Bassler and Moodey, 1943, p. 489.
- Ollacrinus typus* (Hall, 1859). Wachsmuth and Springer, 1878, p. 262. Weller, S., 1898c, p. 288.
- Gilbertsocrinus (Goniasteroidocrinus) reticulatus* (Hall, 1859), Meek, 1865. Shumard, 1868, p. 374.
- Goniasteroidocrinus reticulatus* (Hall, 1859). Shumard, 1868, p. 374.
- Trematocrinus papillatus* Hall, 1859, p. 76. Shumard, 1868, p. 374. Miller, S. A., 1889, p. 287. Bassler and Moodey, 1943, p. 489.
- Gilbertsocrinus (Goniasteroidocrinus) papillatus* (Hall, 1859). Meek, 1865. Shumard, 1868, p. 374.
- Goniasteroidocrinus papillatus* (Hall, 1859). Shumard, 1868, p. 374. Miller, S. A., 1889, p. 250.
- Ollacrinus papillatus* (Hall, 1859). Wachsmuth and Springer, 1878, p. 263. Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Burlington-Keokuk transition beds. United States, Iowa, Missouri, Indiana
- Gilbertsocrinus typus?* (Hall, 1859). Lee, Ausich, and Kammer, 2005, p. 341. Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky
- Gilbertsocrinus (Trematocrinus) typus* Hall, 1872 = *Gilbertsocrinus typus*
- Gilbertsocrinus?* sp. no. 1 Fraunfelder, 1974, p. 16, Pl. 2, figs. 11, 18. Webster, 1986, p. 154. Devonian, Givetian, Lingle Limestone. United States, Missouri
- Gilbertsocrinus* spp.
- Wright, J., 1958, p. 327, Appendix, Pl. A, fig. 14. Webster, 1973, p. 137. Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Priest, 1971, p. 92, Pl. 1, fig. 4. Webster, 1977, p. 89. No age or locality given
- Kammer, 1984, p. 117. Webster, 1988, p. 88. Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky
- Baumiller, 2003b, p. 201, Fig. !, no. A. Mississippian, no age or locality given
- Webster, Waters, and Chen, 2009, p. 133, Fig. 5, nos. m-o.

*Gilbertsocrinus cf. calcaratus* Chen and Yao, 1993, p. 23, P. 2, fig. 13. Webster, Waters, and Chen, 2009, p. 133.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan

**GILMOCRINUS** Laudon, 1933. \**G. iowensis* Laudon, 1933.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Laudon, 1933, p. 70. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 489. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 169. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 137. Webster, 1977, p. 89. Moore and Strimple *in* Moore and Teichert, 1978, p. T641. Webster, 1986, p. 155. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 63. Webster et al., 2003, p. 16. Kammer, Ausich, and Goldstein, 2007, p. 209.  
Named, currently recognized species based on cups or crowns: 6 species. 1 Devonian, Famennian; 5 Mississippian, 3 Tournaisian, 2 Viséan Devonian, late Famennian – Mississippian, Tournaisian. United States Mississippian, Tournaisian. Ireland Mississippian, Viséan. United Kingdom, Scotland

*Gilmocrinus? albus* Webster and Hafley *in* Webster et al., 1999, p. 472, Figs. 4.8-4.10.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

*Gilmocrinus arbiglandensis* Wright, 1934 = *Ophiurocrinus arbiglandensis*

*Gilmocrinus beggi* (Wright, 1938). Wright, J., 1938, p. 343, Pl. 13, fig. 2. Bassler and Moodey, 1943, p. 489. Ausich and Kammer, 2006, p. 105.

*Scytalocrinus beggi* Wright, J., 1938, p. 285, Pl. 11, fig. 12. Bassler and Moodey, 1943, p. 489. Wright, 1950, p. 22. Webster, 1973, p. 186.

*Ophiurocrinus beggi* (Wright, 1938). Wright, J., 1950, p. 22, Pl. 6, fig. 6. Webster, 1973, p. 186. Ausich and Kammer, 2006, p. 105.

Mississippian, Viséan. United Kingdom

*Gilmocrinus bozemanensis* (Miller and Gurley, 1896) = *Ramulocrinus bozemanensis*

*Gilmocrinus dactyloides* (Austin and Austin, 1843. Ausich and Sevastopulo, 2001, p. 92, Pl. 10, figs. 1-4, 7-8; Fig. 11, no. I.

*Poteriocrinites dactyloides* Austin and Austin, 1842, p. 108. Austin and Austin, 1843, p. 197. Bassler and Moodey, 1943, p. 677. Ausich and Sevastopulo, 2001, p. 92.

*Poteriocrinus dactyloides* (Austin and Austin, 1842). Austin and Austin, 1847, p. 85, Pls. 10, fig. 7; 11, p. 197. Bronn, 1848, p. 1035. Bassler and Moodey, 1943, p. 677. Wright, J., 1950, p. 20. Webster, 1973, p. 186. Ausich and Sevastopulo, 2001, p. 92.

*Poteriocrinus (Scytalocrinus) dactyloides* (Austin and Austin, 1842). Wachsmuth and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 677.

?*Poteriocrinus rostratus* (Austin); Austin and Austin, 1846 (part). Ausich and Sevastoluplo, 2001, p. 92.

*Scytalocrinus dactyloides* (Austin and Austin, 1842). Bassler and Moodey, 1943, p. 677. Ausich and Sevastoluplo, 2001, p. 92.

*Ophiurocrinus dactyloides* (Austin and Austin, 1843); Wright, J. 1950 (part), p. 20, Pl.

6, figs. 1-3, 7. Webster, 1973, p. 186. Ausich and Sevastopulo, 2001, p. 92.

?*Phacelocrinus rostratus* (Austin and Austin); Wright, 1951 (part). Ausich and Sevastoluplo, 2001, p. 92.

Mississippian, late Tournaisian, Hook Head Formation, Supradolomite Beds, *Linoproductus* Beds. Ireland

\**Gilmocrinus iowensis* Laudon, 1933, p. 70, Pls. 5, figs. 7-9; 6, figs. 9, 10; 7, figs. 3-6. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 489. Moore and Laudon, 1944, p. 169, Pl. 60, fig. 3. Jacobson, 1970, p. 232, Pl. 2, fig. center-right.

Webster, 1973, p. 137. Webster, 1977, p. 89. Moore and Strimple *in* Moore and Teichert, 1978, p. T641, Fig. 418, no. 3. Webster, 1986, p. 155.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Gilmocrinus kentuckyensis* Kammer, Ausich, and Goldstein, 2007, p. 210, Fig. 1. Mississippian, Viséan (late Osagean), Borden Formation, Muldraugh Member. United States, Kentucky

*Gilmocrinus oneali* Laudon and Beane, 1937. *Nomen correctum*

*Gilmocrinus o'neali* Laudon and Beane, 1937, p. 259, Pl. 19, fig. 7. Bassler and Moodey, 1943, p. 489.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Gilmocrinus o'neali* Laudon and Beane, 1937 = *Gilmocrinus oneali*

*GIRSOCRINUS* Jaekel, 1895 = ***GISSOCRINUS***

*Girvanella* encrusting corals and encrinital columns Smith, 1910 = *Gilbertsocrinus simplex*

***GISACANTHOSTEGAE*** Moore, 1939. *Nomen vetitum* \**G. expansa* Moore, 1939. Moore, 1939b, p. 239. Jeffords *in* Moore and Teichert, 1978, p. T936. (tegmen plates)

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian species, 1 Desmoinesian, 1 Missourian

Pennsylvanian, Desmoinesian - Missourian. United States, Kansas

\**Gisacanthostegae expansa* Moore, 1939b, p. 240, Pl. 4, figs. 4a-4c (tegmen spine). Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

*Gisacanthostegae angusta* Moore, 1939b, p. 241, Pl. 4, figs. 5a-5b (tegmen spine).

Pennsylvanian, Missourian, Plattsburg Limestone, Hickory Creek Shale Member.  
United States, Kansas

*Gisocrinus involutus* Bouska, 1944 = *Gissocrinus involutus*

**GISSOCRINUS** Angelin, 1878. \**G. typus* Bather, 1893.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae  
Angelin, 1878, p. 10. Zittel, 1880, p. 343, 353. Wachsmuth and Springer, 1880  
(1879), p. 89 (312). Wachsmuth and Springer, 1886, p. 191 (115). Bather,  
1890b,

p. 332. Bather, 1893a, p. 152. Zittel, 1895, p. 135. Koken, 1896, p. 281. Bather  
*in*

Lankester, 1900, p. 175. Wachsmuth *in* Zittel, 1900, p. 156. Springer *in* Zittel,  
1913, p. 220. Bassler, 1915, p. 547. Springer, 1926, p. 135. Schmidt, W. E.,  
1934, p. 68. Bassler, 1938, p. 102. Bassler and Moodey, 1943, p. 489. Moore  
and

Laudon, 1943b, p. 51. Moore and Laudon, 1944, p. 155. Bouska, 1944a, p. 1,  
Fig. 1. Bouska, 1944b, p. 1, Fig. 1; 1944c, p. 584, Fig. 1. Ramsbottom, 1951a, p.  
491, Fig. 1. Ubaghs, 1953, p. 750. Yakovlev, 1954b, p. 1088, Fig. 1, no. b.  
Yakovlev, 1956a, p. 90, Fig. 36, no. 2. Yakovlev, 1958, p. 75, Fig. 36, no. 2.  
Yakovlev, 1964a, p. 83, Fig. 38, no. 2. Yakovlev, 1964b, Fig. 59, no. b. Arendt  
and Hecker, 1964, p. 83. Webster, 1973, p. 137. Meyer and Lane, 1976, p.  
475, Fig. 1. Webster, 1977, p. 90. Lane and Moore *in* Moore and Teichert,  
1978,

p. T582. Webster, 1988, p. 88. Webster, 1993, p. 63. Lane and Ausich, 1995, p.  
1104. Donovan, Lewis, and Veltkamp, 2008, p. 69. Donovan et al., 2010, p. 55.

**GIRSOCRINUS** Jaekel, 1895, p. 69. Bassler, 1938, p. 102. Bassler and Moodey,  
1943, p. 489.

Named, currently recognized species based on cups or crowns: 26 species. 22

Silurian, 12 Wenlockian, 5 Niagaran, 5 Ludlovian; 1 Silurian – Devonian  
boundary

beds; 3 Devonian, 1 Early Devonian undesignated; 1 Emsian, 1 Eifelian

Silurian, Wenlockian - Devonian, Emsian. Europe; Russia

Silurian, middle Niagaran - Ludlovian. United States

*Gissocrinus arthriticus* (Phillips, 1839) (*non* Angelin, 1878). Zittel, 1880, p. 338, 353,  
Figs. 231, no. c; 240, no. a. Wachsmuth and Springer, 1880 (1879), p. 98 (314).  
Bather *in* Lankester, 1900, p. 127, Fig. 41. Wachsmuth *in* Zittel, 1900, p. 130,  
156, Fig. 234, no. c; 262, no. a. Gurich, 1908, p. 44, Pl. 13, fig. 3. Bassler and  
Moodey, 1943, p. 489. Watkins and Hurst, 1977, p. 210, Fig. 4. Ubaghs *in*  
Moore

and Teichert, 1978, p. T181, Fig. 153, no. 3. Webster, 1986, p. 155. Donovan,  
2009, p. 160, Fig. 9. Donovan et al., 2010, p. 56, Pl. 11, figs. 1-5;  
Figs. 22-23.

*Actinocrinites? arthriticus* Phillips *in* Murchison, 1839, p. 674, Pl. 17, fig. 8. Bassler  
and Moodey, 1943, p. 489.

*Actinocrinus ?arthriticus* Phillips *in* Murchison, 1839. Bronn, 1848, p. 14.

*Cyathocrinus arthriticus* (Phillips, 1839). Bigsby, 1868, p. 19. Murchison, 1872, p. 223, Pl. 14, figs. 7-7\*. Salter, 1873, p. 124. Bassler and Moodey, 1943, p. 489. *Taxocrinus* (*Actinocrinites?* *arthriticus* (Phillips, 1839). Salter *in* Murchison, 1859, p. 246, Pl. 14, figs. 7-7\*.

*Ichthyocrinus arthriticus* (Phillips, 1839). d'Orbigny, 1850, p. 46. Silurian, Wenlockian, Homeric, Much Wenlock Limestone Formation. United Kingdom, Shropshire.

*Gissocrinus arthriticus* Angelin, 1878 (part) = *Gissocrinus typus*

*Gissocrinus arthriticus* Angelin, 1878 (part) = *Gissocrinus campanula*

*Gissocrinus approximatus* Springer, 1926, p. 137, Pl. 32, figs. 7-9. Bassler and Moodey, 1943, p. 490. Silurian, middle Niagaran, Laurel Limestone. United States, Indiana

"*Gissocrinus*" *borealis* Tschernyschew, 1892 p. 123. Tschernyschew, 1893, p. 94, Pl. 14, fig. 4. Bassler and Moodey, 1943, p. 490. McIntosh, 1981b, p. 964. Webster, 1988, p. 88. Early Devonian?. Russia, East slope Ural Mountains

*Gissocrinus campanula* Bather, 1893a, p. 160, Pl. 9, figs. 293-306. Bassler and Moodey, 1943, p. 490. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 373, nos. 3c-3d. Webster, 1986, p. 155.

*Gissocrinus arthriticus* Angelin, 1878 (*non* Phillips, 1839), p. 10. Bassler and Moodey, 1943, p. 490.

*Gissocrinus punctuosus* Angelin, 1878, p. 10, Pl. 27, figs. 1-1a, 1e-1g; 29, figs. 74-74a only. Zittel, 1880, p. 354, Fig. 240, nos. b-d. Wachsmuth *in* Zittel, 1900, p. 156, Fig. 262, nos. b-c. Bassler and Moodey, 1943, p. 490. Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus capillaris* (Phillips, 1839). Bather, 1892, p. 207. Bassler and Moodey, 1943, p. 490. Watkins and Hurst, 1977, p. 210, Fig. 4. Webster, 1986, p. 155. Donovan et al., 2008a, p. 41, Fig. 6, no. H. Donovan, 2009, p. 159, Fig. 6. Donovan et al., 2010, p. 58, Pls. 12k, figs. 1-3; 13, fig. 1; Fig. 24.

*Cyathocrinites capillaris* Phillips *in* Murchison, 1839, p. 671, Pl. 17, fig. 2. Murchison, 1859, p. 247, Pl. 15, fig. 2. Bassler and Moodey, 1943, p. 490.

*Cyathocrinus capillaris* (Phillips, 1839). Bronn, 1848, p. 366. Murchison, 1859, p. 246, Pl. 15, figs. 3-3a. Bigsby, 1868, p. 19. Salter, 1873, p. 124, unfig.

*Ichthyocrinus capillaris?* (Phillips, 1839). d'Orbigny, 1850, p. 46.

*Poteriocrinus capillaris* (Phillips, 1839). Roemer, C. F. *in* Bronn and Roemer, 1851, p. 239.

Silurian, Wenlockian, Homeric, Much Wenlock Limestone Formation. United Kingdom, Shropshire.

*Gissocrinus crassus* Bouska 1943 = *Gissocrinus cyrili*

*Gissocrinus cyrili* Bouska, 1944a, p. 5, Pl. 1, figs. 6-9; Fig. 2. Bouska, 1944b, p. 4, Pl. 1,

- figs. 6-9; Fig. 2. Bouska, 1944c, p. 587, Pl. 1, figs. 6-9; Fig. 2. Webster, 1973, p. 137. Prokop and Petr, 1990, p. 19; 20. Webster, 1993, p. 63.
- Gissocrinus crassus* Bouska, 1944a, p. 6, Pl. 2, figs. 1-4. Bouska, 1944b, p. 5, Pl. 2, figs. 1-4. Bouska, 1944c, p. 588, Pl. 2, figs. 1-4. Webster, 1973, p. 137. Prokop and Petr, 1990, p. 19. Webster, 1993, p. 63.
- Gissocrinus intermedius* Bouska, 1944a, p. 7, Pl. 2, fig. 9. Bouska, 1944b, p. 7, Pl. 2, fig. 9. Bouska, 1944c, p. 590, Pl. 2, fig. 9. Webster, 1973, p. 137. Prokop and Petr, 1990, p. 29. Webster, 1993, p. 63.
- Gissocrinus* cf. *intermedius* Bouska, 1944a, p. 8, Pl. 2, fig. 10. Bouska, 1944b, p. 7, Pl. 2, fig. 10. Bouska, 1944c, p. 591, Pl. 2, fig. 10. Webster, 1973, p. 137. Prokop and Petr, 1990, p. 29. Webster, 1993, p. 63.
- Silurian, Ludlovian, Kopanina Formation; Devonian, Pragian, Koneprusy Formation. Czech Republic
- Gissocrinus cyrilif?* Bouska, 1944, Donovan et al., 2010, p. 60, Pl. 14, fig. 1. Silurian, Wenlockian, Wenlock Shale. United Kingdom, Malvern, Sedgley
- Gissocrinus delicatus* Springer, 1926, p. 136, Pl. 32, fig. 2. Bassler and Moodey, 1943, p. 490. Silurian, middle Niagaran, Beech River Formation. United States, Tennessee
- Gissocrinus elegans* Angelin, 1878, p. 10, Pl. 3, figs. 5-5a. Bather, 1893a, p. 159, Pl. 8, figs. 284-292. Bassler and Moodey, 1943, p. 490. Silurian, Wenlockian. Sweden, Isle of Gotland
- Gissocrinus goniodactylus* (Phillips, 1839). Bather, 1893a, p. 166. Bather *in* Lankester, 1900, p. 101, Fig. 8. Bassler and Moodey, 1943, p. 490. White, E., 1964, p. 100, Pl. 24, fig. 2. Brower, 1974b, p. 26, Fig. 15, nos. 1-3. Watkins and Hurst, 1977, p. 210, Figs. 1, no. A; 4; 6, no. A. Webster, 1977, p. 90. Ubaghs *in* Moore and Teichert, 1978, p. T137, Fig. 107, nos. 2-5. Webster, 1986, p. 155. Widdison, 2001, p. 140, Figs. 2-3. Donovan et al., 2008a, p. 41, Fig. 8, no. C. Donovan, Lewis, and Veltkamp, 2008, p. 71, fig. 3. Donovan, 2009a, p. 19, Fig. 1. Donovan et al., 2010, p. 61, Pls. 13, figs. 2-4; 15, fig. 1; Fig. 25. Morton, 2012, p. 20, unnum. Fig. Nos. 1-3.
- Cyathocrinites goniodactylus* Phillips *in* Murchison, 1839, p. 671, Pl. 17, fig. 1. Phillips *in* Murchison, 1859, p. 246, Pl. 14, fig. 8. Bassler and Moodey, 1943, p. 490.
- Cyathocrinus goniodactylus* (Phillips, 1839). Bronn, 1848, p. 366. Murchison, 1859, p. 246, Pl. 14, fig. 3. Bigsby, 1868, p. 19. Murchison, 1872, p. 223, Pl. 14, fig. 3. Salter, 1873, p. 124. Baily, 1875, Pl. 18, fig. 1.
- Gissocrinus goniodactylus* var. Bather, 1893a, p. 167, Pl. 9, figs. 326-334. Bassler and Moodey, 1943, p. 490.
- Ichthyocrinus goniodactylus?* (Phillips, 1839). d'Orbigny, 1850, p. 46.
- Poteriocrinus* (*Cyathocrinus*) *goniodactylus* (Phillips, 1839). Roemer, C. F. *in* Bronn and Roemer, 1851, p. 239.
- Gissocrinus luculentus* Ramsbottom, 1951a, p. 494, Pl. 9, figs. 5-8; Figs. 6-7. Webster, 1973, p. 137.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom;  
Sweden, Isle of Gotland

*Gissocrinus goniodyctylus* var. Bather, 1893 = *Gissocrinus goniodyctylus*

*Gissocrinus* sp. cf. *G. goniodyctylus* (Phillips in Murchison, 1839). Ubaghs in Moore and Teichert, 1978, p. T137, Fig. 107, no. 1. Webster, 1986, p. 155.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus hypselos* Lane and Ausich, 1995, p. 1104, Figs. 5.4, 5.7, 6.2-6.5, 7.1-7.2.  
Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana

*Gissocrinus incurvatus* (Angelin, 1878). Bather, 1893a, p. 128, Pls. 9, figs. 335-336; 10, figs. 337-351. Bassler and Moodey, 1943, p. 490. Ubaghs in Moore and Teichert, 1978, p. T178, T195, Figs. 148, no. 9; 165, no. 2. Webster, 1986, p. 155.

*Cyathocrinus incurvatus* Angelin, 1878, p. 23, Pl. 26, fig. 1. Bassler and Moodey, 1943, p. 490.

*Cyathocrinus granulatus* Angelin, 1878, p. 23, Pl. 16, figs. 1-3. Bassler and Moodey, 1943, p. 490.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus intermedius* Bouska, 1943 = *Gissocrinus cyrili*

*Gissocrinus* cf. *intermedius* Bouska, 1943 = *Gissocrinus cyrili*

?*Gissocrinus involutus* Bouska, 1944. Prokop and Petr, 1990, p. 30. Webster, 1993, p. 63.

*Gissocrinus involutus* Bouska, 1944a, p. 3, Pl. 1, figs. 1-5a. Bouska, 1944b, p. 3, Pl. 1, figs. 1-5a. Bouska, 1944c, p. 586, Pl. 1, figs. 1-5a. Webster, 1973, p. 137.

Prokop and Petr, 1990, p. 29, 30. Webster, 1993, p. 63.

*Gissocrinus involutus* Bouska, 1944. Turek, 1988, p. 373, Fig. 2 (sic).

Silurian, Ludlovian, Kopanina Formation. Czech Republic

*Gissocrinus involutus* Bouska, 1944 = ?*Gissocrinus involutus*

*Gissocrinus luculentus* Ramsbottom, 1951 = *Gissocrinus goniodyctylus*

*Gissocrinus ludensis* Sollas (MS) in Ramsbottom, 1958, p. 109, Pl. 21, figs. 8-9.

Webster, 1973, p. 137. Donovan et al., 2010, p., 64, Pl. 14, figs. 2-3; Fig. 26.

Silurian, late Ludlovian, Leintwardine Formation. United Kingdom, Herefordshire

*Gissocrinus lyoni* Springer, 1926, p. 135, Pl. 32, figs. 1-1a. Bassler and Moodey, 1943, p. 490. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 1. Moore and Laudon, 1944, p. 155, Pl. 55, fig. 12. Webster, 1973, p. 137.

Silurian, middle Niagaran, Louisville Limestone. United States, Kentucky



- Gissocrinus macrodactylus* Angelin, 1878, p. 10, Pl. 18, fig. 1. Bather, 1893a, p. 165, Pl. 9, figs. 316-325. Bassler and Moodey, 1943, p. 490.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Gissocrinus magnibrachiatus* Springer, 1926, p. 136, Pl. 32, figs. 3-6. Bassler and Moodey, 1943, p. 490. Brett, 1984, p. 105, Fig. 12, no. D. Webster, 1988, p. 88.  
Silurian, middle Niagaran, Beech River Formation; Brownsport Formation. United States, Tennessee
- Gissocrinus nudus* Angelin, 1878 = *Gissocrinus typus*
- Gissocrinus plicatus* Milicina, 2000a, p. 55, Pl. 10, fig. 4; Figs. 1-2. Milicina, 2000b, p. 59, Pl. 10, figs. 4a-4b; Figs. 1-2.  
Silurian, Ludlovian, Isovskoi Horizon. Russia, east slope Ural Mountains
- Gissocrinus prantli* Bouska, 1944a, p. 7, Pl. 2, figs. 5-8. Bouska, 1944b, p. 6, Pl. 2, figs. 5-8. Bouska, 1944c, p. 589, Pl. 2, figs. 5-8. Webster, 1973, p. 137. Prokop and Petr, 1990, p. 40. Webster, 1993, p. 63.  
Devonian, Eifelian, *Acanthopyge* Limestone. Czech Republic
- Gissocrinus? problematicus* Rowley, 1904 = *Gnorimocrinus? problematicus*
- Gissocrinus punctuosus* Angelin, 1878 (part) = *Gissocrinus campanula*
- Gissocrinus punctuosus* Angelin, 1878 (part) = *Gissocrinus typus*
- Gissocrinus quadratus* Springer, 1926, p. 137, Pl. 32, figs. 10-11. Bassler and Moodey, 1943, p. 491. Strimple, 1963d, p. 67, Fig. 18, nos. a-d. Webster, 1973, p. 137.  
Silurian, middle Niagaran, Laurel Limestone, Henryhouse Formation. United States, Indiana, Oklahoma
- Gissocrinus scoparius* (Salter, 1873). Bather, 1892d, p. 207. Bassler and Moodey, 1943, p. 491. Donovan et al., 2010, p. 66, unfig.  
*Cyathocrinus scoparius* Salter, 1873, p. 125. Bassler and Moodey, 1943, p. 491.  
**Note.** *Gissocrinus scoparius* has never been figured in an official publication, although it was figured in the dissertation of Ramsbottom (1953) where authorship was attributed to Salter as had been done earlier by Bather (1892).  
Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom
- Gissocrinus squamiferus* (Salter, 1873). Bather, 1893a, p. 167. Bather *in* Lankester, 1900, p. 102, Fig. 9. Bassler and Moodey, 1943, p. 491. Ramsbottom, 1951a, p. 491, Pl. 9, figs. 1-4; Figs. 2-5. Webster, 1973, p. 137. Donovan, 2010, p. 67, Pl. 15, figs. 2-3.  
*Cyathocrinus squamiferus* Salter, 1873, p. 124 (*nomen nudum*). Bassler and Moodey, 1943, p. 491.  
Silurian, Wenlockian, Homeric, Much Wenlock Limestone Formation. United Kingdom, Dudley; Sweden, Isle of Gotland

*Gissocrinus tubulatus* Angelin, 1878 = *Gissocrinus typus*

\**Gissocrinus typus* Bather, 1893a, p. 155, Pl. 8, figs. 261-283. Bassler and Moodey, 1943, p. 491. Sieverts-Doreck, 1952, p. 427, Fig. 5. Webster, 1973, p. 137. Lane and Moore in Moore and Teichert, 1978, p. T582, Fig. 373, nos. 3a-3b. Webster, 1986, p. 155.

*Gissocrinus arthriticus* Angelin, 1878 (*non* Phillips, 1839), p. 10, Pls. 3, fig. 2 (figs. 1?, 5b?); 29, fig. 75. Zittel, 1895, p. 121, 135, Figs. 234, no. c; 262, nos. a-c. Springer in Zittel, 1913, p. 220, Fig. 317 only. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 491.

*Gissocrinus nudus* Angelin, 1878, p. 10, Pl. 20, fig. 20. Bassler and Moodey, 1943, p. 491.

*Gissocrinus punctuosus* Angelin, 1878, p. 10, Pl. 27, figs. 1b-1d; 29, figs. 75c-75d, 76. Bassler and Moodey, 1943, p. 491.

*Gissocrinus tubulatus* Angelin, 1878, p. 11, Pl. 3, fig. 4. Bassler and Moodey, 1943, p. 491.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus umbilicatus* Angelin, 1878, p. 11, Pls. 21, figs. 8-10; 29, figs. 75a-75b.

Bather, 1893a, p. 163, Pl. 9, figs. 307-315. Bassler and Moodey, 1943, p. 491. Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus verrucosus* Bather, 1893a, p. 171, Pl. 10, figs. 352-378. Bassler and

Moodey, 1943, p. 491. Franzén, 1977, p. 226, Fig. 6, no. A. Webster, 1986, p. 156.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Gissocrinus vertebrachialis* Schmidt, W. E., 1934, p. 68, Pl. 8, figs. 1-3; Fig. 13. Bassler and Moodey, 1943, p. 491.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Gissocrinus? voiseyi* Willink, 1979a, p. 132, Figs. 8, nos. a-f; 9, nos. a-c; Tab. 1.

Webster, 1986, p. 156. (Not a *Gissocrinus* GDW).

Late Permian, Kungurian, Boorook Group, Cataract River Formation. Australia, New South Wales

*Gissocrinus* spp.

Brett, 1991, p. 338, Fig. 24, no. B.

Silurian, Wenlockian. United States, Great Lakes region

Howell, 1995, p. 100, Pl. 5, fig. 12.

No age or locality given

Donovan, Lewis, and Veltkamp, 2008, p. 70, Fig. 2.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom

Donovan et al., 2010, p. 55, Pl. 10, figs. 1-8.

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Shropshire.

*Gissocrinus?* sp. Willink, 1979a, p. 133, Figs. 8, nos. g-h; 9, no. d; Tab. 1. Webster, 1986, p. 156. (Not a *Gissocrinus*, GDW, 2010)  
Permian, Kungurian, Catherine Sandstone. Australia, Queensland

**GLAMORGANOCRINUS** Kammer and Ausich, 2007. \**Ophiurocrinus gowerensis* Wright, 1960.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoida, F. Scytalocrinidae

Kammer and Ausich, 2007b, p. 1040.

New genus C Ausich and Kammer, 2006, p. 104.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian. United Kingdom, Wales

\**Glamorganocrinus gowerensis* (Wright, 1960). Kammer and Ausich, 2007b, p. 1040, Fig. 1, nos. F-G.

*Ophiurocrinus gowerensis* Wright, J., 1960, p. 329, Appendix, Pl. A, figs. 7-8.

Webster, 1973, p. 186. Ausich and Kammer, 2006, p. 104. Kammer and Ausich, 2007b, p. 1040.

Mississippian, Tournaisian, Ivorian, Penmaen Burrows Limestone Group . United Kingdom Wales

**GLANNEARYCRINUS** Ausich and Kammer, 2010. \**Batocrinus spergenensis* Miller, 1892.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Ausich and Kammer, 2010a, p. 46.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (Osagean – Meramecian). United States

\**Glannearycrinus spergenensis* (Miller, 1892). Ausich and Kammer, 2010a, p. 46.

*Batocrinus spergenensis* Miller, S. A., 1892a, p. 675. Miller, S. A., 1892c, p. 670, Pl. 10, figs. 5-6. Miller and Gurley, 1894b, p. 52, Pl. 5, figs. 7-9. Miller, S. A., 1897,

p.

738. Weller, S., 1898c, p. 134. Rowley, R. R., 1904c, p. 188, Pl. 57, figs.

3-4. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 695. Webster,

1973, p. 65. Feldman, 1989b, p. 905, Fig. 3, no. 14. Webster, 1993, p. 30.

Newell, 2005, p. 31, Fig. 3, nos. 1-6 (unidentified, after Wood, 1909, pl. 5).

Ausich, 2009a, p. 486, suppl., p. 10. Ausich and Kammer, 2010a, p. 40.

*Actinocrinites fibula* Troost, 1850a, p. 60 (*nomen nudum*). Troost, 1850b, p. 419

(*nomen nudum*). Bassler and Moodey, 1943, p. 431 (*nomen nudum*).

*Actinocrinus fibula* (Troost, 1850). Shumard, 1868, p. 344 (*nomen nudum*). Miller, S.

A., 1889, p. 218 (*nomen nudum*).

*Dizygocrinus sacculus* (Miller and Gurley, 1894). Wood, E., 1909, p. 72, Pl. 5, figs.

1-6. Bassler and Moodey, 1943, p. 431. Ausich, 2009a, p. 11.

Mississippian, Viséan (Osagean – Meramecian), Warsaw Limestone; Ft. Payne

Chert; Salem Limestone, Somerset Shale Member. United States, Kentucky, Indiana, Tennessee

**GLAPHYROCRINUS** Lindley, 1988. \**G. expansus* Lindley, 1988.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Lindley, 1988, p. 130. Webster, 1993, p. 64.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Viséan species

Mississippian, early Viséan. Australia, New South Wales

\**Glaphyrocrinus expansus* Lindley, 1988, p. 132, Figs. 4, no. A; 5, nos. A-E. Webster, 1993, p. 64.

*Actinocrinites nodosus* Pickett, 1960, p. 88, 2 Unnum. Figs.

Mississippian, early Viséan, Namoi Formation, Swains Gully Limestone.

Australia, New South Wales

*Glaphyrocrinus minutus* Lindley, 1988, p. 135, Figs. 4, no. B; 5, nos. F-H. Webster, 1993, p. 64.

Mississippian, early Viséan, Namoi Formation, Swains Gully Limestone.

Australia, New South Wales

**GLAUCCOCRINUS** Parks and Alcock, 1912. \**G. falconeri* Parks and Alcock, 1912.

Sbc. Disparida, Spf. Anomalocrinoidea, F. Anomalocrinidae

Parks and Alcock, 1912, p. 43. Bassler, 1915, p. 548. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 491. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Webster, 1973, p. 138. Moore and Lane *in* Moore and Teichert, 1978, p. T556. Webster, 1986, p. 156. Guensburg, 1992, p. 2. Ausich, 1998b, p. 36. Pabian and Rushlau, 2002, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Trentonian). Canada, Ontario

\**Glaucocrinus falconeri* Parks and Alcock, 1912, p. 43, Pl. 4, figs. 2-3. Bassler, 1915, p. 548; 1938, p. 103. Bassler and Moodey, 1943, p. 491. Moore and Lane *in* Moore and Teichert, 1978, p. T556, Fig. 349, no. 3. Webster, 1986, p. 156. Guensburg, 1992, p. 3, Figs. 1-2.

Ordovician, Katian (Trentonian), Hull Limestone. Canada, Ontario

**GLAUKOSOCRINUS** Strimple, 1951. \**Malaiocrinus parviusculus* Moore and Plummer, 1940.

Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae

Strimple, 1951d, p. 191. Strimple and Moore, 1971b, p. 13. Webster, 1973, p. 138. Webster, 1977, p. 90. Moore and Strimple *in* Moore and Teichert, 1978, p.

T686. Webster, 1986, p. 156. Lane and Sevastopulo, 1990, p. 336. Pabian and Strimple, 1993, p. 26. Webster, 1993, p. 64. Ausich, 1998b, p. 26.

Named, currently recognized species based on cups or crowns: 6 species. 5 Pennsylvanian, 2 Desmoinesian, 2 Missourian, 1 Virgilian; 1 Permian, Artinskian Pennsylvanian, Desmoinesian - Virgilian. United States Permian, early Artinskian. Australia, Western Australia

- Glaukosocrinus berryi* Pabian and Rushlau, 2002, p. 35, Fig. 11, nos. 1-3.  
Pennsylvanian, Missourian, Stanton Formation. South Bend Limestone Member.  
United States, Nebraska
- Glaukosocrinus forneyi* Pabian and Strimple, 1974b, p. 30, Figs. 10, no. 1; 12, no. 5.  
Webster, 1986, p. 156. Pabian and Rushlau, 2002, p. 35.  
Pennsylvanian, Virgilian, Coal Creek Limestone. United States, Kansas,  
Nebraska, Iowa
- Glaukosocrinus* sp. cf. *G. forneyi* Pabian and Strimple, 1974b, p. 36. Webster, 1986, p. 156.  
Pennsylvanian, Virgilian, Ervine Creek Limestone. United States, Nebraska
- Glaukosocrinus middalyaensis* Webster and Jell, 1999b, p. 302, Fig. 10. Pabian and Rushlau, 2002, p. 35.  
Permian, early Artinskian, Callytharra Formation. Australia, Western Australia
- Glaukosocrinus naturalis* Strimple, 1962e, p. 24, Pl. 3, figs. 12-15. Webster, 1973, p. 138.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Glaukosocrinus parvisculus* (Moore and Plummer, 1940) = *Glaukosocrinus parviusculus*
- \**Glaukosocrinus parviusculus* (Moore and Plummer, 1940). Strimple, 1951d, p. 191, Figs. 13-16. Strimple, 1962e, p. 23. Moore and Strimple in Moore and Teichert, 1978, p. T686, Fig. 452, nos. 4a-4c. Webster, 1986, p. 156.  
*Glaukosocrinus parvisculus* (Moore and Plummer, 1940). Webster, 1973, p. 138. Pabian and Rushlau, 2002, p. 35.  
Pennsylvanian, Desmoinesian, Oologah Limestone; Millsap Lake Formation. United States, Oklahoma, Texas
- Glaukosocrinus planus* Strimple and Moore, 1971b, p. 13, Fig. 9, no. 1. Webster, 1977, p. 90. Moore and Strimple in Moore and Teichert, 1978, p. T686, Fig. 452, no. 4d. Webster, 1986, p. 156. Pabian and Rushlau, 2002, p. 35.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma
- Glaukosocrinus* spp.  
Pabian and Strimple, 1980b, p. 13, Pl. 3, fig. 12. Webster, 1986, p. 157. Pabian and Rushlau, 2002, p. 35.  
Pennsylvanian, Virgilian, Cass Formation, Haskell Limestone. United States, Nebraska  
Pabian and Strimple, 1993, p. 26, Fig. 10, no. j. Pabian and Rushlau, 2002, p. 35, unfig.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

**GLENOCRINUS** Guensburg and Sprinkle, 2003. \**Glenocrinus globularis* Guensburg and Sprinkle, 2003.

O. Protocrinoida, F. Titanocrinidae

Guensburg and Sprinkle, 2003a, p. 19.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Tremadocian species

Ordovician, Tremadocian. United States, Utah

\**Glenocrinus globularis* Guensburg and Sprinkle, 2003a, p. 20, Pl. 5, figs. 1-5; Fig. 8. Guensburg and Sprinkle, 2009, p. 358, Fig. 7.5. Guensburg, 2012, p. 456, Fig. 1, no. 2003.

Ordovician, Tremadocian, lower part of Fillmore Formation. United States, Utah

**GLOBACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus pirum* Moore and Plummer, 1938.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 21. Strimple and Watkins, 1969, p. 220. Webster, 1977, p. 90. Moore and Strimple *in* Moore and Teichert, 1978, p. T485.

Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 157. Ausich, 1988, p. 909, Fig. 1, no. 12. Webster, 1988, p. 88. Webster, 1993, p. 64.

Named, currently recognized species based on cups or crowns: 5 Pennsylvanian species, 2 Morrowan, 2 Atokan, 1 Desmoinesian

Early - Middle Pennsylvanian, Morrowan - Desmoinesian. United States

*Globacrocrinus centronodus* Strimple, 1975e, p. 29, Fig. 17, nos. 9-16. Webster, 1986, p. 157.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Globacrocrinus glomus* Moore and Strimple, 1969a, p. 27, Fig. 10, nos. 1-4. Webster, 1977, p. 90.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Globacrocrinus multiplicatus* Strimple and Watkins, 1969a, p. 221, Pl. 52, figs. 4-6. Webster, 1977, p. 90.

Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

\**Globacrocrinus pirum* (Moore and Plummer, 1938). Moore and Strimple, 1969a, p. 23, Figs. 1, no. 5; 3, nos. 5-10. Webster, 1977, p. 90. Ubaghs *in* Moore and Teichert, 1978, p. T129, Fig. 101, no. 2. Moore and Strimple *in* Moore and Teichert, 1978, p. T485, Figs. 282, no. 5; 286. Broadhead, 1985, p. 209. Webster, 1986, p. 157.

*Acrocrinus pirum* Moore and Plummer, 1938, p. 218, Pl. 12, figs. 1-2; Figs. 1-2.

Bassler and Moodey, 1943, p. 265. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 14. Moore and Strimple, 1969a, p. 23. Webster, 1973, p. 34. Webster, 1977, p.

90.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Globacrocrinus rotundus* Moore and Strimple, 1969a, p. 27, Figs. 11, nos. 1-4; 12, nos. 1-4; 13, nos. 1-7; 14, nos. 1-2; 15, nos. 1-6. Webster, 1977, p. 90. Moore and Strimple *in* Moore and Teichert, 1978, p. T485, Fig. 286, nos. 1a-1f. Broadhead, 1985, p. 209, Fig. 4, nos. E, F. Webster, 1986, p. 157. Webster, 1988, p. 89. Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma

**GLOBOCRINUS** Washburn, 1968 (*non* Weller, 1920) = **PARAGASSIZOCRINUS**

*Globocrinus bulbous* Washburn, 1968 = *Paragassizocrinus calyculoides*

**GLOBOCRINUS** Weller, 1920. \**Batocrinus unionensis* Worthen, 1890 (part).

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Weller, S., 1920, p. 330. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 491. Moore and Laudon, 1943b, p. 95. Webster, 1973, p. 138. Horowitz and Strimple, 1974, p. 213. Lane *in* Moore and Teichert, 1978, p. T469. Webster, 1986, p. 157. Lane and Sevastopulo, 1987, p. 204. Webster, 1993, p. 64. Ausich and Kammer, 2010, p. 43.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan – Serpukhovian species

Mississippian, Viséan – Serpukhovian (Meramecian - middle Chesterian). United States

*Globocrinus bulbus* Washburn, 1968 = *Paragassizocrinus calyculoides* = *Polusocrinus calyculoides*

\**Globocrinus unionensis* (Worthen, 1890). Weller, J. M., 1917, p. 259, Pl. 40, figs. 8a-8b. Weller, S., 1920, p. 331, Pl. 5, figs. 18-23. Bassler and Moodey, 1943, p. 491. Butts, C., 1941, p. 249, Pl. 132, Figs. 9-11. Webster, 1973, p. 138. Lane *in* Moore and Teichert, 1978, p. T469, Fig. 275, no. 5. Webster, 1986, p. 157. Ausich and Kammer, 2010a, p. 45.

*Batocrinus unionensis* Worthen *in* Miller, S. A., 1889, p. 228 *nomen nudum*.

Worthen, 1890, p. 84, Pl. 12, figs. 5-5a; Pl. 13, fig. 3. Weller, S., 1898c, p. 235. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 491. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 66.

*Dizygocrinus unionensis* (Worthen, 1890). Wachsmuth and Springer, 1897, p. 424, Pl. 35, figs. 16-20. Weller, S., 1898c, p. 235. Beede, 1906, p. 1253, Pl. 16, figs. 1-1d. Grabau and Shimer, 1910, p. 543. Bassler and Moodey, 1943, p. 431.

*Dizygocrinus persculptus* Ulrich, E. O., 1917, p. 246, Pl. 2, figs. 24-26. Weller, S., 1920, p. 327, Pl. 5, figs. 15-17. Bassler and Moodey, 1943, p. 430. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 66. Burdick and Strimple, 1983a, p. 169. Webster, 1988, p. 44.

*Batocrinus persculptus* (Ulrich, 1917). Burdick and Strimple, 1983a, p. 169, Pl. 1, figs. 1-5, 8-9. Webster, 1988, p. 44.

*Dizygocrinus superstes* Ulrich, E. O., 1917, p. 246, Pl. 2, figs. 21-23. Weller, S., 1920, p. 329, Pl. 5, figs. 13-14. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 66.

*Batocrinus davisii* var. *sculptus* Rowley, R. R., 1904a, p. 174, Pl. 51, figs. 22-23. Beede, 1906, p. 1250, Pl. 15, figs. 22-23. Bassler and Moodey, 1943, p. 431. Lane, N. G., 1963a, p. 696. Webster, 1973, p. 66.

*Dizygocrinus unionensis sculptus* (Rowley, 1904). Bassler and Moodey, 1943, p. 431.

*Actinocrinites mortoni* Troost (part), 1850a, p. 60. Wood, E., 1909, p. 74. Bassler and Moodey, 1943, p. 431.

*Actinocrinus mortoni* (Troost, 1850). Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219.

Mississippian, Viséan – Serpukhovian (Meramecian – Chesterian), Salem Limestone; Warsaw Limestone; Spergen Limestone; Ste. Genevieve Limestone; Ohara Limestone; Monteagle Limestone; Shetlerville Formation; Gasper Limestone; Fredonia Oolite; Renault Formation. United States, Illinois, Virginia, Indiana, Kentucky, Missouri, Tennessee, Alabama

Glossocrinacea indeterminate Webster and Waters, 2009, p. 275, Fig. 4, no. P. Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur Autonomous Region

Glossocrinidae new genus undesignated Webster, Maples, and Yazdi, 2007, p. 1111, Fig. 3, no. 13. Devonian, late Frasnian, Shishtu Formation. Central Iran

*Glossocrinid? indeterminant* Webster et al., 2001, p. 110, Pl. 1, fig. B. Mississippian, Tournaisian, Mobarak Formation. Iran, Alborz Mountains

**GLOSSOCRINUS** Goldring, 1923. \**G. naplesensis* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F. Glossocrinidae

Goldring, 1923, p. 389. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 492. Moore and Laudon, 1943, p. 54, Fig. 6. Webster, 1973, p. 138. Webster, 1977, p.

90. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 157. Webster, 1988, p. 89. McIntosh, 2001, p. 802. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 6 Devonian species, 4 Frasnian, 2 Famennian

Devonian, Frasnian - Frasnian. United States

*Glossocrinus bellitubatus* Kesling, 1973 = *Charientocrinus bellitubatus*

*Glossocrinus cornellianus* (Williams, 1882). Goldring, 1923, p. 394, Pl. 52, figs. 6-7. Bassler and Moodey, 1943, p. 492. McIntosh, 2001, p. 802.



- Poteriocrinus cornellianus* Williams, H. S., 1882, p. 18, Pl. 1, figs. 1-3. Miller, S. A., 1889, p. 273. Bassler and Moodey, 1943, p. 492. McIntosh, 2001, p. 802. Devonian, Frasnian, Genessee Group, Ithaca Formation, Lower *Polygnathus asymmetricus* Biozone. United States, New York
- Glossocrinus goldringae* (Belanski, 1928). Strimple and Levorson, 1973, p. 182, Pl. 1, figs. 7-8. Webster, 1986, p. 157. McIntosh, 2001, p. 802.
- Nassoviocrinus goldringae* Belanski, 1928, p. 179, Pl. 13, figs. 38-39. Bassler and Moodey, 1943, p. 570. Strimple and Levorson, 1973, p. 182. Webster, 1986, p. 157.
- Quantoxocrinus goldringae* (Belanski, 1928). Strimple and Levorson, 1973, p. 182. Webster, 1986, p. 157.
- Devonian, Frasnian, Shellrock Formation, Middle *Polygnathus asymmetricus* Biozone. United States, Iowa
- Glossocrinus halli* (Goldring, 1923). McIntosh, 2001, p. 804.
- Liparocrinus halli* Goldring, 1923, p. 400, Pl. 52, figs. 9-11. Bassler and Moodey, 1943, p. 539. McIntosh, 2001, p. 804.
- Devonian, Frasnian, Chemung Formation. United States, New York
- \**Glossocrinus naplesensis* Goldring, 1923, p. 390, Pl. 52, figs. 1-5; Fig. 59. Bassler, 1938, p. 103. Bassler and Moodey, 1943, p. 492. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T637, Fig. 415, no. 4. Brett, 1981b, p. 362, Fig. 8, no. C. Webster, 1986, p. 158. Webster, 1988, p. 89. McIntosh, 2001, p. 802, Fig. 13.16.
- Devonian, Frasnian, West Falls Group, Beers Hill Formation, *Ancyrognathus triangularis* Biozone; lower part of Nunda Formation. United States, New York, Pennsylvania
- Glossocrinus? salebrosus* (Whidborne, 1898). Lane, Maples, and Waters, 2001a, p. 1064, Pl. 4, fig. 4 (not Pl. 3, fig. 4; plate explanations for plates 3 and 4 reversed).
- Poteriocrinus* sp. Whidborne, 1898 (pt). Lane, Maples and Waters, 2001a, p. 1064.
- Scaphiocrinus? salebrosus* Whidborne, 1899, p. 232, Pl. 37, fig. 13. Bassler and Moodey, 1943, p. 518. Lane, Maples and Waters, 2001a, p. 1064.
- Hydriocrinus salebrosus* (Whidborne); Schmidt, W. E., 1930, p. 87. Bassler and Moodey, 1943, p. 518. (Not an *Hydriocrinus*, N. G. Lane, pers. comm.). Lane, Maples, and Waters, 2001a, p. 1064.
- Devonian, Famennian, Pilton Beds. United Kingdom, North Devon
- Glossocrinus whidbornei* Lane, Maples, and Waters, 2001a, p. 1064, Pl. 5, figs. 1-2. Devonian, Famennian, Pilton Beds. United Kingdom, North Devon
- Glossocrinus?* sp. Lane, Maples, and Waters, 2001a, p. 1065, Pls. 1, fig. 7; 4, fig. 2 (not Pl. 3, fig. 2; plate explanations for plates 3 and 4 reversed).
- Poteriocrinus* sp. Whidborne, 1898 (pt). Lane, Maples, and Waters, 2001a, p. 1065. Devonian, Famennian, Marwood Beds. United Kingdom, North Devon

*GLOSTEROCRINUS* Wachsmuth and Springer, 1886 = **CLOSTEROCRINUS**

*GLYPTASTER* Hall, 1852 = **DIMEROCRINITES**

*Glyptaster (Eucrinus) angularis* (Miller and Dyer, 1878) = *Ptychocrinus parvus*

*Glyptaster armosus* (McChesney, 1861) = *Siphonocrinus armosus*

*Glyptaster brachiatus* Hall, 1852 = *Thysanocrinus brachiatus* = *Dimerocrinites brachiatus*

*Glyptaster egani* Miller, 1881 = *Thysanocrinus egani* = *Dimerocrinites egani*

*Glyptaster inornatus* Hall, 1863 = *Thysanocrinus inornatus* = *Dimerocrinus inornatus* = *Dimerocrinites inornatus*

*Glyptaster (Eucrinus) lockportensis* Ringueberg, 1890 = *Dimerocrinites lockportensis*

*Glyptaster milliganae* Miller and Gurley, 1896 = *Dimerocrinus milliganae* = *Dimerocrinites milliganae*

*Glyptaster occidentalis* Hall, 1864 = *Thysanocrinus occidentalis* = *Dimerocrinites occidentalis*

*Glyptaster occidentalis* var. *a* Hall, 1863 = *Dimerocrinites occidentalis*

*Glyptaster occidentalis* var. *crebescens* Hall, 1879 = *Dimerocrinites occidentalis*

*Glyptaster pentangularis* Hall, 1863 = *Thysanocrinus pentangularis* = *Dimerocrinites pentangularis*

Glyptocrinid camerate crinoid Brower, 1974, p. 3, Fig. 1.  
No age given.

Glyptocrinidae genus and species undetermined Ausich, 1987b, p. 571, Fig. 2, nos. 8-10. Webster, 1993, p. 64.

*Lampterocrinus? comptus* Rowley, R. R., 1904d, p. 279, Pl. 18, figs. 57-58.

Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530. Ausich, 1987b, p. 571. Webster, 1993, p. 64.

Silurian, late Medinan, Edgewood Limestone. United States, Missouri

Glyptocrinina Moore, 1954, p. 144, Fig. 8, no. A (plate diagram). Webster, 1973, p. 274.

*GLYPTOCRINITES* Carpenter, 1884 = **GLYPTOCRINUS**

**GLYPTOCRINUS** Hall, 1847. \**G. decadactylus* Hall, 1847.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Hall, 1847b, p. 281. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 23, 46, 103.

Emmons, 1855, p. 223. Billings, E., 1857a, p. 256. Billings, E., 1859a, p. 55.

Hall, 1863a, p. 8. Hall, 1864b, p. 202. Shumard, 1868, p. 372. Bigsby, 1868, p. 20, 196.

Salter, 1873, p. 122. Meek, 1873a, p. 30. Hall, 1879a, p. 131. Zittel, 1880, p. 345,

374. Nicholson and Etheridge, 1880, p. 328. Wachsmuth and Springer, 1881, p. 185 (356). Hall, 1882b, p. 259. Miller, 1883c, p. 105. Wachsmuth and Springer, 1883a, p. 255. Wachsmuth and Springer, 1885, p. 102 (324). Quenstedt, 1885,

p.

959. Miller, S. A., 1889, p. 247. Zittel, 1895, p. 130. Koken, 1896, p. 284.

Wachsmuth and Springer, 1897, p. 267. James, 1897, p. 110. Wachsmuth *in*

Zittel, 1900, p. 147. Delage and Herouard, 1903, p. 383. Cummings, 1908, p.

712. Grabau and Shimer, 1910, p. 552. Springer *in* Zittel, 1913, p. 189. Bassler,

1915, p. 553. Fritz, 1925, p. 14. Bassler, 1938, p. 103. Bassler and Moodey,

1943, p. 492. Moore and Laudon, 1943b, p. 96, Fig. 13. Moore and Laudon,

1944, p. 199, Pl. 70, fig. 10. Cuénot, 1948, p. 69. Moore, 1950, p. 42, Fig. 11.

Ubaghs, 1953, p. 741, Fig. 139, no. g. Spreng and Parks, 1953, p. 588, Figs. 2,

no. a; 7, no. b. Caster, Dalve, and Pope, 1961, Fig. 5, upper left. Webster, 1973,

p. 138. Kolata, 1975, p. 49. Frest, Strimple, and Kelly, 1976, p. 145, Fig. 2.

Webster, 1977, p. 91. Brower, 1978, p. 43, Figs. 1, 4. Brower and Veinus, 1978,

p. 413. Ubaghs *in* Moore and Teichert, 1978, p. T126, T487, Fig. 98, no. 2.

Cowen, 1981, p. 333. Smith, A. B., 1985, p. 167. Webster, 1986, p. 158.

Webster, 1988, p. 89. Simms, 1994b, p. 304, Figs. 1, no. E; 2, no. E. Simms,

1994c, p. 258, Figs. 1, no. E; 3, no. E. Ausich, 1996, p. 242, Fig. 17-2, no. 2.

Ausich, 1998b, p. 35.

*GLYPTOCRINITES* Carpenter, P. H., 1884, p. 929. Bassler, 1915, p. 553. Bassler,

1938, p. 103. Bassler and Moodey, 1943, p. 492. Ubaghs *in* Moore and

Teichert,

1978, p. T487.

*ICOSIDACTYLOCRINITES* Owen, 1843, *nomen nudum*. Miller, S. A., 1889, p. 256.

Bassler, 1938, p. 117. Bassler and Moodey, 1943, p. 492, 522. Ubaghs *in* Moore

and Teichert, 1978, p. T487.

*ICOSIDACTYLOCRINUS* Shumard, 1866, p. 372. Bassler, 1938, p. 117. Bassler

and Moodey, 1943, p. 492. Ubaghs *in* Moore and Teichert, 1978, p. T487.

Named, currently recognized species based on cups or crowns: 9 Ordovician

species, 1 Sandbian – Katian, 7 Katian, 1 Hirnantian

Ordovician, Sandbian – Katian (Champlainian). North America

Ordovician, Hirnantian. United Kingdom

*Glyptocrinus angularis* Miller and Dyer, 1878 = *Ptychocrinus parvus*

*Glyptocrinus argutus* Walcott, 1883 = ?*Stelidiocrinus argutus* = *Stelidiocrinus argutus* = *Pycnocrinus argutus*

*Glyptocrinus armosus* (McChesney, 1868) = *Siphonocrinus armosus* =  
*Eucalyptocrinites armosus* = *Ochlerocrinus armosus* = *Siphonocrinus armosus*

*Glyptocrinus?* *armosus* (McChesney, 1868) = *Siphonocrinus armosus* =  
*Eucalyptocrinites armosus* = *Ochlerocrinus armosus* = *Siphonocrinus armosus*

*Glyptocrinus baeri* Meek, 1872 = *Xenocrinus baeri*

*Glyptocrinus basalis* M'Coy, 1850 = *Glyptocrinus?* (*Coelocrinus*) *basalis* =  
*Rhaphanocrinus basalis* = \**Balacrinus basalis*

*Glyptocrinus basalis* Morton, 1861 (*non* M'Coy, 1850), part = *Merocrinus salopae*

*Glyptocrinus basalis* Morton, 1861 (*non* M'Coy, 1850), part = unnamed species

*Glyptocrinus* (*Coelocrinus* n. g.) *basalis* M'Coy, 1850 = *Rhaphanocrinus basalis* =  
\**Balacrinus basalis*

*Glyptocrinus?* *basalis* M'Coy, 1850. Salter, 1873, p. 45.  
Ordovician, Hirnantian, Middle Bala Group. United Kingdom

*Glyptocrinus billingsi* (Wachsmuth and Springer, 1897) = *Periglyptocrinus billingsi*

*Glyptocrinus carleyi* Hall, 1863 = *Mariacrinus carleyi* = *Alisocrinus carleyi*

*Glyptocrinus charltoni* Kolata, 1975 = \**Abludoglyptocrinus charltoni*

*Glyptocrinus circumcarinatus* Parks and Alcock, 1912, p. 44, Pl. 4, figs. 2-3. Bassler,  
1915, p. 553. Bassler and Moodey, 1943, p. 492.  
Ordovician, Katian (Trentonian), Hull Limesotne. Canada, Ontario

*Glyptocrinus cognatus* Miller, 1881 = *Gaurocrinus onealli*

\**Glyptocrinus decadactylus* Hall, 1847b, p. 281, Pl. 77, figs. 1a-1f; 78, figs. 1a-1u.  
Christy, 1848, Pl. 1, fig. 10. d'Orbigny, 1850, p. 23. Rogers, 1858, p. 821, Fig.  
622. Shumard, 1868, p. 372. Bigsby, 1868, p. 20, 196. Hall, 1872a, p. 3, Fig. 2.  
Hall, 1872b, p. 207, Fig. 2. Meek, 1873a, p. 30, Pl. 2, figs. 5a-5b. Zittel, 1880, p.  
374, Fig. 262. Hall, 1882b, p. 260, fig. 2. Miller, S. A., 1883b, p. 220, Pl. 11,  
figs. 1-1c. Milloer, S. A., 1889, p. 248, Figs. 313-314. Lesley, 1889, p. 254, Fig.  
622. Zittel, 1895, p. 130. Wachsmuth and Springer, 1897, p. 270, Pls. 6, fig. 12;  
20, figs. 4a-4e; 21, figs. 4a-4b. James, 1897, p. 111, description only. Bather *in*  
Lankester, 1900, p. 119, Fig. 25. Wachsmuth *in* Zittel, 1900, p. 147, Fig. 250.  
Frech, 1902, Pl. 3, fig. 19. Hayes and Ulrich, 1903, p. 5, Fig. 16. Rowley, R. R.,  
1906b, p. 28, Pl. 6, figs. 5-7, 16. Cumings, 1908, p. 720, Pl. 4, fig. 9. Gurich,  
1908, p. 45, Pl. 13, fig. 6. Clarke, 1909b, Pl. 6, fig. 2. Grabau and Shimer, 1910,  
p. 552, Figs. 1882-1883. Bassler, 1915, p. 553. Wilson, H. E., 1916, p. 508, Pl.  
2, fig. 1. McFarlan, 1917, p. 69. Miller, A. M., 1919, Pl. 22, fig. 1. Clarke, 1921b,

p. 67, Fig. 52. Fritz, 1925, p. 15, Pl. 2, figs. 1-5. Bassler, 1938, p. 104. Bassler and Moodey, 1943, p. 492. Bowsher, 1955a, p. 7, Pls. 1, figs. 6-9; 2, fig. 3. Webster, 1973, p. 138. Brower, 1978, p. 43, Figs. 2-3. Ubaghs *in* Moore and Teichert, 1978, p. T184, T487, Figs. 155, no. 2; 290, no. 1. Smith, A. B., 1985, p. 167, Pl. 7.4.8. Webster, 1986, p. 158. Webster, 1988, p. 89. Simms, 1990, p. 196, Fig. 8.1 (diagramatic). Simms *in* Hess et al., 1999 p. 32, Fig. 53, nos. a-b. Brett, Deline and McLaughlin, 2008, p. 33, Figs. 2.10-2.11. Meyer and Davis, 2009, p. 171, Figs. 12.4; 12.5, nos. G, K 12.8, no. A.  
*Heterocrinus decadactylus* (Hall, 1847). Bassler, 1915, p. 554.  
 Fossil encrinite Anthony, 1839, p. 359, Unnum. Fig. Bassler and Moodey, 1943, p. 492.  
*Apiocrinites?* sp. Anthony, 1839, p. 360, Unnum. Fig. Bassler, 1915, p. 554.  
 Ordovician, Sandbian – Katian (Cincinnatian), Corryville Shale, Fairmount Shale, Fairview Formation. United States, Ohio, Kentucky, Indiana, Pennsylvania

*Glyptocrinus dyeri* Meek, 1873 = *Pycnocrinus dyeri*

*Glyptocrinus dyeri* var. *subglobosus* Meek, 1872 = *Pycnocrinus subglobosus*

*Glyptocrinus dyeri* var. *sublaevis* Miller, 1878 = *Pycnocrinus dyeri sublaevis*

*Glyptocrinus expansus* Phillips, 1839 = *Sagenocrinus expansus* = *Sagenocrinites expansus*

*Glyptocrinus?* (*Actinocrinites?*) *expansus* Phillips *in* Murchison, 1839 = \**Sagenocrinites expansus*

*Glyptocrinus fimbriatus* Shumard, 1855 = *Euptychocrinus fimbriatus*

*Glyptocrinus flatheanus* Geinitz, 1867 = *Trybliocrinus flatheanus*

*Glyptocrinus fornshelli* Miller, S. A., 1874c, p. 348, Fig. 41. Miller, S. A., 1889, p. 248, Fig. 316. Wachsmuth and Springer, 1897, p. 276, Pls. 20, fig. 3; 21, fig. 5. James, 1897, p. 114. Bassler, 1915, p. 554. Bassler and Moodey, 1943, p. 493. Meyer and Davis, 2009, p. 178, Fig. 12.9, no. A.  
 Ordovician, Katian (late Cincinnatian), Waynesville Limestone, Liberty Formation. United States, Ohio

*Glyptocrinus globularis* Nicholson and Etheridge, 1880 = *Archaeocrinus globularis* = *Diabolobcrinus globularis*

*Glyptocrinus gracilis* Morton, 1861 = Unnamed species

*Glyptocrinus gracilis* (Wetherby, 1881) = *Ptychocrinus parvus*

*Glyptocrinus harrisi* Miller, 1881 = *Compsocrinus harrisi*

- Glyptocrinus insperatus* Rowley, 1904 = *Abludoglyptocrinus insperatus* = *Ptychocrinus insperatus*
- Glyptocrinus insperatus* var. *carinatus* Rowley, 1904 = *Ptychocrinus insperatus*
- Glyptocrinus insperatus* var. *pentagonus* Rowley, 1904 = *Ptychocrinus pentagonus*
- Glyptocrinus lacunosus* Billings, 1857 = *Archaeocrinus lacunosus*
- Glyptocrinus laevis* Murchison, 1859 = *Periechocrinites laevis* = *Periechocrinus laevis* = *Trochocrinites laevis*
- Glyptocrinus libanus* Safford, 1869, p. 266 (*nomen nudum*). Miller, S. A., 1889, p. 248. Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 493. Ordovician, Katian, Glade Limestone. United States, Tennessee
- Glyptocrinus marginatus* Billings, 1857 = *Archaeocrinus marginatus*
- Glyptocrinus mercerensis* Miller and Gurley, 1894 = *Periglyptocrinus priscus*
- Glyptocrinus miamiensis* Miller, 1883 = *Compsocrinus miamiensis*
- Glyptocrinus neali* Hall, 1866 = \**Gaurocrinus nealli*
- Glyptocrinus nealli* (*o'nealli*) Hall, 1866 = *Reteocrinus nealli* = *Gaurocrinus nealli*
- Glyptocrinus nobilis* Hall, 1861 = *Siphonocrinus nobilis*
- Glyptocrinus ornatus* Billings, 1857 = *Pycnocrinus ornatus* = *Abludoglyptocrinus ornatus* = *Eopatelliocrinus ornatus*
- Glyptocrinus* sp. aff. *G. ornatus* Billings, 1857 = *Eopatelliocrinus ornatus*
- Glyptocrinus ottawaensis* Wilson, A. E., 1946, p. 27. Webster, 1973, p. 138. *Glyptocrinus ramulosus* Billings, E., 1859a (*non* Billings, 1856), p. 57, Pls. 7, figs. 2a-2f; 8, figs. 1a-1d. Wilson, A. E., 1946, p. 27. Webster, 1973, p. 138. Ordovician, Katian (middle Champlainian), Hull Formation. Canada, Quebec
- Glyptocrinus parvus* Hall, 1867 = *Ptychocrinus parvus*
- Glyptocrinus pattersoni* Miller, 1882 = *Reteocrinus pattersoni* = *Pycnocrinus pattersoni*
- Glyptocrinus plumosus* (Hall, 1843) =  $\emptyset$  *Eomyelodactylus plumosus*.
- Glyptocrinus priscus* Billings, 1857 = *Periglyptocrinus priscus*

*Glyptocrinus pustulosus* Kolata, 1975 = *Abludoglyptocrinus pustulosus*

*Glyptocrinus quinquepartitus* Billings, E., 1859a, Pl. 4, figs. 2a-2b (*non* figs. 4a-4b as given on plate explanation). Shumard, 1868, p. 373. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 556. Bassler and Moodey, 1943, p. 494. Wilson, A. E., 1946, p. 28. Webster, 1973, p. 138.

*Glyptocrinus quinque-partitus* Billings, 1857. Bigsby, 1868, p. 20.

Ordovician, Katian (Champlainian), Hull Limestone; Cobourg Formation. Canada, Ontario, Quebec

*Glyptocrinus quinque-partitus* Billings, 1857 = *Glyptocrinus quinquepartitus*

*Glyptocrinus ramulosus* Billings, E., 1856, p. 48, Figs. 1, 3-8. Billings, E., 1857a, p. 258. E. Billings, E., 1857b, p. 54, Figs. 1-8. Shumard, 1868, p. 373. Bigsby, 1868, p. 20, 196. Miller, S. A., 1889, p. 248. Wachsmuth and Springer, 1897, p. 273, Figs.

5a-5b. Grabau and Shimer, 1910, p. 552. Bassler, 1915, p. 556. Bassler and Moodey, 1943, p. 494. Wilson, A. E., 1946, p. 28. Webster, 1973, p. 138.

*Archaeocrinus? ramulosus* (Billings, 1856). Wachsmuth and Springer, 1883, p. 265. Bassler, 1915, p. 556.

Ordovician, Katian (Trentonian), Hull Limestone; Glens Falls Limestone; Cobourg Formation; Sherman Fall Formation. Canada, Ontario, Quebec; United States, New York

*Glyptocrinus ramulosus* Billings, 1859 (*non* Billings, 1856) = *Glyptocrinus ottawaensis*

*Glyptocrinus retiarius* (Phillips, 1839) = *Hapalocrinus retiarius* = *Clematocrinus retiarius*

*Glyptocrinus richardsoni* Wetherby, 1880 = *Reteocrinus richardsoni* = *Canistocrinus richardsoni*

*Glyptocrinus sculptus* Miller, 1882 = *Rhaphanocrinus sculptus*

*Glyptocrinus shafferi* Miller, 1873 = *Pycnocrinus shafferi*

?*Glyptocrinus shafferi* Wachsmuth and Springer, 1897 = *Pycnocrinus germanus*

*Glyptocrinus shafferi* var. *germanus* Miller, 1880 = *Pycnocrinus germanus*

*Glyptocrinus siphonatus* Hall, 1861 = *Siphonocrinus armosus*

*Glyptocrinus subglobosus* Meek, 1872 = *Pycnocrinus subglobosus*

*Glyptocrinus? subnodosus* Walcott, 1883 = *Rhaphanocrinus subnodosus*

*Glyptocrinus syphonatus* Hall, 1861 = *Siphonocrinus armosus*

*Glyptocrinus tridactylus* Brower and Veinus, 1978, p. 414, Pl. 12, fig. 5; Fig. 5, no. E.  
Webster, 1986, p. 158.

Ordovician, Katian (Trentonian), Decorah Shale. United States, Minnesota

*Glyptocrinus typus* (Wachsmuth and Springer, 1897) = *Canistrocrinus typus*

*Glyptocrinus* spp.

Siemiradzki, 1906a, p. 277, Pl. 19, fig. 23. Siemiradzki, 1906b, p. 181, Pl. 5, fig. 23.  
Paleozoic, *Monograptus* Zone. Russia, Podolia

Ruedeman, 1912, p. 85.

Early Silurian, Snake Hill Sandstone. United States, New York

Tufford and Hogberg, 1965, p. 21, Unnum. Fig. p. 21. Webster, 1986, p. 159.

Ordovician, Katian. United States, Minnesota

Kolata, 1975, p. 53, Pl. 9, fig. 5. Webster, 1986, p. 158.

Ordovician, Katian (Champlainian), Dunleith Formation, Eagle Point Member.

United States, Illinois

Meyer, D. L., 1981, p. 130, Unnum. Fig. Webster, 1988, p. 89.

Late Ordovician, Katian. United States, Kentucky

Howell, 1995, p. 100, Pl. 6, fig. 4.

No age or locality given

Droser, Fortey, and Li, 1996, p. 124, Fig. 3.

Ordovician, Katian. United States

Brett, Deline and McLaughlin, 2008, p. 36, Fig.

2.14.

Ordovician, Sandbian – Katian (Mohawkian, Shermanian), Lexington Limestone,  
Strodes Creek Member. United States, Kentucky

*Glyptocrinus?* sp. ind. Nicholson and Etheridge, 1880, p. 329, Pl. 22, figs. 9-11.

Silurian, Shale of Craighead Limestone. United Kingdom

*Glyptocrinus?* sp. ind. Nicholson and Etheridge, 1880, p. 330, Pl. 22, fig. 12.

Silurian. United Kingdom

*Glyptocrinus?* or *Petalocrinus?* Erdtmann and Prezbindowski, 1974 = *Macrostylocrinus styo*

**GNARYCRINUS** Webster and Waters, 2009. \**Gnarycrinus lanei* Webster and Waters, 2009.

Sbc. Camerata, O. Diplobathrida, Spf Dimerocrinoitoidea, F. Dimerocrinitidae  
Webster and Waters, 2009, p. 270.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species

Devonian, Famennian. China

\**Gnarycrinus lanei* Webster and Waters, 2009, p. 270, Fig. 3, nos. K-L.

*Actinocrinites* sp. Waters et al., 2003, p. 938, Figs. 9, no. 5; 12, no. 9. Webster and Waters, 2009, p. 270.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur



## Autonomous Region

**GNORIMOCRINUS** Wachsmuth and Springer, 1880. \**Taxocrinus expansus* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Wachsmuth and Springer, 1880 (1879), p. 50 (388). Bather, 1899b, p. 922. Bather  
*in* Lankester, 1900, p. 189. Wachsmuth *in* Zittel, 1900, p. 163. Springer, 1902,  
p. 95. Springer, 1906, p. 515. Springer *in* Zittel, 1913, p. 205. Bassler, 1915, p.  
557. Springer, 1920a, p. 353. Springer, 1926a, p. 70. Bassler, 1938, p. 104.  
Bassler and Moodey, 1943, p. 494. Moore and Laudon, 1943b, p. 69, Fig. 10.  
Moore and Laudon, 1944, p. 177, Pl. 67, fig. 12. Ubaghs, 1953, p. 755. Webster,  
1973, p. 139. Moore *in* Moore and Teichert, 1978, p. T771, Figs. 506, no. 8b;  
507, no. 7d. Webster, 1986, p. 159. Webster, 1993, p. 64. Donovan et al., 2010,  
p. 126.

Named, currently recognized species based on cups or crowns: 6 species. 1

Ordovician, Katian; 5 Silurian, 2 Wenlockian, 3 Niagaran

Silurian, Wenlockian. Sweden

Ordovician?, Katian; Silurian, Niagaran. United States

*Gnorimocrinus cirrifer* Bassler, 1915, p. 557 (*nomen nudum*, attributes name to  
Springer, in press). Springer, 1920a, p. 354, Pl. 47, figs. 7-12. Springer, 1926a,  
p.

70, Pl. 22, figs. 8-10. Bassler and Moodey, 1943, p. 494. Moore and Laudon,  
1944, p. 177, Pl. 54, fig. 12. Webster, 1973, p. 138.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

\**Gnorimocrinus expansus* (Angelin, 1878). Wachsmuth and Springer, 1880 (1879), p.  
50 (388). Springer, 1920a, p. 354, Pl. 47, figs. 1-6. Bassler and Moodey, 1943,  
p. 494. Moore *in* Moore and Teichert, 1978, p. T671, Figs. 511, no. 4; 512, no.  
1. Webster, 1986, p. 159.

*Taxocrinus expansus* Angelin, 1878, p. 9, Pl. 20, figs. 15-16. Bassler, 1938, p. 105.  
Bassler and Moodey, 1943, p. 494.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Gnorimocrinus pontotocensis* Strimple, 1952b, p. 78, Figs. 10-11. Springer, 1963d, p.  
125, Pl. 8, fig. 8. Webster, 1973, p. 139.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Gnorimocrinus? problematicus* (Rowley, 1904). Bassler, 1915, p. 547. Ausich, 1987b,  
p. 575, Figs. 2, nos. 16-19; 4. Webster, 1993, p. 64.

*Gissocrinus? problematicus* Rowley, R. R., 1904d, p. 277, Pl. 16, fig. 37-4.

Bassler, 1915, p. 547. Bassler and Moodey, 1943, p. 491.

Ordovician?, Katian, Noix Limestone. United States, Missouri

*Gnorimocrinus punctatus* (Angelin, 1878). Springer, 1920a, p. 354. Bassler and  
Moodey, 1943, p. 494.

*Taxocrinus punctatus* Angelin, 1878, p. 9, Pl. 23, figs. 4-5, 27. Bassler and  
Moodey, 1943, p. 494.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Gnorimocrinus varians* Bassler, 1915, p. 557 (*nomen nudum*, attributes name to Springer, in press). Springer, 1920a, p. 354, Pl. 47, figs. 13-17. Springer, 1926a, p. 70, Pl. 22, figs. 11-11a. Bassler and Moodey, 1943, p. 494.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Gnorimocrinus* sp. nov. Donovan et al., 2007 = *Gnorimocrinus* (Ramsbottom MS ) sp. nov.

*Gnorimocrinus* (Ramsbottom MS ) sp. nov. Donovan et al., 2010, p. 127, Fig. 57.  
*Gnorimocrinus* sp. nov. Donovan et al., 2007, p. 49. Donovan et al., 2010, p. 127.  
Silurian, Wenlock, Wenlock? Shale. United Kingdom, Sedgley, Staffordshire

**GOLDFUSSICRINITES** Hauser, 1999. \**Goldfussicrinites wachsmuthi* Hauser, 1999.  
Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Hauser, 1999, p. 103, Fig. 35. Hauser, 2003, p. 39, Fig. 58. Hauser, 2008, p. 38,  
Fig.  
91.

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Eifelian, 1 Frasnian  
Devonian, Frasnian (F2i). Belgium  
Devonian, Eifelian. Germany

*Goldfussicrinites indubius* Hauser, 2008, p. 55, Pl. 6, fig. 1 (*nomen nudum*, no  
description or diagnosis).  
Devonian, Eifelian. Germany

\**Goldfussicrinites wachsmuthi* Hauser, 1999, pp. 204, pl. 27, figs. 1-7. Hauser, 2003, p.  
39, Pl. 2, figs. 9-10. Hauser, 2008, p. 38, Fig. 90  
Devonian, Frasnian (F2i). Belgium, Ardenne

**GOLEOCRINUS** Strimple and Watkins, 1969. \**G. masonensis* Strimple and  
Watkins, 1969.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Strimple and Watkins, 1969, p. 161. Burdick and Strimple, 1973b, p. 233. Moore  
and Strimple, 1973, p. 56. Webster, 1977, p. 91. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T698, Figs. 506, no. 8b; 507, no. 7d. Webster, 1981, p.  
1192, Fig. 1. Burdick and Strimple, 1983a, p. 78. Webster, 1986, p. 159.  
Webster, 1988, p. 89. Lane and Sevastapulo, 1990, p. 336. Webster, 1993, p.  
64.

Named, currently recognized species based on cups or crowns: 7 species. 2  
Mississippian, Serpukhovian; 5 Pennsylvanian, 1 Morrowan, 4 Atokan  
Mississippian, Serpukhovian - Pennsylvanian, - Atokan. United States

*Goleocrinus? ardmoresis* (Strimple, 1949). Strimple and Watkins, 1969, p. 167.  
Webster, 1977, p. 91. Webster, 1981, p. 1193. Webster, 1988, p. 89.

- Ethelocrinus ardmorensis* Strimple, 1949d, p. 11, Pl. 2, figs. 9, 12, 15. Strimple and Watkins, 1969, p. 167. Webster, 1973, p. 125. Webster, 1977, p. 91.  
Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma
- Goleocrinus chronici* Webster and Kues, 2006, p. 12, Figs. 5.13-5.16, 5.27-5.29.  
Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico
- Goleocrinus? confossus* Strimple and Watkins, 1969, p. 168, Pl. 38, figs. 1-4.  
Webster, 1977, p. 91. Webster, 1981, p. 1192. Webster, 1988, p. 89.  
Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas
- Goleocrinus impressus* Burdick and Strimple, 1973b, p. 235, Pl. 2, figs. 1-4; Figs. 3-4.  
Webster, 1977, p. 91. Burdick and Strimple, 1983a, p. 79, Pl. 6, figs. 4-5, 12.  
Webster, 1988, p. 89.  
Mississippian, Serpukhovian (Chesterian), Bangor Formation. United States, Alabama
- Goleocrinus? mangeri* Burdick and Strimple, 1973b, p. 234, Pl. 2, figs. 5-8; Figs. 1-2.  
Webster, 1977, p. 91. Ubags in Moore and Teichert, 1978, p. T164, Fig. 135, no. 3. Webster, 1981, p. 1192. Webster, 1986, p. 159. Webster, 1988, p. 89.  
Mississippian, Serpukhovian (Chesterian), Imo Formation. United States, Arkansas
- \**Goleocrinus masonensis* Strimple and Watkins, 1969, p. 168, Pl. 39, figs. 1-4.  
Webster, 1977, p. 91. Moore and Strimple in Moore and Teichert, 1978, p. T698,  
Fig. 459, no. 4. Webster, 1986, p. 159.  
Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas
- Goleocrinus vadosus* (Washburn, 1968). Burdick and Strimple, 1973b, p. 233. Moore and Strimple, 1973, p. 56, Fig. 5, nos. 1a-1c. Webster, 1977, p. 91.  
*Phanocrinus vadosus* Washburn, 1968, p. 126, Pl. 1, figs. 10-12. Burdick and Strimple, 1973b, p. 233. Webster, 1973, p. 205. Webster, 1977, p. 91.  
Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah
- Goleocrinus? sp. indet.* Hashimoto, 1984, p. 14, Pl. 4, figs. 2a-2c; Fig. 5, nos. 5a-5b.  
Webster, 1993, p. 65.  
Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan
- Goleocrihus? sp.* Webster and Houck, 1998, p. 1063, Fig. 4.30.  
Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado
- GONGROCRINUS** Burdick and Strimple, 1983. \**Allocatillocrinus rotundus* Moore, 1940.  
Subc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Burdick and Strimple, 1983a, p. 41. Sevastopulo and Lane, 1988, p. 247.  
Webster, 1988, p. 90. Webster, 1993, p. 65.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian,  
Morrowan species  
Pennsylvanian, Morrowan. United States

*Gongrocrinus morrowensis* (Strimple, 1940). Burdick and Strimple, 1983a, p. 42.  
Webster, 1988, p. 90.

*Catillocrinus morrowensis* Strimple, 1940a, p. 92, Pl. 8, figs. 7-10. Bassler and  
Moodey, 1943, p. 294.

*Allocatillocrinus morrowensis* (Strimple, 1940). Moore, 1940b, p. 89. Bassler and  
Moodey, 1943, p. 294. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 18.  
Webster, 1973, p. 47. Burdick and Strimple, 1983a, p. 39.

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

\**Gongrocrinus rotundus* (Moore, 1940). Burdick and Strimple, 1983a, p. 42.

*Allocatillocrinus rotundus* Moore, 1940b, p. 97, Pls. 2, fig. 8; 3, fig. 1; Figs. 6, nos. a-  
w; 14, nos. a-f. Bassler and Moodey, 1943, p. 294. Moore and Laudon, 1943b,  
p. 130, Pl. 1, fig. 18. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 19. Ubaghs,  
1953, p. 747, Fig. 52. Webster, 1973, p. 47. Lane *in* Moore and Teichert, 1978,  
p.

T264, Fig. 205, nos. 1-8. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T545, Fig. 339, nos. 1-12. Burdick and Strimple, 1983a, p. 41. Webster, 1986, p.  
53. Webster, 1988, p. 90.

*Allocatillocrinus rotundus multibrachiatus* Moore, 1940b, p. 132, Pl. 3, figs. 2-3; Fig.  
14, nos. e-j.

**Note.** Burdick and Strimple did not reassign this form when they designated  
*Gongrocrinus*; however, I consider *A. rotundus multibrachiatus* to be a variant of  
*A. rotundus*, GDW.

Pennsylvanian, Morrowan, Brentwood Limestone; Hale Formation. United States,  
Oklahoma

**GONGYLOCRINUS** Ausich and Kammer, 2010. \**Batocrinus impariis* Miller and  
Gurley 1895.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Batocrinidae

Ausich and Kammer, 2010a, p. 46.

Named, currently recognized species based on cups or crowns: 9 Mississippian  
species, 5 Tournaisian, 1 tournaisian – Viséan, 3 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

*Gongylocrinus adamsensis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p.  
46.

*Batocrinus adamsensis* Miller and Gurley, 1896a, p. 14, Pl. 1, figs. 33-35. Miller, S.  
A., 1897, p. 735. Weller, S., 1898c, p. 122. Bassler and Moodey, 1943, p. 321.  
Ausich and Kammer, 2010a, p. 47.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

- Gongylocrinus apheles* (Ausich and Lane, 1982). Ausich and Kammer, 2010a, p. 46.  
*Uperocrinus apheles* Ausich and Lane, 1982b, p. 1357, Pl. 2, figs. 9-12. Webster, 1988, p. 164.  
 Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Gongylocrinus follicus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus folliculus* Miller and Gurley, 1896a, p. 15, Pl. 1, figs. 36-38. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 126. Bassler and Moodey, 1943, p. 325.  
 Ausich and Kammer, 2010a, p. 47.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Gongylocrinus imparilis* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus imparilis* Miller and Gurley, 1895b, p. 20, Pl. 1, figs. 17-18. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 326.  
 Ausich and Kammer, 2010a, p. 47.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Gongylocrinus incultus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus incultus* Miller and Gurley, 1895b, p. 21, Pl. 1, figs. 19-20. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 326.  
 Ausich and Kammer, 2010a, p. 47.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Gongylocrinus inflatus* (Rowley and Hare, 1891). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus inflatus* Rowley and Hare, 1891a, p. 102, Pl. 2, fig. 19. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.  
*Uperocrinus inflatus* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 720.  
 Ausich and Kammer, 2010a, p. 46.  
*Lobocrinus inflatus* (Rowley and Hare, 1891). Wachsmuth and Springer, 1897, p. 444, Pl. 34, figs. 18a-18b. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.  
*Batocrinus bulbosus* Rowley and Hare, 1891b, p. 114, Pl. 33, fig. 5. Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Gongylocrinus insperatus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus insperatus* Miller and Gurley, 1895, p. 22, Pl. 1, figs. 21-22. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Ausich and Kammer, 2010a, p. 47.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Gongylocrinus nanus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus nanus* Miller and Gurley, 1896a, p. 17, Pl. 1, figs. 42-44. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328.

Webster, 1973, p. 244. Ausich and Kammer, 2010a, p. 47.  
*Stinocrinus nanus* (Miller and Gurley, 1896). Moore and Laudon, 1944, p. 159, Pl. 60, fig. 15. Webster, 1973, p. 244.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, Keokuk Limestone. United States, Missouri, Indiana

*Gongylocrinus repertus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus repertus* Miller and Gurley, 1896c, p. 70, Pl. 4, figs. 28-30. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 330.  
 Ausich and Kammer, 2010a, p. 47.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Gongylocrinus* sp. Ausich and Kammer, 2010a, p. 46.

*Batocrinus longirostris* sensu Wachsmuth and Springer, 1881 (non Hall, 1858).  
 Ausich and Kammer, 2010a, p. 46.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri

*GONIACRINUS* Springer, 1913 = **GONIOCRINUS**

*GONIASTEROIDOCRINUS* Lyon and Casseday, 1859 = **GILBERTSOCRINUS**

*Goniasteroidocrinus faberi* Miller and Gurley, 1898 = *Gilbertsocrinus faberi*

*Goniasteroidocrinus fiscellus* (Meek and Worthen, 1861) = *Gilbertsocrinus fiscellus*

*Goniasteroidocrinus lyonanus* Miller and Gurley, 1893 = *Gilbertsocrinus lyonanus*

*Goniasteroidocrinus obovatus* Meek and Worthen, 1869 = *Gilbertsocrinus obovatus*

*Goniasteroidocrinus papillatus* (Hall, 1859) = *Gilbertsocrinus typus*

*Goniasteroidocrinus reticulatus* (Hall, 1861) = *Gilbertsocrinus reticulatus*

*Goniasteroidocrinus reticulatus* (Hall, 1859) (part) = *Gilbertsocrinus typus*

*Goniasteroidocrinus robustus* (Hall, 1859) = *Gilbertsocrinus robustus*

*Goniasteroidocrinus spinigerus* (Hall, 1859) = *Gilbertsocrinus spinigerus*

*Goniasteroidocrinus tuberosus* Lyon and Casseday, 1859 = *Gilbertsocrinus tuberosus*

*Goniasteroidocrinus typus* (Hall, 1859) = *Gilbertsocrinus typus*

*GONIASTROIDOCRINUS* Marschall, 1873 = **GILBERTSOCRINUS**

- GONIOCRINUS** Miller and Gurley, 1891. \**G. sculptilis* Miller and Gurley, 1891.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae  
Miller and Gurley, 1891, p. 351. Miller and Gurley, 1890b, p. 32 (*nomen nudum*).  
Miller, S. A., 1892a, p. 679. Bather *in* Lankester, 1900, p. 179. Bassler, 1938, p. 105. Bassler and Moodey, 1943, p. 494. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 158. Ubaghs, 1953, p. 752. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 139. Webster, 1977, p. 91. Moore and Lane *in* Moore and Teichert, 1978, p. T623. Webster, 1986, p. 159. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 65. Kammer and Roeser, 2012, p. 476.
- GONIACRINUS** Springer *in* Zittel, 1913, p. 218. Bassler, 1938, p. 105.  
Named, currently recognized species based on cups or crowns: 7 species. 1 Devonian, Eifelian; 5 Mississippian, 4 Tournaisian, 2 Viséan  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America
- Goniocrinus angulatus* Laudon, Parks, and Spreng, 1952, p. 552, Pls. 65, figs. 22, 24; 69, fig. 4. Webster, 1973, p. 139.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Goniocrinus harrisi* (Miller, 1880). Bassler and Moodey, 1943, p. 495. Van Sant *in* Van Sant and Lane, 1964, p. 99. Webster, 1973, p. 139.  
*Cyathocrinus harrisi* Miller, S. A., 1880a, p. 255, Pl. 15, fig. 2. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 495.  
*Goniocrinus? harrisi* (Miller, 1880). Miller and Gurley, 1891, p. 352. Bassler and Moodey, 1943, p. 495.  
Mississippian, Viséan (Osagean), Edwardsville Limestone. United States, Indiana
- Goniocrinus? harrisi* (Miller, 1880) = *Goniocrinus harrisi*
- Goniocrinus incipiens* (Hall, 1861). Bassler and Moodey, 1943, p. 495.  
*Cyathocrinus incipiens* Hall, 1861a, p. 296. Hall, 1861b, p. 5. Hall, 1861c, p. 296. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 200. Bassler and Moodey, 1943, p. 495.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Goniocrinus maximus* Laudon, 1933, p. 61, Pl. 7, fig. 6. Bassler and Moodey, 1943, p. 495. Jacobson, 1970, p. 232, Pl. 3, fig. 4. Webster, 1977, p. 92.  
Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa
- Goniocrinus saettii* Ausich, 2003c, p. 20, Figs. 1-2.  
Middle Devonian, late Eifelian, Delaware Limestone. United States, Ohio
- Goniocrinus sceletus* Kammer and Roeser, 2012, p. 476, Figs. 1.10-1.11, 2.3-2.4.  
Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale Member. United States, Ohio

\**Goniocrinus sculptilis* Miller and Gurley, 1891, p. 352, Pl. 6, figs. 2-5. Miller and Gurley, 1890b, p. 33 (*nomen nudum*). Miller, S. A., 1892a, p. 679, figs. 1235-1236. Weller, S., 1898c, p. 296. Laudon and Beane, 1937, p. 254, Pl. 19, fig. 4. Bassler, 1938, p. 105. Bassler and Moodey, 1943, p. 495. Moore and Laudon, 1944, p. 158, Pl. 57, fig. 7. Laudon and Severson, 1953, p. 514, Pl. 51, fig. 22. Webster, 1973, p. 139. Moore and Lane *in* Moore and Teichert, 1978, p. T623, Fig. 406, no. 1. Webster, 1986, p. 159.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation; Lodgepole Limestone. United States, Iowa, Montana

**GOTHOCRINUS** Bather, 1893. \**G. gracilis* Bather, 1893.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Bather, 1893a, p. 114. Bather *in* Lankester, 1900, p. 179. Springer *in* Zittel, 1913, p. 215. Jaekel, 1918, p. 59. Bassler, 1938, p. 106. Bassler and Moodey, 1943, p. 495. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 139. Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 159.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species  
Silurian, Wenlockian. Sweden

\**Gothocrinus gracilis* Bather, 1893a p. 115, Pl. 5, figs. 158-159; Fig. 16. Munthe, *et al.*, 1925, p. 11, Pl. 1, fig. g. Bassler, 1938, p. 105. Bassler and Moodey, 1943, p. 495. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 399, no. 2. Webster, 1986, p. 159.  
Silurian, Wenlockian. Sweden, Isle of Gotland

**GRABAUICRINUS** Waters *et al.*, 2003. \*"*Decadocrinus*" *xinjiangensis* Lane, Waters, and Maples, 1997.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Waters *et al.*, 2003, p. 945. Webster and Waters, 2009, p. 281.

Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species  
Devonian, Famennian. China, Xinjiang-Uyghur Autonomous Region

*Grabauicrinus rugosus* (Lane, Waters, and Maples 1997) = '*Decadocrinus*' *rugosus*

\**Grabauicrinus xinjiangensis* (Lane, Waters, and Maples, 1997). Waters *et al.*, 2003, p. 945, Figs. 11, nos. 5, 9-10; 13, nos. 7-9, 13. Webster and Waters, 2009, p. 282, Fig. 5, nos. A-D, F.

"*Decadocrinus*" *xinjiangensis* Lane, Waters, and Maples, 1997, p. 39, Figs. 14.6, 14.9, 14.13-15.17. Waters *et al.*, 2003, p. 945.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uygur Autonomous Region



Graceful crinoids Stinchcomb, 2008, p. 85, Figs. 05-16-05-17.  
Early Silurian, Cape Girardeau Formation. United States, Missouri

**GRAFFHAMICRINUS** Strimple, 1961. \**G. acutus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae

Strimple, 1961g, p. 123. Knapp, 1969, p. 363, Fig. 3. Strimple and Moore, 1971b, p. 15. Strimple and Cocke, 1973, p. 154. Webster, 1973, p. 139. Pabian and Strimple, 1974a, p. 268. Pabian and Strimple, 1974b, p. 14. Burke, 1976b, p. 9. Webster, 1977, p. 92. Strimple, 1977f, p. 161. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712. Pabian and Strimple, 1985, p. 45. Webster, 1986, p. 160. Ausich, 1988, p. 913, Fig. 3, no. 3. Webster, 1988, p. 90. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 6. Pabian and Strimple, 1993, p. 24. Webster, 1993, p. 65. Pabian and Rushlau, 2002, p. 20.

**THOLIACRINUS** Strimple, 1962. \**Corythocrinus undulatus* Strimple, 1961.

Strimple, 1962d, p. 136. Webster and Lane, 1967, p. 24. Knapp, 1969, p. 367. Strimple and Priest, 1969, p. 23. Webster, 1973, p. 121. Webster, 1977, p. 169. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T712.

**LOBALOCRINUS** Knapp, 1969. \**Delocrinus wolforum* Moore and Plummer, 1940.

Knapp, 1969, p. 366. Webster, 1977, p. 106. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717. Webster, 1986, p. 190.

Named, currently recognized species based on cups or crowns: 38 species, 3 subspecies. 36 Pennsylvanian, 1 Atokan, 2 Atokan - Desmoinesian, 11 Desmoinesian (+3 subspecies), 11 Missourian, 8 Missourian – Virgilian, 3 Virgilian; 2 Permian, Wolfcampian

Middle Pennsylvanian, Atokan - Early Permian, Wolfcampian. United States

\**Graffhamicrinus acutus* Strimple, 1961g, p. 124, Pls. 10, figs. 4-8; 12, figs. 4-6; 13, fig. 7; 15, fig. 6; 19, fig. 2; Fig. 22, nos. a-b. Knapp, 1969, p. 363, Fig. 17. Webster, 1973, p. 139. Pabian and Strimple, 1974b, p. 15. Webster, 1977, p. 92. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712, Fig. 471, nos. 1a-1c. Webster, 1986, p. 160. Pabian and Rushlau, 2002, p. 20.

Pennsylvanian, Desmoinesian, Holdenville Formation. United States, Oklahoma

*Graffhamicrinus acutus spicatus* Strimple, 1961g, p. 127, Pl. 17, figs. 1-3. Webster, 1973, p. 139. Pabian and Rushlau, 2002, p. 20.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Graffhamicrinus allegheniensis* (Burke, 1932). New Combination

*Delocrinus allegheniensis* Burke, 1932, p. 89, Pl. 3, figs. 1-5b. Bassler and Moodey, 1943, p. 450.

*Endelocrinus allegheniensis* (Burke, 1932). Moore and Plummer, 1940, p. 254.

Bassler and Moodey, 1943, p. 450. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 5. Knapp, 1969, p. 367. Webster, 1973, p. 121. Webster, 1977, p. 169.

*Tholiacrinus allegheniensis* (Burke, 1932). Knapp, 1969, p. 367. Webster, 1977, p. 169.

Pennsylvanian, Missourian, Ames Limestone. United States, Pennsylvania, West Virginia

*Graffhamicrinus antiquus* Strimple and Watkins, 1969, p. 182, Pls. 39, figs. 14-15; 40, figs. 9-10. Strimple, 1975e, p. 15, Fig. 10, nos. 3-5. Webster, 1977, p. 92. Webster, 1986, p.160. Pabian and Rushlau, 2002, p. 20.

Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

*Graffhamicrinus aristatus* (Strimple, 1949) = *Diphuicrinus aristatus*

*Graffhamicrinus armatura* (Strimple, 1949). Strimple, 1961g, p. 124. Webster, 1973, p. 139. Pabian and Rushlau, 2002, p. 20.

*Delocrinus armatura* Strimple, 1949d, p. 18, Pl. 3, figs. 3, 6. Strimple, 1961g, p. 124. Burke, 1970b, p. 2. Webster, 1973, p. 139. Webster, 1977, p. 77.

*Endelocrinus armatura* (Strimple, 1949). Burke, 1970b, p. 2, Pl. 1, figs. 1-6. Webster, 1977, p. 77.

Pennsylvanian, Atokan, Desmoinesian, Pumpkin Creek Limestone: United States, Oklahoma, Ohio, Illinois

*Graffhamicrinus benthobatus* (Moore and Plummer, 1940). Knapp, 1969, p. 363. Webster, 1977, p. 92.

*Delocrinus benthobatus* Moore and Plummer, 1940, p. 264, Pl. 11, fig. 8. Bassler and Moodey, 1943, p. 408. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 29. Knapp, 1969, p. 363. Webster, 1973, p. 100. Webster, 1977, p. 92.

Pennsylvanian, Missourian, Mineral Wells Formation. United States, Texas

*Graffhamicrinus bifidus* (Moore and Plummer, 1940). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 20.

*Endelocrinus bifidus* Moore and Plummer, 1940, p. 308, Pl. 12, fig. 10. Bassler and Moodey, 1943, p. 450. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 2. Knapp, 1969, p. 366. Webster, 1973, p. 121. Webster, 1977, p. 77. Pabian and Strimple, 1985, p. 45. Bowsher and Strimple, 1986, p. 17, Figs. 44, nos. a-e; 64, nos. a-h. Webster, 1988, p. 90.

*Corythocrinus bifidus* (Moore and Plummer, 1940). Strimple, 1961g, p. 129. Webster, 1973, p. 121.

*Tholiacrinus bifidus* (Moore and Plummer, 1940). Strimple, 1962d, p. 136. Webster, 1973, p. 121.

Pennsylvanian, Missourian, Graford Formation; Gobbler Formation. United States, Texas, New Mexico

*Graffhamicrinus bispinosus* (Moore and Plummer, 1940). Strimple, 1961g, p. 123. Webster, 1973, p. 139. Pabian and Rushlau, 2002, p. 20.

*Delocrinus bispinosus* Moore and Plummer, 1940, p. 263, Pl. 11, fig. 1; Fig. 56. Bassler and Moodey, 1943, p. 409. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 8. Strimple, 1961g, p. 123. Webster, 1973, p. 139.

Pennsylvanian, Missourian, Mineral Wells Formation. United States, Texas

*Graffhamicrinus boellstorffi* Pabian and Strimple, 1974a, p. 300, Pl. 41, figs. 4-7.

Webster, 1986, p.160. Pabian and Rushlau, 2002, p. 20, 22, Fig. 6, nos. 1-3.

Permian, Wolfcampian, Council Grove Group, Foraker Formation, Hughes Creek Shale Member. United States, Nebraska

*Graffhamicrinus bransoni* (Strimple, 1962). New Combination

*Endelocrinus bransoni* Strimple, 1962b, p. 28, Figs. 1-3. Knapp, 1969, p. 367.

Webster, 1973, p. 121. Webster, 1977, p. 169.

*Tholiacrinus bransoni* (Strimple, 1962). Knapp, 1969, p. 367. Webster, 1977, p. 169.

Pennsylvanian, Desmoinesian, Perry Farm Shale. United States, Oklahoma

*Graffhamicrinus brookensis* (Burke, 1970). Pabian and Strimple, 1985, p. 45.

Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 20.

*Delocrinus brookensis* Burke, 1970a, p. 2, Fig. 1, nos. a-c. Webster, 1977, p. 64.

Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90.

Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

*Graffhamicrinus brownvillensis* (Strimple, 1949). Knapp, 1969 = *Delocrinus brownvillensis*

*Graffhamicrinus bullatus* (Moore and Plummer, 1940). Strimple, 1961g, p. 123.

Webster, 1973, p. 140. Pabian and Rushlau, 2002, p. 20.

*Delocrinus bullatus* Moore and Plummer, 1940, p. 261, Pl. 11, fig. 2. Bassler and Moodey, 1943, p. 409. Strimple, 1961g, p. 123. Knapp, 1969, p. 367. Webster, 1973, p. 140. Webster, 1977, p. 169.

*Tholiacrinus bullatus* Moore and Plummer, 1940. Knapp, 1969, p. 367. Webster, 1977, p. 169.

Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas

*Graffhamicrinus decapodos* (Strimple and Priest, 1969). Pabian and Strimple, 1974b, p. 36, Figs. 16, nos. 5-7. Pabian and Strimple, 1980b, p. 5. Pabian and Strimple, 1985, p. 40. Webster, 1986, p. 160. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 20.

*Tholiacrinus decapodos* Strimple and Priest, 1969, p. 23, Fig. 9, nos. 1-4. Pabian and Strimple, 1974b, p. 36. Webster, 1977, p. 169. Webster, 1986, p. 160.

Pennsylvanian, late Missourian - early Virgilian, Stanton Formation; Ervine Creek Formation; Kanwaka Formation, Stull Shale Member. United States, Nebraska, Kansas

*Graffhamicrinus decoratus* (Burke, 1970). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 20.

*Paradelocrinus decoratus* Burke, 1970a, p. 10, Figs. 3, nos. a-c. Webster, 1977, p. 123.

?*Paradelocrinus decoratus* Burke, 1970. Pabian and Strimple, 1985, p. 45.

Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

*Graffhamicrinus extraneous* (Strimple, 1949). Knapp, 1969, p. 363. Webster, 1977, p. 92.

*Delocrinus extraneus* Strimple, 1949c, p. 25, Pl. 7, figs. 1-3. Knapp, 1969, p. 363. Webster, 1973, p. 101. Pabian and Strimple, 1974b, p. 14. Webster, 1977, p. 92. Webster, 1986, p. 121.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Oread Formation, Plattsmouth Limestone Member. United States, Kansas

*Graffhamicrinus grafordensis* (Moore and Plummer, 1940). New Combination  
*Endelocrinus grafordensis* Moore and Plummer, 1940, p. 306, Pl. 14, fig. 11. Bassler and Moodey, 1943, p. 451. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 3. Webster, 1973, p. 122. Webster, 1977, p. 169.

*Tholiacrinus grafordensis* (Moore and Plummer, 1940). Knapp, 1969, p. 367. Webster, 1977, p. 169.

Pennsylvanian, Missourian, Stanton Limestone, Graford Formation. United States, Kansas, Oklahoma, Texas

*Graffhamicrinus granulosus* (Moore and Plummer, 1940). Strimple, 1961g, p. 123. Webster, 1973, p. 140. Webster, 1977, p. 92. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712, Fig. 471, nos. 1h-1o. Webster, 1986, p. 160. Pabian and Rushlau, 2002, p. 20.

*Delocrinus granulosus* Moore and Plummer, 1940, p. 268, Pls. 11, figs. 5-6; 12, figs. 5-6. Moore and Strimple, 1941, p. 3, Pl. 1, figs. 1-3. Bassler and Moodey, 1943, p. 409. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 13. Strimple 1961g, p. 123. White, W. D., 1964, Fig. 20. Webster, 1973, p. 140. Webster, 1977, p. 92.

Pennsylvanian, Atokan - Desmoinesian, Mineral Well Formation; Wewoka Formation; Coody Sandstone. United States, Texas, Oklahoma

*Graffhamicrinus granulosus moniliformis* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Webster, 1973, p. 140. Pabian and Rushlau, 2002, p. 20.

*Delocrinus granulosus* var. *moniliformis* Moore and Plummer, 1940, p. 268, Pl. 12, fig. 3; 13, fig. 1. Bassler and Moodey, 1943, p. 409. Strimple, 1961g, p. 124. Webster, 1973, p. 140.

Pennsylvanian, Desmoinesian, Mineral Wells Formation. United States, Texas

*Graffhamicrinus granulosus zonatus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Webster, 1973, p. 140. Pabian and Rushlau, 2002, p. 20.

*Delocrinus granulosus* var. *zonatus* Moore and Plummer, 1940, p. 269, Pls. 11, fig. 3; 12, fig. 2. Bassler and Moodey, 1943, p. 410. Strimple, 1961g, p. 124. Webster, 1973, p. 140.

Pennsylvanian, Desmoinesian, Mineral Wells Formation. United States, Texas

*Graffhamicrinus graphicus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Webster, 1973, p. 140. Pabian and Strimple, 1974a, p. 271, Pl. 33, figs. 1-3. Pabian and Strimple, 1974b, p. 35, fig. 16, nos. 2-4. Webster, 1977, p. 92. Webster, 1986, p. 160. Pabian and Rushlau, 2002, p. 20.

*Delocrinus graphicus* Moore and Plummer, 1940, p. 273, Pl. 12, figs. 4, 11. Bassler and Moodey, 1943, p. 410. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 16. Strimple, 1961g, p. 124. Knapp, 1969, p. 365. Webster, 1973, p. 140. Webster,

1977, p. 92. Finsley, 1989, p. 96, Fig. 322. McKinzie, 1995b, p. 32, Fig. 2, no. 1  
*Catacrinus graphicus* (Moore and Plummer, 1940). Knapp, 1969, p. 365. Webster,  
 1977, p. 92.

Pennsylvanian, Missourian - Virgilian, Graford Formation, Jasper Creek Shale  
 Member; Deer Creek Formation, Ervine Creek Limestone; Oread Formation,  
 Plattsmouth Limestone Member. United States, Texas, Nebraska

*Graffhamicrinus* sp. cf. *G. graphicus* (Moore and Plummer, 1940). Strimple and Moore,  
 1971b, p. 15, Fig. 6, nos. 3-4. Webster, 1977, p. 92.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Graffhamicrinus grotesquus* Pabian and Strimple, 1980b, p. 5, Pl. 1, figs. 10-12.  
 Webster, 1986, p.161.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone Member.  
 United States, Nebraska

*Graffhamicrinus inflexus* (Geinitz, 1867) = *Subarrectocrinus inflexus*

*Graffhamicrinus kieri* (Burke, 1966). New Combination

*Endelocrinus kieri* Burke, 1966a, p. 459, Figs. 1-12. Strimple and Moore, 1971a, p.  
 14. Burke, 1972, p. 118, Figs. 1-6. Webster, 1973, p. 122. Webster, 1977, p.  
 170. Pabian and Strimple, 1980a, p. 173, Fig. 10, nos. H-J. Webster, 1986, p. 138.  
 Pabian and Strimple, 1993, p. 20, Fig. 9, nos. a-c.

*Tholiocrinus kieri* (Burke, 1966). Strimple and Moore, 1971a, p. 14. Webster, 1977,  
 p. 170.

Pennsylvanian, Missourian, ?Virgilian, Ames Limestone; Raytown Limestone;  
 South  
 Bend Limestone. United States, Ohio, West Virginia, Nebraska

*Graffhamicrinus magnificus* (Strimple, 1947). Strimple, 1961g, p. 124. Strimple, 1971c,  
 p. 998, Pl. 123, fig. 5. Webster, 1973, p. 140. Pabian and Strimple, 1974b, p. 15,  
 Figs. 6, no. 1; 15, nos. 4-6; 16, no. 1. Pabian, 1978, p. 1, Unnum. Fig. Webster,  
 1977, p. 93. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712,  
 Fig. 471, nos.1d-1g. Pabian and Strimple, 1980b, p. 5, Pl. 1, figs. 1-3. Pabian,  
 1980, p. 118. Pabian and Strimple, 1985, p. 45, Figs. 16, no. a; 19. Webster,  
 1986, p.161. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 20, Fig. 5, nos.  
 1-3.

*Delocrinus magnificus* Strimple, 1947, p. 3, Pls. 1, figs. 1-4; 2, fig. 1. Strimple,  
 1961g, p. 124. Webster, 1973, p. 140.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Haskell  
 Limestone; Cass Formation; Deer Creek Formation, Ervine Creek Limestone  
 Member; Vinland Shale. United States, Nebraska, Kansas, Iowa

*Graffhamicrinus* sp. cf. *G. magnificus* (Strimple, 1947). Pabian and Strimple, 1974a, p.  
 270, Pl. 33, figs. 8-11. Webster, 1986, p.161.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member. United  
 States, Nebraska

- Graffhamicrinus* sp. cf. *G. magnificus* (Strimple, 1947). Pabian and Strimple, 1993, p. 24, Fig. 11, nos. a-c.  
Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Nebraska, Kansas
- Graffhamicrinus megalobrachus* (Beede, 1899). Knapp, 1969, p. 363. Webster, 1977, p. 93.  
*Erisocrinus megalobrachus* Beede, 1899, p. 124, Pl. 32, figs. 1a-1b. Bassler and Moodey, 1943, p. 410. Webster, 1977, p. 93.  
*Erisocrinus megalobrachiatus* Beede, 1899. Knapp, 1969, p. 363.  
*Delocrinus megalobrachus* (Beede, 1899). Moore and Plummer, 1940, p. 152. Moore and Strimple, 1941, p. 5, Pl. 1, figs. 5-6. Bassler and Moodey, 1943, p. 410.  
Pennsylvanian, Virgilian, Howard Limestone. United States, Kansas
- Graffhamicrinus mitis* (Moore and Plummer, 1940). New Combination  
*Endelocrinus mitis* Moore and Plummer, 1940, p. 302, Pl. 12, fig. 8; Fig. 63. Bassler and Moodey, 1943, p. 451. Knapp, 1969, p. 367. Webster, 1977, p. 170.  
*Tholiacrinus mitis* (Moore and Plummer, 1940). Knapp, 1969, p. 367, Fig. 24. Webster, 1977, p. 170.  
Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas
- Graffhamicrinus nodosarius* (Strimple, 1939). Strimple, 1961g, p. 123. Knapp, 1969, p. 363. Webster, 1973, p. 140. Strimple, 1977f, p. 161, Fig. 1, nos. F-G. Webster, 1977, p. 93. Webster, 1986, p. 161. Pabian and Rushlau, 2002, p. 20.  
*Delocrinus nodosarius* Strimple, 1939a, p. 368, Pl. 1, figs. 13-14, 17. Bassler and Moodey, 1943, p. 411. Strimple, 1961g, p. 123. Webster, 1973, p. 140.  
*Delocrinus papulosus* Moore and Plummer, 1940, p. 274, Pls. 12, fig. 7; 13, fig. 4. Bassler and Moodey, 1943, p. 411. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 26. Strimple, 1961g, p. 124. Knapp, 1969, p. 365. Webster, 1973, p. 140. Webster, 1977, p. 93.  
*Catacrinus papulosus* (Moore and Plummer, 1940). Knapp, 1969, p. 365. Webster, 1977, p. 93.  
*Graffhamicrinus papulosus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Webster, 1973, p. 140. Webster, 1977, p. 93. Pabian and Rushlau, 2002, p. 20.  
Pennsylvanian, Missourian, Graford Formation; Stanton Formation. United States, Texas, Oklahoma
- Graffhamicrinus papulosus* (Moore and Plummer, 1940) = *Graffhamicrinus nodosarius*
- Graffhamicrinus parinodosarius* (Strimple, 1940). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 21.  
*Delocrinus parinodosarius* Strimple, 1940b, p. 104, Pl. 9, figs. 3, 5, 8. Bassler and Moodey, 1943, p. 411. Strimple, 1961g, p. 129. Webster, 1973, p. 122. Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90.  
*Endelocrinus parinodosarius* (Strimple, 1940). Webster, 1973, p. 122.

- Corythocrinus parinodosarius* (Strimple, 1940). Strimple, 1961g, p. 129. Webster, 1973, p. 122.
- Tholiacrinus parinodosarius* (Strimple, 1940). Strimple, 1962d, p. 136. Knapp, 1969, p. 367. Webster, 1973, p. 122. Webster, 1977, p. 170.  
Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma
- Graffhamicrinus paucinodus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Webster, 1973, p. 140. Webster, 1977, p. 93. Pabian and Strimple, 1980b, p. 5, Pl. 1, figs. 7-9. Webster, 1986, p. 161. Pabian and Rushlau, 2002, p. 21.
- Delocrinus paucinodus* Moore and Plummer, 1940, p. 276, Pl. 13, fig. 2. Bassler and Moodey, 1943, p. 411. Strimple, 1961g, p. 124. Knapp, 1969, p. 365. Webster, 1973, p. 140. Pabian and Strimple, 1974a, p. 265, Pl. 37, figs. 6-8. Webster, 1977, p. 93. Webster, 1986, p. 122.
- Catacrinus paucinodus* (Moore and Plummer, 1940). Knapp, 1969, p. 365. Webster, 1977, p. 93.  
Pennsylvanian, Missourian - Virgilian, Oread Formation, Heumader Shale Member; Palo Pinto Formation; Cass Formation, Haskell Limestone Member.  
United States, Nebraska, Texas
- Graffhamicrinus pennsylvanicus* (Burke, 1970). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90. Pabian and Rushlau, 2002, p. 21.
- Endelocrinus pennsylvanicus* Burke, 1970a, p. 5, Fig. 2, nos. a-e. Webster, 1977, p. 77. Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 90.  
Pennsylvanian, Missourian, Ames Limestone. United States, Pennsylvania, West Virginia
- Graffhamicrinus pictus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124. Knapp, 1969, p. 363. Webster, 1973, p. 140. Webster, 1977, p. 93. Pabian and Rushlau, 2002, p. 21.
- Delocrinus pictus* Moore and Plummer, 1940, p. 270, Pls, 12, fig. 1; 13, fig. 5; Fig. 56. Bassler and Moodey, 1943, p. 411. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 12. Strimple, 1961g, p. 124. Webster, 1973, p. 140.  
Pennsylvanian, Missourian, Graford Formation. United States, Texas
- Graffhamicrinus profundus* Strimple, 1971c, p. 998, Pl. 123, figs. 1-3. Webster, 1977, p. 93. Pabian and Rushlau, 2002, p. 21.  
Pennsylvanian, Virgilian, Vinland Shale. United States, Kansas
- Graffhamicrinus rectus* (Moore and Plummer, 1940). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91. Pabian and Rushlau, 2002, p. 21.
- Endelocrinus rectus* Moore and Plummer, 1940, p. 300, Pl. 14, figs. 3-5; Fig. 63. Bassler and Moodey, 1943, p. 451. Strimple, 1961g, p. 129. Webster, 1973, p. 122. Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91.
- Corythocrinus rectus* (Moore and Plummer, 1940). Strimple, 1961g, p. 129. Webster, 1973, p. 122.

*Tholiacrinus rectus* (Moore and Plummer, 1940). Strimple, 1962d, p. 136. Knapp, 1969, p. 367. Strimple and Watkins, 1969, p. 179, Pl. 44, figs. 1-3, 7-8. Webster, 1973, p. 122. Webster, 1977, p. 170.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member; Holdenville Shale. United States, Texas, Oklahoma

*Graffhamicrinus rimulatus* (Strimple, 1962). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91. Pabian and Rushlau, 2002, p. 21.

*Tholiacrinus rimulatus* Strimple, 1962e, p. 19, Pl. 7, figs. 11-14. Patterson, 1963, Fig. 3. Knapp, 1969, p. 367. Webster, 1973, p. 122. Webster, 1977, p. 170. Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91.

*Endelocrinus rimulatus* (Strimple, 1962). Webster, 1973, p. 122.

Pennsylvanian, Desmoinesian, Oologah Formation. United States, Oklahoma

*Graffhamicrinus somersi* (Whitfield, 1882). Strimple, 1961g, p. 124. Strimple, 1969d, p. 16, Fig. 4, nos. 8-10. Webster, 1973, p. 140. Webster, 1977, p. 93. Pabian and Rushlau, 2002, p. 21.

*Cyathocrinus somersi* Whitfield, 1882c, p. 226. Miller, S. A., 1889, p. 237.

Whitfield, 1891, p. 596, Pl. 15, figs. 4-5. Whitfield, 1893a, p. 482, Pl. 11, figs. 4-5.

Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 412. Strimple, 1961g, p. 124. Webster, 1973, p. 140.

*Delocrinus somersi* (Whitfield, 1882). Moore and Plummer, 1940, p. 73, 255.

Bassler and Moodey, 1943, p. 412. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 15. Webster, 1973, p. 140.

Pennsylvanian, Desmoinesian, McArthur Limestone, Bogs Limestone; Pottsville Group. United States, Ohio

*Graffhamicrinus stullensis* (Strimple, 1947) = *Cathetocrinus stullensis*

*Graffhamicrinus subcoronatus* (Moore and Plummer, 1940). Strimple, 1961g, p. 124.

Knapp, 1969, p. 363. Webster, 1973, p. 141. Pabian and Strimple, 1974a, p. 271, Pl. 37, figs. 9-11. Pabian and Strimple, 1974b, p. 15. Webster, 1977, p. 93. Pabian and Strimple, 1980b, p. 5, Pl. 1, figs. 4-6. Pabian and Strimple, 1985, p. 46, Figs. 20, nos. a-f; 21, nos. a-c. Webster, 1986, p. 161. Webster, 1988, p. 91. Pabian and Rushlau, 2002, p. 21, Fig. 5, nos. 4-12.

*Delocrinus subcoronatus* Moore and Plummer, 1940, p. 280, Pl. 17, fig. 1. Bassler and Moodey, 1943, p. 412. Strimple, 1961g, p. 124. Webster, 1973, p. 141.

Pennsylvanian, Missourian - Virgilian, Kanwaka Formation, Stull Shale Member; Mineral Wells Formation; Hogshooter Formation, Haskell Formation; Cass Formation; Toronto Limestone; Stanton Formation, South Bend Limestone Member. United States, Nebraska, Kansas, Texas

*Graffhamicrinus tetraspinosus* Pabian and Strimple, 1974a, p. 269, Pls. 34, figs. 8-11; 35, figs. 8-9. Webster, 1986, p. 162. Pabian and Rushlau, 2002, p. 21.

Pennsylvanian, Virgilian, Curzon Limestone. United States, Nebraska



- Graffhamicrinus tulsaensis* Strimple, 1962e, p. 16, Pl. 4, figs. 1-4. Knapp, 1969, p. 363. Webster, 1973, p. 141. Webster, 1977, p. 93. Pabian and Rushlau, 2002, p. 21. Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Graffhamicrinus undulatus* (Strimple, 1961). Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91. Pabian and Rushlau, 2002, p. 21.  
*Corythocrinus undulatus* Strimple, 1961g, p. 129, Pl. 13, figs. 3-6. Webster, 1973, p. 122. Pabian and Strimple, 1985, p. 45. Webster, 1988, p. 91.  
*Endelocrinus undulatus* (Strimple, 1961). Webster, 1973, p. 122.  
 \**Tholiacrinus undulatus* (Strimple, 1961). Strimple, 1962d, p. 136. Knapp, 1969, p. 367. Webster, 1973, p. 122. Webster, 1977, p. 170.  
 Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma
- Graffhamicrinus variabilis* Strimple, 1962e, p. 17, Pl. 4, figs. 5-8. Webster, 1973, p. 141. Pabian and Rushlau, 2002, p. 21.  
 Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Graffhamicrinus verus*(Moore and Plummer, 1940) = *Delocrinus verus*
- Graffhamicrinus waughi* (Moore and Strimple, 1941). Strimple, 1961g, p. 124. Webster, 1973, p. 141. Webster, 1977, p. 94. Pabian and Rushlau, 2002, p. 21.  
*Delocrinus waughi* Moore and Strimple, 1941, p. 9, Pl. 1, fig. 7. Bassler and Moodey, 1943, p. 413. Branson, C. C., 1948, p. 191. Strimple, 1961g, p. 124. Knapp, 1969, p. 363. Webster, 1973, p. 141.  
 Permian, Wolfcampian, Foraker Formation, Hughes Creek Shale Member. United States, Kansas
- Graffhamicrinus* sp. cf. *G. waughi* (Moore and Strimple, 1941). Pabian and Strimple, 1974a, p. 302, Pl. 41, figs. 1-3. Webster, 1986, p.162.  
 Permian, Wolfcampian, Foraker Formation, Hughes Creek Shale Member. United States, Kansas
- Graffhamicrinus wolforum* (Moore and Plummer, 1940). Strimple, 1961g, p. 123. Webster, 1973, p. 141. Pabian and Rushlau, 2002, p. 21.  
*Delocrinus wolforum* Moore and Plummer, 1940, p. 278, Pl. 12, fig. 9. Bassler and Moodey, 1943, p. 413. Hattin, 1958, p. 701, Pl. 98, figs. 1-6. Strimple, 1961g, p. 123. Knapp, 1969, p. 366. Webster, 1973, p. 141. Webster, 1977, p. 106.  
*Lobalocrinus wolforum* (Moore and Plummer, 1940). Knapp, 1969, p. 366. Webster, 1977, p. 106. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 470, no. 4. Webster, 1986, p. 190. Pabian and Rushlau, 2002, p. 21.  
 Pennsylvanian, Virgilian, Graham Formation. United States, Texas
- Graffhamicrinus* spp.  
 Strimple and Cocke, 1973, p. 154. Webster, 1977, p. 94.  
 Pennsylvanian, Missourian, Winterset Limestone. United States, Oklahoma  
 Pabian and Strimple, 1985, p. 48, Fig. 21, nos. d-f. Webster, 1988, p. 91.  
 Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United

States, Nebraska  
 Finsley, 1989, p. 96, Figs. 25, 328.  
 Pennsylvanian. United States, Texas

*Grammocrinus* Eichwald, 1860. Rozhnov, 2002, p. S539, Fig. 12. (diagramatic)

**GRAPHIOCRINUS** de Koninck and Le Hon, 1854. \**G. encrinoides* de Koninck and Le Hon, 1854.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
 Graphiocrinidae

de Koninck and Le Hon, 1854, p. 115. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 238. Pictet, 1857, p. 327. Dujardin and Hupé, 1862, p. 148. Zittel, 1880, p. 343, 359. Wachsmuth and Springer, 1880 (1879), p. 62 (285). Wachsmuth and Springer, 1886, p. 252 (176). Miller, S. A., 1889, p. 251. Bather, 1890b, p. 334. Miller, S. A., 1892a, p. 679. Zittel, 1895, p. 137, Fig. 266. Koken, 1896, p. 282. Miller, S. A., 1897, p. 747. Bather *in* Lankester, 1900, p. 180. Wachsmuth *in* Zittel, 1900, p. 160, Fig. 266. Springer *in* Zittel, 1913, p. 225. Wanner, 1924, p. 180. Bassler, 1938, p. 106. Moore and Plummer, 1940, p. 312. Bassler and Moodey, 1943, p. 495. Moore and Laudon, 1943b, p. 60. Moore and Laudon, 1944, p. 171. Branson, C. C., 1948, p. 194. Cuénot, 1948, p. 61. Tien and Mu, 1955, p. 93, fig. 35. Xu, Shan, and Chang, 1962, p. 118, Fig. 1, no. a. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 141. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707. Tianjin Institute of Geology and Mineral Resources, 1985, p. 511. Webster, 1986, p. 162. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 65. Lane, Waters, and Maples, 1997, p. 39. Webster and Maples, 2006, p. 193, Fig. 4, no. B.

**GRAPHYOCRINUS** Tien, 1926, p. 40. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 495.

**SCAPHIOCRINUS** Hall, 1858c, p. 550. \**S. simplex* Hall, 1858. Shumard, 1868, p. 395. Sladen, 1878, p. 247. Miller, S. A., 1889, p. 279. Miller, S. A., 1897, p. 753. Bassler, 1938, p. 167. Bassler and Moodey, 1943, p. 495. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707.

**POTERIOCRINUS (SCAPHIOCRINUS)** Zittel, 1895, p. 136, Fig. 264.

Named, currently recognized species based on cups or crowns: species. 24 species,

2 subspecies. 7 Mississippian, 1 Tournaisian, 5 Viséan, 1 series undesignated; 2 Pennsylvanian, 1 Moscovian?, 1 series undesignated; 15 Permian, 2 Artinskian, 1 Wolfcampian, 2 Wordian, 10 series undesignated, 2 subspecies series undesignated

Mississippian, Tournaisian - Viséan. United Kingdom; Ireland

Mississippian, Viséan (Osagean), Pennsylvanian, Missourian. United States

Pennsylvanian, series not designated. Pakistan

Pennsylvanian, Moscovian, Permian, Artinskian. Russia

Permian, Wordian. Sicily

Permian, series uncertain. West Timor

**Note:** Although included, I consider most of the West Timor species assigned or recombined to *Graphiocrinus* to be incorrectly assigned to the genus. This may also hold true for all Permian *Graphiocrinus* species; GDW, 2011. Early?

Carboniferous. China

*Graphiocrinus admonitus* Miller, 1891 = *Missouricrinus admonitus*

*Graphiocrinus amplior* Wanner, 1924, p. 233, Pl. 15, figs. 11-13. Bassler and Moodey, 1943, p. 496. Branson, C. C., 1948, p. 194. Wanner, 1949a, p. 17, Pl. 1, fig. 16. Webster, 1973, p. 141.  
Permian, series uncertain. West Timor, Basleo

*Graphiocrinus antiquus* (Meek and Worthen, 1869) = *Nactocrinus antiquus*

*Graphiocrinus? austini* Wright, 1952 = *Erincrinus austini*

*Graphiocrinus? beyrichi* (Wanner, 1916). Wanner, 1949a, p. 24. Webster, 1973, p. 141.

*Delocrinus beyrichi* Wanner, 1916, p. 190, Pl. 107 (12), fig. 1. Bassler and Moodey, 1943, p. 408. Branson, C. C., 1948, p. 189. Wanner, 1949a, p. 24. Webster, 1973, p. 141.

Permian, series uncertain. West Timor

*Graphiocrinus bridgeportensis* Strimple, 1951 = *Contocrinus? bridgeportensis*

*Graphiocrinus carbonarius* (Meek and Worthen, 1861) = *Apographiocrinus carbonarius*

?*Graphiocrinus carbonarius* Wachsmuth and Springer, 1880 = *Apographiocrinus carbonarius*

*Graphiocrinus carbonarius* Strimple, 1938 (*non* Wachsmuth and Springer, 1880) = *Apographiocrinus typicalis*

*Graphiocrinus? crassus* (Wanner, 1924). Wanner, 1949a, p. 26. Webster, 1973, p. 141.

*Ceriocrinus crassus* Wanner, 1924, p. 240, Pl. 17, figs. 1-3. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190. Wanner, 1949a, p. 26. Webster, 1973, p. 141.

*Delocrinus crassus* (Wanner, 1924). Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190.

Permian, series uncertain. West Timor, Basleo

*Graphiocrinus cristatus* Yakovlev in Yakovlev and Ivanov, 1956, p. 50, Pl. 12, fig. 10. Webster, 1973, p. 141.

Pennsylvanian, Moscovian?. Russia, southern Urals

*Graphiocrinus dactylus* Hall, 1859 = *Poteriocrinus (Scytalocrinus) dactylus* = *Scytalocrinus dactylus* = *Cymbiocrinus dactylus*

- Graphiocrinus declivis* Wanner, 1937, p. 172, Pl. 11, figs. 13-16. Bassler and Moodey, 1943, p. 496. Branson, C. C., 1948, p. 194.  
Permian, series uncertain. West Timor, Basleo
- Graphiocrinus? declivis* Wanner, 1937. Wanner, 1949a, p. 27. Webster, 1973, p. 141.  
Permian, series uncertain. West Timor
- Graphiocrinus deflectus* Strimple, 1962 = *Contocrinus deflectus*
- Graphiocrinus delicatulus* Moore, 1939 = *Contocrinus delicatulus* = ?*Palmatocrinus delicatulus* = *Contocrinus delicatulus*
- Graphiocrinus? depressus* (Mansuy, 1912). Branson, C. C., 1948, p. 194 (recognized as a homonym of Meek and Worthen, 1870).  
*Scaphiocrinus depressus* Mansuy, 1912a, p. 97, Pl. 18, figs. 2a-2e. Bassler and Moodey, 1943, p. 671. Branson, C. C., 1948, p. 194.  
Mississippian?, series not designated. Yunnan, China
- Graphiocrinus? depressus* (Wanner, 1916) (non Mansuy, 1921). Wanner, 1949a, p. 21, Pls. 1, figs. 26-27; 2, fig. 1. Webster, 1973, p. 141.  
*Delocrinus depressus* Wanner, 1916, p. 187, Pls. 107 (12), fig. 4; 108 (13), figs. 8-12. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190. Wanner, 1949a, p. 21. Webster, 1973, p. 141.  
*Ceriocrinus depressus* (Wanner, 1916). Wanner, 1924, p. 237, Pl. 17, figs. 16-18. Diener, 1927, p. 11, Pl. 2, figs. 4a-4c. Branson, C. C., 1948, p. 190.  
Permian, series uncertain. West Timor, Basleo, Fatu Tonini
- Graphiocrinus? cf. depressus* (Wanner, 1916). Wanner, 1949a, p. 22, Pl. 2, figs. 2-4. Webster, 1973, p. 142.  
Permian, series uncertain. West Timor
- Graphiocrinus? depressus* var. *labiosa* Wanner, 1949a, p. 23, Pl. 2, figs. 5-7. Webster, 1973, p. 142.  
Permian, series uncertain. West Timor
- Graphiocrinus elenae* Yakovlev, 1930 = *Aesiocrinus elenae* = *Polusocrinus elenae*
- \**Graphiocrinus encrinoides* de Koninck and Le Hon, 1854, p. 117, Pl. 4, figs. 15-15b. Pictet, 1857, p. 328, Pl. 101, fig. 11. Dujardin and Hupé, 1862, p. 148. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 496. Wright, J., 1952a, p. 103, Pl. 36, fig. 6. Webster, 1973, p. 142. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, no. 3. Webster, 1986, p. 162. Ausich and Sevastopulo, 1994, p. 249, Fig. 6. Ausich and Sevastopulo, 2001, p. 111, Pl. 12, figs. 7-15; Fig. 14, nos. C-D, F.  
*Synbathocrinus conicus* (Philips); Austin and Austin, 1847 (part). Ausich and Sevastopulo, 2001, p. 111.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds, Supradolomite Beds, *Chonetes* Beds. Belgium; United Kingdom; Ireland.

*Graphiocrinus? excavatissimus* (Wanner, 1916). Wanner, 1949a, p. 24, Pl. 2, fig. 8. Webster, 1973, p. 142.

*Delocrinus excavatissimus* Wanner, 1916, p. 198, Pl. 108 (13), figs. 6-7. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190. Wanner, 1949a, p. 24. Webster, 1973, p. 142.

*Ceriocrinus excavatissimus* (Wanner, 1916). Wanner, 1924, p. 242, Pl. 17, figs. 4, 12-13. Branson, C. C., 1948, p. 190.

Permian, series uncertain. West Timor, Basleo

*Graphiocrinus? excavatissimus* var. *ornata* Wanner, 1949a, p. 25, Pl. 2, figs. 9-11. Webster, 1973, p. 142.

Permian, series uncertain. West Timor

*Graphiocrinus exornatus* Wanner, 1916 = *Paragraphiocrinus exornatus*

*Graphiocrinus fermanaghensis* Wright, J., 1952a, p. 105, Pl. 36, figs. 5-5a. Webster, 1973, p. 142.

Mississippian, Viséan. Ireland

*Graphiocrinus fossatotuberculatus* Yakovlev, 1934, p. 277, Pl. 19, fig. 13. Bassler and Moodey, 1943, p. 496. Branson, C. C., 1948, p. 194.

Permian, Wordian, Sosio Beds. Sicily

*Graphiocrinus harei* (Miller and Gurley, 1890) = *Aesiocrinus harii*

*Graphiocrinus houkouensis* Tien, 1926 = *Delocrinus houkouensis*

*Graphiocrinus? indicus* Wanner, 1916 = *Synphocrinus indicus*

*Graphiocrinus? kansasensis* Strimple, 1963a, p. 73, Pl. 12, figs. 1-4. Webster, 1973, p. 142.

Permian, Wolfcampian, Bennett Shale. United States, Kansas

*Graphiocrinus kingi* Moore and Plummer, 1940 = *Contocrinus kingi*

*Graphiocrinus lineatus* Strimple, 1963 = *Contocrinus lineatus*

*Graphiocrinus longicirriifer* Wachsmuth and Springer, 1889 = *Holcocrinus longicirriifer*

*Graphiocrinus macadamsi* (Meek and Worthen, 1873) = *Graphiocrinus mcadamsi* = *Acylocrinus mcadamsi*

*Graphiocrinus mcadamsi* (Meek and Worthen, 1873). Weller, S., 1898c, p. 301. Van Sant in Van Sant and Lane, 1964, p. 83, Pl. 3, fig. 3. Webster, 1973, p. 142.

Frest and Strimple, 1977d, p. 860, Figs. 1, no. A; 2, no. A. Webster, 1986, p. 282. Kammer and Ausich, 1992, p. 468. Kammer and Ausich, 1993, p. 618. *Poteriocrinites (Scaphiocrinus) mcadamsi* Worthen, Ms. in Meek and Worthen, 1873, p. 495, Pl. 15, fig. 2. Bassler and Moodey, 1943, p. 496. *Poteriocrinites (Scaphiocrinus) mcadamis* Worthen, Ms. in Meek and Worthen, 1873. Webster, 1986, p. 282 (sic). *Graphiocrinus macadamsi* (Meek and Worthen, 1873). Miller, S. A., 1889, p. 251. *Scaphiocrinus macadamsi* (Meek and Worthen, 1873). Miller, S. A., 1889, p. 280. *Scytalocrinus? mcadamsi* (Meek and Worthen, 1873). Weller, S., 1898c, p. 301. Webster, 1986, p. 282. Kammer and Ausich, 1993, p. 618. Mississippian, Viséan (late Osagean), Keokuk Limestone, lower part of Warsaw Formation. United States, Illinois, Iowa

*Graphiocrinus mcadamsi* (Meek and Worthen), Van Sant, 1964 = *Scytalocrinus robustus* = *Parascytalocrinus hamiltonensis*

*Graphiocrinus notatus* (Miller and Gurley, 1896) = *Nactocrinus notatus*

*Graphiocrinus ovoides* Wanner, 1949a, p. 19, Pl. 1, figs. 20-25. Webster, 1973, p. 142. Permian, series uncertain. West Timor

*Graphiocrinus pumilus* (Wanner, 1916) = *Apographiocrinus pumilus*

*Graphiocrinus punctatus* Wanner, 1924 = *Paragraphiocrinus? punctatus*

*Graphiocrinus 14-brachialis* Lyon, 1857 = *\*Eupachycrinus quatuordecembrachialis*

*Graphiocrinus quatuordecembrachialis* Lyon, 1857 = *\*Eupachycrinus quatuordecembrachialis*

*Graphiocrinus quator-decembrachialis* Lyon, 1857 = *\*Eupachycrinus quatuordecembrachialis*

*Graphiocrinus quinquelobus* Wanner, 1916 = *Apographiocrinus quinquelobus*

*Graphiocrinus? rotundatus* (Wanner, 1916). Wanner, 1949a, p. 27, Pl. 2, fig. 17; Fig. 11. Webster, 1973, p. 142.

*Delocrinus rotundatus* Wanner, 1916, p. 200, Pls. 107 (12), fig. 3; 108 (13), fig. 3. Bassler and Moodey, 1943, p. 411. Branson, C. C., 1948, p. 191. Wanner, 1949a, p. 27. Webster, 1973, p. 142. Permian, series uncertain. West Timor, Basleo

*Graphiocrinus rotundatus* Yakovlev, 1938 (non Wanner, 1916), p. 116, Pl. 4, fig. 3. Bassler and Moodey, 1943, p. 497. Branson, C. C., 1948, p. 195. Permian, Wordian, Sosio Beds. Sicily

*Graphiocrinus rudis* (Meek and Worthen, 1870) = *Acylocrinus rudis* = *Ramulocrinus rudis*

*Graphiocrinus? rugosus* (Wanner, 1916) = *Apographiocrinus rugosus*

*Graphiocrinus sampsoni* Weller, 1909 = *Acylocrinus sampsoni*

*Graphiocrinus scopulus* Lane and Webster, 1966 = *Contocrinus scopulus*

*Graphiocrinus scrobiculatus* (Wanner, 1924) = \**Laccocrinus scrobiculatus*

*Graphiocrinus simplex* (Hall, 1858). Wachsmuth and Springer, 1880 (1879), p. 123. Miller, S. A., 1889, p. 251. Weller, S., 1898c, p. 301. Springer, 1911c, p. 145. Bassler and Moodey, 1943, p. 497. (Not a *Graphiocrinus*, GDW.)  
*Poteriocrinus (Scaphiocrinus) simplex* Hall, 1858c, p. 551, Pl. 9, fig. 10. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 497.  
*Scaphiocrinus simplex* (Hall, 1858). Shumard, 1868, p. 396. Miller, S. A., 1889, p. 280. Bassler, 1938, p. 167.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Graphiocrinus smythi* Wright, 1934 = *Holcocrinus smythi*

*Graphiocrinus spinobrachiatus* Hall, 1861 = *Holcocrinus spinobrachiatus*

*Graphiocrinus stantonensis* Strimple, 1939 = \**Contocrinus stantonensis*

*Graphiocrinus striatus* (Meek and Worthen, 1870) = *Acylocrinus striatus*

*Graphiocrinus subamplior* Wanner, 1949a, p. 18, Pl. 1, figs. 17-19. Webster, 1973, p. 143.  
 Permian, series uncertain. West Timor

*Graphiocrinus subimpressus* (Meek and Worthen, 1861). Springer, 1911c, p. 145. Bassler and Moodey, 1943, p. 498. (Not a *Graphiocrinus*, GDW.)  
*Scaphiocrinus subimpressus* Meek and Worthen, 1861, p. 138. Bassler, 1915, p. 549.  
*Poteriocrinus subimpressus* Meek and Worthen, 1861. Meek and Worthen, 1868c, p. 485, Pl. 18, figs. 1a-1b; Unnum. Fig. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 275, Fig. 406. Bassler, 1915, p. 549. Bassler and Moodey, 1943, p. 498.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Graphiocrinus timanicus* Yakovlev in Yakovlev and Ivanov, 1956, p. 74, Pl. 21, fig. 2. Arendt and Hecker, 1964, p. 89, Pl. 12, fig. 2. Webster, 1973, p. 143.  
 Permian, Artinskian. Russia, Timan

*Graphiocrinus West Timoricus* Wanner, 1916 = *Tapinocrinus West Timoricus*

*Graphiocrinus? West Timoricus* Wanner, 1916 = *Tapinocrinus West Timoricus*

*Graphiocrinus West Timoricus spinosa* Wanner, 1924 = *Tapinocrinus spinosus*

*Graphiocrinus West Timoricus* var. *spinosa* Wanner, 1924 = *Tapinocrinus spinosus*

*Graphiocrinus? West Timoricus* var. *spinosa* Wanner, 1924 = *Tapinocrinus spinosus*

*Graphiocrinus tortuosus* (Hall, 1861) = *Acylocrinus tortuosus*

*Graphiocrinus treuteri* (Yakovlev, 1927). Yakovlev in Yakovlev and Ivanov, 1956, p. 64, Pl. 11, fig. 13. Webster, 1973, p. 143.  
Permian, Artinskian. Russia, Ural Mountains

*Graphiocrinus verbeeki* (Wanner, 1916). Wanner, 1949a, p. 12, Pl. 1, figs. 3-8.  
Webster, 1973, p. 143.

*Delocrinus verbeeki* Wanner, 1916, p. 192, Pls. 107 (12), figs. 5-6, 9; 109 (14), fig. 7. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 191. Wanner, 1949a, p. 12. Webster, 1973, p. 143.

*Ceriocrinus verbeeki* (Wanner, 1916). Wanner, 1924, p. 238, Pl. 17, fig. 5. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 191.

*Delocrinus verbeeki levis* Wanner, 1916, p. 194. Bassler and Moodey, 1943, p. 412. Branson, C. C., 1948, p. 191.

*Delocrinus verbeeki* var. *levis* Wanner, 1916. Wanner, 1949a, p. 12. Webster, 1973, p. 143.

*Delocrinus beyrichi nustoiensis* Wanner, 1916, p. 191, Pl. 107 (12), fig. 2. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 189.

*Delocrinus beyrichi* var. *nustoiensis* Wanner, 1916. Wanner, 1949a, p. 12. Webster, 1973, p. 143.

Permian, series uncertain. West Timor, Basleo

*Graphiocrinus wachsmuthi* (Meek and Worthen, 1861) = *Holcocrinus wachsmuthi*

*Graphiocrinus waysidensis* (Strimple, 1939) = \* *Euerisocrinus waysidensis*

*Graphiocrinus whitei* (Meek and Worthen, 1869). Springer, 1911c, p. 145. Bassler and Moodey, 1943, p. 498.

*Erisocrinus whitei* Meek and Worthen, 1869a, p. 72. Meek and Worthen, 1873, p. 448, Pl. 2, fig. 2. Weller, S., 1898c, p. 253. Bassler and Moodey, 1943, p. 498.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Graphiocrinus yarkhunensis* Reed, 1925, p. 18, Pl. 2, figs. 1-1b, 27. Bassler and Moodey, 1943, p. 498. Branson, C. C., 1948, p. 195.



Pennsylvanian, series uncertain. Pakistan, Chitral

*Graphiocrinus* sp. Lane et al., 1996 (part) = *Binariacrinus alveus*

*Graphiocrinus* sp. Lane et al., 1996 (part) = *Bassocrinus abyssus*

?*Graphiocrinus* sp. Waters et al., 2003, p. 946.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

?*Graphiocrinus* species Lane, Waters, and Maples, 1997 (part) = *Sostronocrinus quadribrachiatus*

**GRAPHYOCRINUS** Tien, 1926 = **GRAPHIOCRINUS**

*Graphyocrinus houkouensis* Tien, 1926 = *Graphiocrinus houkouensis* = *Delocrinus houkouensis*

**GRENPRISIA** Moore, 1962. \**Ottawacrinus billingsi* Springer, 1911.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Moore, 1962b, p. 38. Webster, 1973, p. 143. Moore and Lane *in* Moore and Teichert, 1978, p. T611. Webster, 1986, p. 162. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 2 Ordovician species, 1 Sandbian – Katian, 1 Katian

Ordovician, Sandbian – Katian (Champlainian). Canada, Ontario

\**Grenprisia billingsi* (Springer, 1911). Moore, 1962b, p. 38. Webster, 1973, p. 143.

*Ottawacrinus billingsi* Springer, 1911a, p. 40, Pl. 4, figs. 1-4. Bassler, 1915, p. 926.

Bassler and Moodey, 1943, p. 577. Moore and Laudon, 1944, p. 158, Pl. 53, fig. 23. Moore, 1962b, p. 38. Webster, 1973, p. 143. Brower and Veinus, 1978, p. 443, Pl. 13, figs. 1-4. Moore and Lane *in* Moore and Teichert, 1978, p. T611, Fig. 397, nos. 2a-2g. Webster, 1986, p. 162.

Ordovician, Sandbian – Katian (Champlainian), Hull Limestone. Canada, Ontario

*Grenprisia springeri* Moore, 1962b, p. 38. Webster, 1973, p. 143. Moore and Lane *in*

Moore and Teichert, 1978, p. T612, Fig. 397, no. 2h. Webster, 1986, p. 162.

*Ottawacrinus typus* Springer, 1911a (*non* Billings, 1887), p. 37, Pl. 4, figs. 5-7.

Moore, 1962b, p. 38. Webster, 1973, p. 187.

Ordovician, Katian (Champlainian), Hull Limestone. Canada, Ontario

**GRIPHOCRINUS** Kirk, 1945. \**Rhodocrinus (Acanthocrinus) nodulosus* Hall, 1862.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Kirk, 1945a, p. 350. Ubaghs, 1953, p. 737. Webster, 1973, p. 143. Ubaghs *in* Moore and Teichert, 1978, p. T434. McIntosh, 1981a, p. 948. Webster, 1986, p. 162. Webster, 1988, p. 91.

Named, currently recognized species based on cups or crowns: 5 Devonian species, 1 Emsian, 1 Eifelian, 3 Givetian,

Devonian, Givetian. United States  
 Middle Devonian, Couvinian. Spain  
 Middle Devonian, late Emsian - Eifelian. Algeria

*Griphocrinus halli* (Lyon, 1862). Kirk, 1945a, p. 351. Webster, 1973, p. 143.

*Rhodocrinus halli* Lyon, 1862, p. 412, Pl. 4, figs. 5a-5b. Shumard, 1868, p. 394.  
 Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 277. Bassler, 1915, p. 439.  
 Bassler and Moodey, 1943, p. 424. Kirk, 1945a, p. 355. Webster, 1973, p. 143.

*Thysanocrinus halli* (Lyon, 1862). Wachsmuth and Springer, 1897, p. 196, Pl. 13, figs. 9a-9b. Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.

*Dimerocrinus halli* (Lyon, 1862). Bassler, 1915, p. 439. Bassler and Moodey, 1943, p. 424.

*Dimerocrinites halli* (Lyon, 1862). Bassler and Moodey, 1943, p. 424.

Devonian, Givetian, Beechwood Limestone; Sellersburg Limestone. United States, Kentucky

*Griphocrinus insculptus* (Goldring, 1935). Kirk, 1945a, p. 352. Webster, 1973, p. 143.

*Rhodocrinus insculptus* Goldring, 1935b, p. 349, Pl. 25, fig. 1. Bassler and Moodey, 1943, p. 664. Kirk, 1945a, p. 352. Webster, 1973, p. 143.

*Rhodocrinites insculptus* (Goldring, 1935). Bassler and Moodey, 1943, p. 664.  
 Devonian, Givetian, Tichenor Limestone. United States, New York

\**Griphocrinus nodulosus* (Hall, 1862). Kirk, 1945a, p. 352. Ubaghs in Moore and Teichert, 1978, p. T434, Fig. 243, no. 5. Webster, 1986, p. 163.

*Rhodocrinus (Acanthocrinus) nodulosus* Hall, 1862a, p. 9. Hall, 1862b, p. 126.

Shumard, 1868, p. 394. Hall, 1872c, Pl. 1-A, fig. 8. Miller, S. A., 1889, p. 278.

Bassler and Moodey, 1943, p. 425. Kirk, 1945a, p. 352. Webster, 1973, p. 143.

*Rhodocrinus nodulosus* Hall, 1862. Wachsmuth and Springer, 1897, p. 225, Pl. 13, fig. 8. Goldring, 1923, p. 89, Pl. 2, figs. 1, 3-5 (*non* fig. 2). Bassler and Moodey, 1943, p. 425.

*Rhodocrinites nodulosus* (Hall, 1862). Le Maitre, 1952, p. 96, Pl. 22, figs. 10-12; Fig. 8. Webster, 1973, p. 110.

*Gryphocrinus (Rhodocrinites) nodulosus* (Hall, 1862). Le Maitre, 1954, p. 2108

*Dimerocrinites nodulosus* (Hall, 1862). Bassler and Moodey, 1943, p. 425.

Webster, 1973, p. 110.

Devonian, Givetian, Hamilton Group, Moscow Shale, Tichenor Horizon. United States, New York

Devonian, early Eifelian. Algeria

*Griphocrinus nodulosus* (Hall), Le Maitre, 1958 = *Griphocrinus saourensis*

*Griphocrinus ovetensis* Breimer, 1962a, p. 15, Pl. 1, figs. 1-2; Fig. 1. Webster, 1973, p. 143. McIntosh, 1981a, p. 948. Webster, 1988, p. 91.

Devonian, Eifelian (Couvinian). Spain

*Griphocrinus saourensis* Le Menn, 1997a, p. 132, Pl. 4, fig. 16.

*Griphocrinus nodulosus* (Hall), Le Maitre, 1958b, p. 128. Webster, 1973, p. 143.  
Le Menn, 1997b, p. 132.  
Devonian, late Emsian, Chefar el Ahmar Formation. Algeria

*Griphocrinus wachsmuthi* (Oehlert, 1886) = *Neoarchaeocrinus wachsmuthi*

Group Apicals Pitakpaivan, Ingavet, and Pariwatvorn, 1969, p. 59, Pl. 14, figs. 3-5  
(poteriocrinid cup). Webster, 1977, p. 181.  
Carboniferous. Thailand

Group Facetals Pitakpaivan, Ingavet, and Pariwatvorn, 1969, p. 59, Pl. 14, figs. 6-8  
(radial, poteriocrinid). Webster, 1977, p. 181.  
Carboniferous. Thailand

Group of Burlington crinoids Stinchcomb, 2008, p. 130, Figs. 07-070-07-071.  
Mississippian, Osagean, Burlington Formation. United States, Missouri, Springfield

Group of Keokuk crinoids Stinchcomb, 2008, p. 131, Figs. 07-075-07-076.  
Mississippian, late Osagean, Keokuk Formation. United States, locality not given

*Gryphocrinus (Rhodocrinites) nodulosus* Hall, 1862 = *Griphocrinus nodulosus*

**GRYPOCRINUS** Strimple, 1963. \**G. genuinus* Strimple, 1963.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Strimple, 1963d, p. 59. Brower, 1966, p. 628. Kesling and Sigler, 1969, p. 347,  
Figs. 6-10. Webster, 1973, p. 144. Webster, 1977, p. 94. Moore and Lane *in*  
Moore and Teichert, 1978, p. T532. Ausich, 1984a, p. 1183. Webster, 1986, p.  
163. Webster, 1988, p. 91. Harvey and Ausich, 1997, p. 302. Ausich, 1998b, p.  
27.

Named, currently recognized species based on cups or crowns: 2 Silurian, Niagaran  
species

Silurian, Niagaran. United States

\**Grypocrinus genuinus* Strimple, 1963d, p. 59, Pl. 2, figs. 7-9; Fig. 16, nos. a-c.

Webster, 1973, p. 144. Moore and Lane *in* Moore and Teichert, 1978, p. T532,  
Fig. 326, no. 2. Webster, 1986, p. 163.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Grypocrinus multibrachiatus* Brower, 1966, p. 629, Pl. 75, figs. 14-16, 22; Fig. 2, nos. B,  
F. Webster, 1973, p. 144.

Silurian, Niagaran, Beech River Member. United States, Tennessee

**GUILINOCRINUS** Chen, Wei, and Dai, 1997. \**G. bellus* Chen, Wei, and Dai, 1997.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F.  
Rhenocrinidae

Chen, Wei, and Dai, 1997, p. 53.

Named, currently recognized species based on cups or crowns: 2 Mississippian,  
Tournaisian species

Mississippian, Tournaisian. China, Luosishan, Guangxi

\**Guilinocrinus bullus* Chen, Wei, and Dai, 1997, p. 53, Pls. 1, figs. A-D; 2, fig. 1; Fig. 1, no. 1.

Mississippian, Tournaisian. China, Luosishan, Guangxi

*Guilinocrinus ramosissimus* Chen, Wei, and Dai, 1997, p. 55, Pl. 2, figs. 2-3; Fig. 1, no. 2.

Mississippian, Tournaisian. China, Luosishan, Guangxi

**GUSTABILICRINUS** Guensburg, 1984. \**G. plektanikaulos* Guensburg, 1984.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthracocrinidae  
Guensburg, 1984, p. 33. Webster, 1988, p. 91. Webster, 1993, p. 65. Ausich,  
1998b,  
p. 35.

Named, currently recognized species based on cups or crowns: 2 Ordovician,  
Sandbian species

Ordovician, Sandbian. United States

*Gustabilicrinus latomium* Guensburg, 1984, p. 35, Pls. 4, figs. 8, 10-11, 16-17; 5, figs. 1, 6. Broadhead, 1987, p. 183. Webster, 1988, p. 91. Webster, 1993, p. 65. Guensburg, 1992a, p. 138, Fig. 9, no. 8.

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

\**Gustabilicrinus plektanikaulos* Guensburg, 1984, p. 33, Pls. 3, figs. 1, 3; 5, figs. 2-5, 12-13, 18, 20-22; Fig. 5. Broadhead, 1987, p. 183. Webster, 1988, p. 91. Guensburg, 1992a, p. 140, Figs. 3 (diagramatic); 11, nos. 1-5, 10-11; 12, no. 1; 16, no. c. Webster, 1993, p. 65.

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Gustabilicrinus* sp. Guensburg, 1995, p. 77, Fig. 4.

Ordovician

**HABROCRINUS** Angelin, 1878 = **CARPOCRINUS**

*Habrocrinus anulatus* Angelin, 1878 = *Carpocrinus anulatus*

*Habrocrinus bendicti* Foerste, 1917 (*non* Miller, 1892) = *Stiptocrinus* sp.

*Habrocrinus bendicti* Slocum, 1908 = *Saccocrinus benedicti* = *Stiptocrinus benedicti* = *Stiptocrinus spinosus*

*Habrocrinus cariosulus* Angelin, 1878 = *Carpocrinus cariosulus*

*Habrocrinus comtus* Angelin, 187 = *Carpocrinus comtus*

*Habrocrinus decadactylus* Angelin, 1878 = *Carpocrinus decadactylus*

*Habrocrinus farringtoni* Slocum, 1908 = *Carpocrinus farringtoni* = *Stiptocrinus farringtoni*

*Habrocrinus grandis* Angelin, 1878 = *Carpocrinus grandis*

*Habrocrinus granulatus* Angelin, 1878 = *Carpocrinus granulatus*

*Habrocrinus laevis* Angelin, 1878 = *Carpocrinus laevis*

*Habrocrinus lemontensis* Angelin, 1878 = *Carpocrinus lemontensis*

*Habrocrinus longimanus* Angelin, 1878 = *Carpocrinus longimanus*

*Habrocrinus ornatissimus* Angelin, 1878 = *Carpocrinus ornatissimus*

*Habrocrinus ornatus* Angelin, 1878 = *Carpocrinus ornatus*

*Habrocrinus pentadactylus* Grabau, 1899 = *Acacocrinus pentadactylus*

*Habrocrinus pinnulatus* Angelin, 1878 = *Carpocrinus pinnulatus*

*Habrocrinus robustus* Angelin, 1878 = *Carpocrinus robustus*

*Habrocrinus tenuis* Angelin, 1878 = *Carpocrinus tenuis*

*Habrocrinus umbonatus* Angelin, 1878 = *Carpocrinus umbonatus*

*Habrocrinus* sp. Foerste, 1917 = *Stiptocrinus* sp.

**HABROTECRINUS** Guensburg and Sprinkle, 2003. \**Habrotecrinus ibexensis*  
Guensburg and Sprinkle, 2003.

Sbc. Camerata, O. Monobathrida, F. Habrotecrinidae

Guensburg and Sprinkle, 2003a p. 24.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Early Ordovician, Floian (middle Arenig). United States, Utah

\**Habrotecrinus ibexensis* Guensburg and Sprinkle, 2003a, p. 24, Pl. 8, fig.s 1-5; Figs. 12-13.

Latest Early Ordovician, Floian (middle Arenig), basal part of Wah Wah Formation. United States, Utah

**HADROCRINUS** Lyon, 1869. \**H. discus* Lyon, 1869.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Polypeltidae

Lyon, 1869, p. 445. Zittel, 1880, p. 345, 377. Wachsmuth and Springer, 1881, p. 222 (396). Miller, S. A., 1889, p. 252. Wachsmuth and Springer, 1897, p. 327.

Springer, 1921a, p. 9. Schmidt, 1932, p. 5. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 498. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 144. Ubaghs *in* Moore and Teichert, 1978, p. T501. Webster, 1986, p. 163.

Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian – Eifelian species

Devonian, Coblenzian: North America

*Hadrocrinus angularis* Lyon, 1869 = *Hadrocrinus pentagonus*

\**Hadrocrinus discus* Lyon, 1869, p. 448, Pl. 26, fig. 1. Miller, S. A., 1889, p. 252. Wachsmuth and Springer, 1897, p. 328, Pl. 24, fig. 1. Springer, 1921a, p. 11, Fig. 4. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 499. Ubaghs, 1956, p. 557, Fig. 4. Webster, 1973, p. 144. Ubaghs *in* Moore and Teichert, 1978, p. T501, Fig. 303, no. 2. Webster, 1986, p. 163.

Devonian, Emsian – Eifelian (Coblenzian), Jeffersonville Limestone. United States, Indiana

*Hadrocrinus hispaniae* Schmidt, 1932 = *Trybliocrinus flatheanus*

*Hadrocrinus pentagonus* Lyon, 1869, p. 450, Pl. 26, fig. c (listed as *H. angularis* on plate explanation). Miller, S. A., 1889, p. 252. Bassler and Moodey, 1943, p. 499.

Devonian, Emsian – Eifelian (Coblenzian), Jeffersonville Limestone. United States, Ohio, Indiana

*Hadrocrinus plenissimus* Lyon, 1869 = \**Himerocrinus plenissimus*

**HAERETICOTAXOCRINUS** Franzen, 1982. \**H. asper* Franzen, 1982.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Franzen, 1982, p. 484. Webster, 1988, p. 92.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, Ludlovian. Sweden

\**Haereticotaxocrinus asper* Franzen, 1982, p. 484, Figs. 1, 16. Webster, 1988, p. 92.  
Silurian, Ludlovian, Eke Beds. Sweden, Isle of Gotland

**HAERETOCRINUS** Moore and Plummer, 1940. \**H. missouriensis* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Moore and Plummer, 1940, p. 109. Bassler and Moodey, 1943, p. 499. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Strimple and Moore, 1971a, p. 22. Webster, 1973, p. 144. Webster, 1977, p. 94. Moore and Strimple *in* Moore and Teichert, 1978, p. T643. Pabian and Strimple, 1980a, p. 165. Webster, 1986, p. 163. Lane, Maples, and Waters, 2001a, p. 1069. Pabian and

Rushlau, 2002, p. 33.

Named, currently recognized species based on cups or crowns: 7 Pennsylvanian species: 2 Desmoinesian, 4 Missourian, 1 Virgilian  
Pennsylvanian, Desmoinesian - Virgilian: United States

*Haeretocrinus depressus* Strimple, 1962e, p. 44, Pls. 1, figs. 9-12; 7, figs. 5-7.

Webster, 1973, p. 144. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Haeretocrinus intermedius* Strimple, 1961 = *Tundracrinus intermedius*

*Haeretocrinus macoupinensis* (Worthen in Meek and Worthen, 1873). Strimple and Moore, 1971a, p. 23, Pl. 4, fig. 4. Webster, 1977, p. 94. Pabian and Rushlau, 2002, p. 33.

*Poteriocrinites macoupinensis* Worthen in Meek and Worthen, 1873, p. 561, Pl. 24, fig. 3. Bassler, 1915, p. 476. Bassler and Moodey, 1943, p. 642. Moore and Strimple, 1971a, p. 23. Webster, 1973, p. 154. Webster, 1977, p. 94.

*Poteriocrinus macoupinensis* (Worthen, 1873). Miller, S. A., 1889, p. 274. Bassler, 1915, p. 476.

*Hypselocrinus? macoupinensis* (Worthen, 1873). Moore and Laudon, 1944, p. 169, Pl. 57, fig. 19. Webster, 1973, p. 154.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Haeretocrinus magnus* Moore and Plummer, 1940, p. 113, Pl. 21, fig. 4. Bassler and Moodey, 1943, p. 499. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas

\**Haeretocrinus missouriensis* Moore and Plummer, 1940, p. 110, Pl. 21, fig. 1; Fig. 13. Bassler and Moodey, 1943, p. 499. Pabian and Strimple, 1974b, p. 41, Fig. 19, no. 5. Moore and Strimple in Moore and Teichert, 1978, p. T643, Fig. 419, nos. 1a-1b. Pabian and Strimple, 1980a, p. 165, Fig. 4, nos. J-K. Webster, 1986, p. 163. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Missourian, Virgilian?, Argentine Limestone, Lane Shale. United States, Missouri, Nebraska, Kansas, Oklahoma, Texas

*Haeretocrinus* sp. cf. *H. missouriensis* Moore and Plummer, 1940. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Virgilian, Kanwaka Shale. United States, Iowa

*Haeretocrinus turbinatus* Strimple, 1952d, p. 245, figs. 1-7. Webster, 1973, p. 144.

Pabian and Strimple, 1974b, p. 41, Fig. 19, nos. 4, 6. Moore and Strimple in Moore and Teichert, 1978, p. T643, Fig. 419, no. 1c. Webster, 1986, p. 163. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Haeretocrinus wagneri* Strimple and Moore, 1971a, p. 23, Pls. 1, figs. 2a-2b; 13, figs. 1a-1c. Pabian and Strimple, 1974b, p. 41, Fig. 19, no. 7. Webster, 1977, p. 94.

- Moore and Strimple *in* Moore and Teichert, 1978, p. T643, Fig. 419, nos. 1d-1f. Webster, 1986, p. 163. Ausich *in* Hess et al., 1999 p. 157, Fig. 169. Pabian and Rushlau, 2002, p. 33.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois
- Haeretocrinus washburni* (Beede, 1900). Strimple, 1961g, p. 97. Webster, 1973, p. 144. Pabian and Rushlau, 2002, p. 33.  
*Scaphiocrinus? washburni* Beede, 1900b, p. 21, Pl. 5, figs. 2-2a. Bassler and Moodey, 1943, p. 584. Strimple, 1961g, p. 97. Webster, 1973, p. 144.  
*Pachylocrinus? washburni* (Beede, 1900). Bassler and Moodey, 1943, p. 584. Pennsylvanian, Virgilian, Osage Coal Zone. United States, Kansas
- Haeretocrinus* sp. Cornwell and Cornwell, 1968, Pl. 2, fig. 6. Webster, 1977, p. 94. Pennsylvanian. United States, Iowa
- HAGNOCRINUS** Frest and Strimple, 1977. \**H. crenus* Frest and Strimple, 1977. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hirneacrinidae  
Frest and Strimple, 1977c, p. 150, Fig. 14 (not Fig. 12 as given on figure explanation). Frest and Strimple, 1977e, p. 1195. Webster, 1986, p. 164. Webster, 1988, p. 92.  
Named, currently recognized species based on cups or crowns: 5 Silurian species:  
1 Llandoveryan-Wenlockian, 1 Niagaran, 3 Ludlovian  
Silurian, late Llandoveryan - middle Ludlovian. United States
- Hagnocrinus augusta* (Slocum, 1908). Frest and Strimple, 1977e, p. 1195. Webster, 1986, p. 164.  
*Platycrinus augusta* Slocum, 1908, p. 292, Pl. 86, figs. 5-7. Bassler, 1915, p. 988. Bassler and Moodey, 1943, p. 616. Frest and Strimple, 1977e, p. 1195. Webster, 1986, p. 164.  
*Platycrinites augusta* (Slocum, 1908). Bassler and Moodey, 1943, p. 616. Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Hagnocrinus bainbridgensis* Frest and Strimple, 1977e, p. 1198, Pl. 1, figs. 14-16. Webster, 1986, p. 164.  
Silurian, Ludlovian, Bainbridge Group, Moccasin Springs Formation. United States, Missouri
- Hagnocrinus balli* Frest and Strimple, 1977e, p. 1197, Pl. 1, figs. 11-13. Webster, 1986, p. 164.  
Silurian, Ludlovian, Bainbridge Group, Moccasin Springs Formation. United States, Missouri
- \**Hagnocrinus crenus* Frest and Strimple, 1977e, p. 1196, Pl. 1, figs. 1-4. Webster, 1986, p. 164.



Platycrinidae indet. No. 1 Springer, 1926a, p. 51, Pl. 30, figs. 24-24b. Frest and Strimple, 1977e, p. 1196. Webster, 1986, p. 164.  
Silurian, Ludlovian, Brownsport Formation. United States, Tennessee

*Hagnocrinus? debius* (Weller, 1900) = *Hagnocrinus? dubius*

*Hagnocrinus? dubius* (Weller, 1900). Frest and Strimple, 1977e, p. 1198.

*Hagnocrinus? debius* (Weller, 1900). Webster, 1986, p. 164.

*Platycrinus? dubius* Weller, S., 1900, p. 140, Pl. 14, fig. 4. Bassler, 1915, p. 988.

Bassler and Moodey, 1943, p. 630. Frest and Strimple, 1977e, p. 1195.

Webster, 1986, p. 164.

Silurian, late Llandoveryan - late Wenlockian, Racine Dolomite; Hopkinton Formation; Gower? Formation. United States, Illinois, Iowa

*Hagnocrinus* sp. Witzke and Strimple, 1981, p. 136, Pl. 5, fig. 20. Webster, 1988, p. 92.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Hagnocrinus*-like genus Frest and Strimple, 1980, p. 257, Fig. 1, no. a.

**HALLOCRINUS** Goldring, 1923. \**Cyathocrinus ornatissimus* Hall, 1843.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Rhenocrinidae

Goldring, 1923, p. 374. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 499.

Moore and Laudon, 1943b, p. 54. Moore and Laudon, 1944, p. 157. Webster,

1973, p. 144. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637.

Webster, 1986, p. 164. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p.

65. Webster et al., 2003, p. 16.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Emsian, 1 Givetian - Frasnian

Devonian, Emsian (Coblenzian). Germany

Devonian, Givetian - Frasnian. North America

*Hallocrinus aberrans* Schmidt, W. E., 1942, p. 167, Pl. 13, fig. 7. Webster, 1973, p. 144.

Devonian, Emsian, upper Coblenzian beds. Germany

*Hallocrinus? inagilis* Schmidt, 1930 = *Culmicrinus regularis*

\**Hallocrinus ornatissimus* (Hall, 1843). Goldring, 1923, p. 374, Pls. 49, figs. 4-5; 50,

51. Moore, 1939b, p. 237, Fig. 12, no. 7 (portion of anal sac). Bassler and

Moodey, 1943, p. 499. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 9. Moore

and

Laudon, 1944, p. 157, Pl. 57, fig. 24. Webster, 1973, p. 144. Moore, Strimple,

and Lane *in* Moore and Teichert, 1978, p. T637, Fig. 416, no. 1. Webster, 1986,

p. 164.

*Cyathocrinites ornatissimus* Hall, 1843a, p. 247, Pl. 56, figs. 1-5; Fig. 108, nos. 1-5.

*Cyathocrinus ornatissimus* (Hall, 1843). d'Orbigny, 1850, p. 103. Lincklaen, 1861, p. 69, Pl. 16, figs. 1-5. Miller, S. A., 1889, p. 236. Lesley, 1889, p. 166, Figs. 1-5. Whitfield, 1905, p. 17, Pl. 4, fig. 1. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 499.

*Cyathocrinus? ornatissimus* (Hall, 1843). Shumard, 1868, p. 363.

*Cosmocrinus ornatissimus* (Hall, 1843). Whitfield, 1905, p. 20, Pls. 2, fig. 2; 3, fig. 2. Devonian, Givetian - Frasnian, Hamilton Group, Portage Formation, Naples Bed. United States, New York; Canada, Ontario

*Hallocrinus* sp. Watkins and Hurst, 1977, p. 210, Figs. 1, no. C; 4. Webster, 1986, p. 164.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Hallocrinus?* sp. Webster et al., 2001, p. 109, Pl. 3, figs. L-M.

Devonian, Early Famennian, Bahram Formation. Southeastern Iran

**HALOCRINITES** Steininger, 1831. \**Halocrinites schlotheimi* Steininger, 1831.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Cupressocrinitidae, Sbf. Cupressocrininae

Steininger, 1831, p. 23. Steininger, 1834, p. 349. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 384. Moore and Lane *in* Moore and Teichert, 1978, p. T658. Bohatý and Herbig, 2010, p. 381.

*HALOCRINUS* d'Orbigny, 1852, p. 140. Bather *in* Lankester, 1900, p. 177. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 384.

*CUPRESSOCRINITES* Goldfuss, 1839 (part), p. 330-335. Bohatý and Herbig, 2010, p. 381.

*AVIADOCRINUS* Almela and Revilla, 1950, p. 55. \**Aviadocrinus sampelayoi* Almela and Revilla, 1950. Almela and Revilla, 1950, p. 55. Breimer, 1962a, p. 160.

Webster 1973, p. 91. Moore and Lane *in* Moore and Teichert, 1978, p. T658. Bohatý and Herbig, 2010, p. 381.

*ABBREVIATOCRINITES* Bohatý, 2005. \**Cupressocrinus abbreviatus* Goldfuss, 1839. Bohatý, 2005b, p. 217. Bohatý, 2006c, p. 162. Bohatý, 2009a, p. 48. Bohatý and Herbig, 2010, p. 381.

Named, currently recognized species based on cups or crowns: 13 Devonian species. 1 Emsian – Eifelian, 6 Eifelian (+2 subspecies), 5 Eifelian – Givetian (+1 Eifelian – Givetian subspecies), 1 Givetian subspecies

Devonian, Eifelian-Givetian. Germany

Devonian, Eifelian. Russia

Devonian, Eifelian. Spain

Devonian, Eifelian – givetian. Australia

Devonian, Eifelian - Givetian. China

*Halocrinites altus* (Schultze, 1866). Bohatý and Herbig, 2010, p. 381.

*Abbraviatocrinites altus* (Schultze, 1866). Bohatý, 2009a, p. 49. Bohatý and Herbig, 2010, p. 381.

*Cupressocrinites abbreviatus alta* (Schultze, 1866). Bassler and Moodey, 1943, p. 384. Hauser, 1997, p. 63, Pl. 10, figs. 4-5.

*Cupressocrinus abbreviatus* var. *alta* Schultze, 1866 (part). Bohatý, 2009a, p. 49.

- Cupressocrinites schlotheimi* (Steininger, 1831). Steininger, 1853, p. 36.
- Cupressocrinus schlotheimi* (Steininger, 1831). Reed, 1908, p. 38, Pl. 5, figs. 9-9a, 10. Bassler and Moodey, 1943, p. 384. Cuénot, 1948, p. 60, Fig. 74. Webster, 1973, p. 91.
- Cupressocrinus schlotheimi* Steininger, 1834. Whidborne, 1895, p. 209, Pl. 24, figs. 3-3b, 5-5a.
- Cupressocrinites schlotheimi alta* (Schultze, 1866). Schmidt, W. E., 1942, p. 104. Webster, 1973, p. 91.
- Cupressocrinites schlotheimi* var. *alta* (Schultze, 1866). Bohatý, 2009a, p. 49.
- Cupressocrinites schlotheimi schlotheimi* (Steininger, 1831). Schmidt, W. E., 1942, p. 104. Webster, 1973, p. 91.
- Halocrinites schlotheimi* Steininger, 1831, p. 22. Steininger, 1834, p. 349, Pl. 21, figs. 1-1a. Bassler, 1938, p. 107. Bassler and Moodey, 1943, p. 384.
- Cupressocrinus abbreviatus* var. *alta* Schultze, 1866 (adv. pub.)Schultze, 1967, p. 133, Pl. 2, fig. 2. Schmidt, W. E., 1942, p. 104. Bassler and Moodey, 1943, p. 384. Webster, 1973, p. 91.
- Cupressocrinus abbreviatus* Schultze, 1866, Pl. 2, figs. 10a-10c. Bohatý, 2005b, p. 221.
- ?*Cupressocrinites* cf. *abbreviatus* Schultze, 1866. Gluchowski, 1993a, p.44, Fig. 6, nos. g-h. Bohatý, 2005b, p. 221.
- Cupressocrinites abbreviatus* Schultze, 1866 (adv. pub. ). Schultze, 1867, p. 131, Pls. 2, figs. 1-13; 3, fig. 3.. Hauser, 1997, Pl. 5, fig. 7. Hauser, 2001, Pl. 24, figs. 1, 1a. Bohatý, 2005b, p. 221.
- Devonian, Eifelian, early Givetian, Junkerberg Formation, Giesdorf Member, lower part of Müllert Subformation, Ahbach Formation. Germany
- Halocrinites assimilis* (Dubatolova, 1964). Bohatý and Herbig, 2010, p. 381.
- Abbraviatocrinites assimilis* (Dubatolova, 1964). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.
- Cupressocrinites assimilis* Dubatolova, 1964, p. 26, Pl. 2, figs. 6-8. Webster, 1973, p. 9.
- Devonian, Eifelian. Russia, Kuznetz Basin
- Halocrinites elongatus* (Goldfuss, 1839) = *Cupressocrinus elongatus* = *Cupressocrinites elongatus*
- ?*Halocrinites elongatus* Steininger, 1835 = *Cupressocrinites gracilis*
- Halocrinites geminatus* (Bohatý, 2005). Bohatý and Herbig, 2010, p. 381.
- Abbraviatocrinites geminatus* Bohatý, 2005b, p. 221, Figs. 5, nos. A-B; 7, nos. A-F; 9-10; 11, nos. A-M; 12, nos. A-C, E-N; 13, nos. A-N, R-T. Bohatý, 2006c, p. 164, Pl. 4, figs. 1-4. Bohatý, 2009a, p. 49.
- Devonian, Eifelian, early Givetian, Junkerberg Formation, Giesdorf Member, lower part of Müllert Subformation, Ahbach Formation. Germany
- Halocrinites gibber* (Bather, 1919). Bohatý and Herbig, 2010, p. 381.

- Abbraviatocrinites gibber* (Bather, 1919). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.
- Cupressocrinus gibber* Bather, 1919c, p. 129, Figs. 1-4. Bather, 1926, p. 39, Figs. 1-5. Maillieux, 1940, p. 23. Bassler and Moodey, 1943, p. 385.
- Cupressocrinites gibber* (Bather, 1919). Bassler and Moodey, 1943, p. 385. Hauser, 1999, p. 106, Pls. 28, figs. 2-5; 31, fig. 6; Fig. 37, no. a.  
Devonian, Frasnian, *Reticularia pachyrhyncha* Shales; Neuville Formation. Belgium, Ardenne
- Halocrinites inflatus* (Schultze, 1866). Bohatý and Herbig, 2010, p. 381.
- Abbraviatocrinites inflatus* (Schultze, 1866). Bohatý, 2005b, p. 218. Bohatý, 2006c, p. 162, Pl. 5, figs. 2, 3, 6. Bohatý and Herbig, 2010, p. 381.
- Cupressocrinus inflatus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 137, Pl. 1, fig. 2. Bather in Lankester, 1900, p. 177, Fig. 94, no. 1. Delage and Herouard, 1903, p. 381, Fig. 459. Bassler and Moodey, 1943, p. 385. Bohatý, 2005b, p. 218.
- Cupressocrinites inflatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 385. Breimer, 1962a, p. 163, Pl. 16, fig. 1; Fig. 39. Webster, 1973, p. 91. Gluchowski, 1993a, p. 44, Fig. 6, nos. I-J. Hauser, 1997, p. 74, Pls. 20, fig. 6; 23, figs. 5-7; 24, figs. 1-7; 25, figs. 1-2, 4. Hauser, 1999, p. 108, Pl. 28, figs. 6-7; Fig. 37, no. b. Bohatý, 2005b, p. 218.
- Cupressocrinites gracilis* Goldfuss, 1839, p. 334, Pl. 30, figs. 5-5d. Steininger, 1853, p. 36. Quenstedt, 1885, p. 962, Pl. 78, figs. 11-12. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 385. Polyarnaya, 1973, p. 134, Figs. 2a-g. Webster, 1973, p. 91. Polyarnaya, 1974, p. 565, Fig. 2. Milicina, 1977b, p. 125, Pl. 1, fig. 3; Fig. 2. Webster, 1977, p. 61. Webster, 1986, p. 110. Hauser, 1997, p. 71, Pls. 18, figs. 1-5; 19, figs. 1-5; 20, figs. 1-5; 21, figs. 1-6; 22, fig. 1. Hauser, 2001, Pl. 23, figs. 4, 8. Bohatý, 2001, p. 9. Bohatý, 2005b, p. 218. Bohatý, 2006c, p. 160, Pl. 6, figs. 1-8; Fig. 5, nos. 1-3. Hauser, 2007, p. 66, Pl. 1, figs 1-14, 16-29. Bohatý, 2009, p. 48.
- Cupressocrinus gracilis* (Goldfuss, 1831). Bronn, 1848, p. 362. d'Orbigny, 1850, p. 102. Dujardin and Hupé, 1862, p. 113. Quenstedt, 1866, p. 747, Pl. 71, fig. 16. Quenstedt, 1876, p. 622, Pl. 111, fig. 69. Bassler and Moodey, 1943, p. 385. Sieverts-Doreck, 1953, p. 82, Pl. 4, fig. 7. Webster, 1973, p. 91.
- Actinocrites tesseratus* Goldfuss, 1831. Bronn, 1848, p. 362.
- ?*Cyathocrini* sp. Agassi, 1836. Bronn, 1848, p. 362.
- ?*Halocrinites elongatus* Steininger, 1835. Bronn, 1848, p. 362.
- Procupressocrinus gracilis* (Goldfuss, 1831). Jaekel, 1918, p. 82.
- Abbraviatocrinites inflatus inflatus* (Schultze, 1866). Bohatý, 2005b, p. 220, Figs. 6, nos. A; 13, nos. O-Q. Bohatý, 2006c, p. 162, Pl. 5, figs. 7, 12, 15.
- ?*Cupressocrinites deltoides* Chen and Yao, 1993, p. 65, Pl. 6, fig. 3. Bohatý, 2005b, p. 220.  
Devonian, Eifelian - Givetian, Freilingen Formation, Nollenbach Member; ?Ahabach Formation; Boundarybeds of Ahabach-Loogh Formation; Loogh Formation, Hustley Member. Germany  
Middle Devonian, Eifelian, Portilla Limestone. Spain  
Devonian, Givetian, Laskowa Gora Beds. Poland  
Devonian, Eifelian, Freilingen Formation. Germany

Devonian, Givetian, Heyuanzhai Formation. China, Yunnan Province  
 Devonian, Eifelian - Givetian, Tufaceous Sandstone; Lough Formation.  
 Germany; Russia, Kuznetz Basin, Central Asia, Urals

- Halocrinites inflatus convexus* (Hauser, 2001). Bohatý and Herbig, 2010, p. 381.  
*Abbraviatocrinites inflatus convexus* (Hauser, 2001). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.  
*Cupressocrinites inflatus convexus* Hauser, 2001, p. 113, unfig. Bohatý, 2005b, p. 220.  
 Devonian, Givetian, Lough formation, Hustley Member. Germany, Gerolstein
- Halocrinites inflatus cuneatus* Bohatý, 2006. Bohatý and Herbig, 2010, p. 381.  
*Abbraviatocrinites inflatus cuneatus* Bohatý, 2006c, p.163, Pl. 5, figs. 8-10, 13.  
 Bohatý and Herbig, 2010, p. 381.  
*Cupressocrinites inflatus* Hauser, 1997(part). Bohatý, 2006c, p. 163.  
 Devoian, Eifelian, upper part of Junkerberg Formation, Nims Member. Germany
- Halocrinites inflatus depressus* (Hauser, 2001). Bohatý and Herbig, 2010, p. 381.  
*Abbraviatocrinites inflatus depressus* (Hauser, 2001). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.  
*Cupressocrinites inflatus depressus* Hauser, 2001, Pl. 23, figs. 1, 6. Bohatý, 2005b, p. 220.  
 Devonian, Eifelian, Ahbach Formation, Müllert Subformation, Olifant Member.  
 Germany
- Halocrinites nodosus* (Sandberger and Sandberger, 1856). Bohatý and Herbig, 2010, p. 381, 382, Figs. 9, no. d (diagramatic); 10, nos. a-e.  
*Cupressocrinus nodosus* Sandberger and Sandberger, 1856, p. 401, Pl. 35, fig. 5 only [non fig. 5a = *Halocrinites* cf. *H. geminatus* (Bohatý, 2005)] [non figs. 5b-5c = undeterminable cupressocrinid columnals]. Maurer, 1875, p. 609. Bassler and Moodey, 1943, p. 385. Bohatý, 2009a, p. 49. Bohatý and Herbig, 2010, p. 382.  
*Cupressocrinites nodosus* (Sandberger and Sandberger, 1856) (part). Bassler and Moodey, 1943, p. 385. Bohatý, 2009a, p. 49. Hauser, 2008, p. 20, Pls. 12, fig. 10; 13, fig. 12; Fig. 31.  
*Cupressocrinus abbreviatus* var. *alta* Schultze, 1866, p. 21, Pl. 2, fig. 2a only [non Fig. 2 = *Halocrinites altus* (Schultze, 1866)]. Miesen, 1971, p. 14, Pl. 2, fig. 5d, unnumbered fig. p. 57 below (?). Bohatý, 2009a, p. 49. Bohatý and Herbig, 2010, p. 382.  
*Cupressocrinites abbreviatus alta* (Schultze, 1866). Hauser, 1997, p. 63, Pl. 10, figs. 4-5. Bohatý, 2009a, p. 49. Bohatý and Herbig, 2010, p. 382.  
*Cupressocrinites abbreviatus altus* (Schultze, 1866). Hauser, 2001, p. 149. Bohatý, 2005, p. 203. Bohatý and Herbig, 2010, p. 382.  
*Abbraviatocrinites abbreviatus alta* (Schultze, 1866). Bohatý, 2005b, p. 217. Bohatý, 2009, p. 49.  
*Abbraviatocrinites nodosus* (Sandberger and Sandberger, 1856). Bohatý, 2009a, p. 49, Figs. 2.1-2.2, 2.5-2.8, 11.7-11.8, 11.20. Bohatý and Herbig, 2010, p. 382.  
 Devonian, late middle Eifelian, Junkerberg Formation; early middle Givetian, Büchel Formation; early late Givetian; Givetian, Ahbach Formation, *Stringocephalus*

Limestone. Germany, rhenish Massif

*Halocrinites pyramidalis* Steininger, 1838 = *Cupressocrinites pyramidalis*

?*Halocrinites pyramidalis* Steininger, 1838 = \**Cupressocrinites crassus*

*Halocrinites rectangularis* (Schmidt, 1941). Bohatý and Herbig, 2010, p. 381.

*Abbraviatocrinites rectangularis* (Schmidt, 1941). Bohatý, 2006c, p. 164. Bohatý and Herbig, 2010, p. 381.

*Cupressocrinites schlotheimi* var. *rectangularis* Schmidt, 1941. Bohatý, 2006c, p. 164.

*Abbraviatocrinites abbreviatus rectangularis* (Schmidt, 1941). Bohatý, 2005b, p. 217.

Bohatý 2006c, p. 164.

Devonian, late Emsian – earliest Eifelian. Germany

*Halocrinites sampelayoi* (Almela and Revilla, 1950). Bohatý and Herbig, 2010, p. 381.

*Abbraviatocrinites sampelayoi* (Almela and Revilla, 1950). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.

*Aviadocrinus sampelayoi* Almela and Revilla, 1950, p. 55, Pl. 3, figs. 1-3. Sieverts-Doreck, 1953, p. 85, Pl. 4, fig. 11. Webster, 1973, p. 91.

*Cupressocrinites sampelayoi* (Almela and Revilla, 1950). Breimer, 1962a, p. 160, Pl. 16, figs. 4-5; Fig. 38. Webster, 1973, p. 91. Gluchowski, 1993a, p. 44, Fig. 7, nos. A-F.

Devonian, Eifelian, Portilla Limestone. Spain

\**Halocrinites schlotheimii* Steininger, 1831, p. 23, Fig. 10, no. f. Bronn, 1848, p. 362.

Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.

*Cupressocrinites abbreviatus* Goldfuss, 1839, p. 333, Pl. 30, figs. 4a-4d, (?)4e only.

Quenstedt, 1852, p. 624, Pl. 55, fig. 14. Quenstedt, 1885, p. 963, Pl. 78, fig. 14.

Beyer, 1896, p. 88, Pl. 3, figs. 75-76. Bather in Lankester, 1900, p. 177, Fig. 94,

nos. 2-3. Yakovlev, 1930c, p. 377, Figs. 5, 9-10. Yakovlev, 1930d, p. 463, Figs.

1-2. Sieverts, 1934, p. 90, Fig. 1. Bassler and Moodey, 1943, p. 384. Tien and

Mu, 1955, p. 92, Pl. 48, Fig. 12. Sun, 1955, p. 92, Pl. 48, fig. 12. Wang, *et al.*,

1956, p. 375, 1 fig. Webster 1973, p. 91. Author unknown, 1974, p. 728, Pl. 76,

fig. 3. Milicina, 1977b, p. 125, Pl. 1, figs. 1-2. Webster, 1977, p. 61. Ubaghs in

Moore and Teichert, 1978, p. T90, Fig. 65, no. 1. Moore and Lane in Moore and

Teichert, 1978, p. T658, Fig. 430, nos. 2e-2g. Brett, 1981b, p. 356, Fig. 6, no. A.

Kowalski, 1985, p. 399, Fig. 39. Webster, 1986, p. 110. Jell *et al.*, 1988, p. 393,

Fig. 26. Webster, 1988, p. 63. Polyarnaya, 1992, p. 117, Pls. 1, figs. 5-6; 2, figs.

1-7; Fig. Webster, 1993, p. 45. Hauser, 1997, p. 63, Pls. 5, figs. 5-8; 6, figs. 1-2,

5; 7, figs. 1-4; 8, figs. 1, 3, 5; 9, figs. 1-5; 11, fig. 1. Hauser, 2001, Pls. 22, figs. 1-

2, 4; 23, fig. 9; 24, figs. 1, 4, 7. Bohatý, 2001, p. 8, Figs. 1-2. Bohatý, 2005b, p.

217. Hauser in Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 4. Bohatý and Herbig,

2010, p. 381.

*Cupressocrinus abbreviatus* (Goldfuss, 1839). Bronn, 1848, p. 362. d'Orbigny,

1850, p. 102. Roemer, C. F. in Bronn and Roemer, 1851, p. 232. Dujardin and

Hupé, 1862, p. 112. Steinmann and Döderlein, 1890, p. 164, Fig. 163, nos. A-

- D. Holzapfel, 1895, p. 299. Beyer, 1896, p. 88, Pl. 3, fig. 73-76. Frech, 1902, Pl. 27, figs. 11-12. Steinmann, 1903, p. 181, Fig. 253, nos. A-D. Steinmann, 1907, p. 2-3, Fig. 288, nos. A-D. Abel, 1920, p. 256, Fig. 394. Abel, 1924, p. 268, Fig. 394. Wanner, 1943, p. 34, Unnum. Fig. p. 35. Sieverts-Doreck, 1953, p. 82, Pl. 4, fig. 10; Figs. 6-7. Struve, 1957, p. 369, Fig. 13. Webster 1973, p. 91. Webster, 1977, p. 61. Bohatý, 2005b, p. 217.
- Abbruiatocrinites abbreviatus abbreviatus* (Goldfuss, 1839). Bohatý, 2005, p. 217, Figs. 206, no. 4A; 212, tab. 1; 219, no. 12D; Fig. A.A. Bohatý, 2006b, p. 169, Pl. 1, figs. 106; 2, figs. 1-10. Bohatý, 2009, p. 54, Figs. 9.1, 9.3-9.4, 9.7-9.9, 9.14, 9.16-9.17, 10.1-10.5, 10.7, 11.9-11.10, 11.12, 11.21. Bohatý and Herbig, 2010, p. 381.
- Halocrinites schlotheimii schlotheimii* Steininger, 1831. Bohatý and Herbig, 2010, p. 381, 382, Fig. 10, no. f.
- Devonian, middle Givetian, upper part of Büchel Formation, shallow water reef flat. Germany, Rhenish Massif
- Devonian, Eifelian - Givetian, *Orthocrinus* Beds; boundary beds of Ahbach-Loogh Formation, Loogh Formation, Hustley Member; Massenkalkes; Papilio Formation;
- Burdekin Formation; late Givetian, Candás Formation. Germany; Australia, Queensland; China, Spain
- Halocrinites schlotheimii granulatus* (Schultze, 1866). Bohatý and Herbig, 2010, p. 381.
- Cupressocrinus abbreviatus* var. *granulosus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 131, Pl. 2, fig. 3. Schmidt, W. E., 1942, p. 105. Bassler and Moodey, 1943, p. 384. Webster, 1973, p. 91. Bohatý, 2005b, p. 217.
- Cupressocrinites schlotheimi granulosa* (Schultze, 1866). Schmidt, W. E., 1942, p. 105. Webster, 1973, p. 91. Bassler and Moodey, 1943, p. 384. Webster, 1973, p. 91. Hauser, 1997, p. 64, Pls. 6, figs. 3-4; 8, fig. 2.
- Cupressocrinites abbreviatus granulatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 384. Hauser, 1997, p. 64, Pls. 6, figs. 3-4; 8, fig. 2. Hauser, 2001, p. 10, Fig. 2. Bohatý, 2005b, p. 217.
- Cupressocrinites abbreviatus* aff. *granulosa* (Schultze, 1866), Hauser, 1997, Pl. 8, fig. 4 (misspelling of *granulosus*).
- Devonian, Eifelian - Givetian, *Orthocrinus* Beds; boundary beds of Ahbach-Loogh Formation, Loogh Formation, Hustley Member. Germany
- Halocrinites schlotheimii schlotheimii* Steininger; Bohatý and Herbig, 2010 =  
*Halocrinites schlotheimii*
- Halocrinites schreueri* Bohatý, 2006. Bohatý and Herbig, 2010, p. 381.
- Abbruiatocrinus schreueri* Bohatý, 2006c, p. 163, Pl. 8, figs. 1-3. v
- Devonian, Eifelian, Junkerberg Formation, Klausbach Member. Germany
- Halocrinites tesserulus* (Goldfuss, 1831). Bohatý and Herbig, 2010, p. 381.
- Cupressocrinites tesseratus* Goldfuss, 1831, p. 213, Pl. 59, figs. 11f, 11h. Bassler and Moodey, 1943, p. 386.

*Cupressocrinus tesseratus* (Goldfuss, 1831). Bronn, 1848, p. 363. d'Orbigny, 1850, p. 102.

*Cupressocrinites tesserula* Hauser, 1997, p. 76, Pl. 27, figs. 1-6.

*Actinocrinites tesseratus* (Goldfuss, 1831), p. 196, Pl. 59, figs. 11a, 11h. [11a, outline of crown with stem; 11h, brachials, GDW]. Bronn, 1848, p. 363. Bassler and Moodey, 1943, p. 275. Bohatý, 2006c, p. 160. Bohatý, 2009a, p. 48.

*Actinocrinus tesseratus* (Goldfuss, 1831). Bronn, 1848, p. 14.

?*Encrinites tesseratus* (Goldfuss, 1831). Bronn, 1848, p. 363.

*Abbraviatocrinites tesserulus* (Goldfuss, 1831). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.

*Halopcrinites tesserula* Bohatý and Herbig, 2010, p. 381. [Note: *tesseratus* has precedence, GDW, 2011].

Devonian, Eifelian, Junkerberg Formation. Germany

*Halocrinites townsendi* (König, 1825). Bohatý and Herbig, 2010, p. 381.

*Abbraviatocrinites townsendi* (König, 1825). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.

*Encrinus townsendi* Koenig, C.D.E., 1825, p. 4, Fig. 97. Bassler and Moodey, 1943, p. 386.

*Cupressocrinus townsendi* (Koenig, 1825). Bather, 1914b, p. 397, Figs. 1-2. Bassler and Moodey, 1943, p. 386.

*Cupressocrinites townsendi* (Koenig, 1825). Bassler and Moodey, 1943, p. 386.

*Cupressocrinus? townsendi* Koenig, 1825. Bronn, 1848, p. 363.

Middle Devonian, Eifelian. Spain

*Halocrinites urogali* (Roemer, 1850). Bohatý and Herbig, 2010, p. 381.

*Abbraviatocrinites urogali* (Roemer, 1850). Bohatý, 2005b, p. 217. Bohatý and Herbig, 2010, p. 381.

*Cupressocrinus urogali* Roemer, F. A., 1850b, p. 9, Pl. 2, figs. 7a-7c. Bassler and Moodey, 1943, p. 386.

*Cupressocrinites urogali* (Roemer, 1850). Bassler and Moodey, 1943, p. 386.

*Cupressocrinites urogalli* (Roemer, 1850). Roemer, F. A., 1866b, p. 222 (sic).

*Cupressocrinus urogalli* Roemer, F. A., 1850. Roemer, C. F. in Bronn and Roemer, 1851, p. 232 (sic).

*Cupressocrinites schlotheimi urogalli* (Roemer, 1850). Schmidt, W. E., 1942, p. 104 (sic).

*Cupressocrinites schlotheimi urogali* (Roemer, 1850). Webster, 1973, p. 91.

Middle Devonian, Eifelian, *Calceola* Beds. Germany

**HALOCRINUS** d'Orbigny, 1852 = **CUPRESSOCRINITES** = **HALOCRINITES**

**HALOGETOCRINUS** Strimple and Moore, 1971. \**Aesiocrinus paucus* Strimple, 1951.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae

Strimple and Moore, 1971a, p. 29. Strimple and Moore, 1971b, p. 2. Pabian and

Strimple, 1974a, p. 309. Webster, 1977, p. 95. Moore, Lane, and Strimple in

Moore and Teichert, 1978, p. T674. Webster, 1986, p. 165.

Named, currently recognized species based on cups or crowns: 5 species. 4



Pennsylvanian, 1 Atokan, 2 Missourian, 1 Virgilian; 1 Permian, Wolfcampian  
Pennsylvanian, Atokan - Permian, Wolfcampian. United States

*Halogetocrinus boellstorffae* Pabian and Strimple, 1974a, p. 310, Pl. 38, figs. 1-2; Fig. 2, no. 4. Webster, 1986, p. 165.

Permian, Wolfcampian, Foraker Formation, Hughes Creek Shale Member. United States, Nebraska

\**Halogetocrinus paucus* (Strimple, 1951). Strimple and Moore, 1971a, p. 29, Pls. 1, fig. 4; 8, fig. 3; 4, fig. 1; Fig. 9, nos. 1a-1c. Pabian and Strimple, 1974a, p. 263, Pl. 32, figs. 14-15. Webster, 1977, p. 95. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T675, Fig. 446, nos. 2a-2d. Webster, 1986, p. 165.

*Aesiocrinus paucus* Strimple, 1951c, p. 22, Pl. 5, figs. 1-3. Strimple and Watkins, 1969, p. 191. Strimple and Moore, 1971a, p. 29. Webster, 1973, p. 41. Webster, 1977, p. 95.

*Lecobasicrinus paucus* (Strimple, 1951). Strimple and Watkins, 1969, p. 191. Webster, 1977, p. 95.

Pennsylvanian, Missourian, Wann Formation; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois

*Halogetocrinus prudentia* (Strimple, 1963). Pabian and Strimple, 1974a, p. 309. Webster, 1986, p. 165.

*Aesiocrinus prudentia* Strimple, 1963a, p. 72, Fig. 30. Webster, 1973, p. 41.

Pabian and Strimple, 1974a, p. 309. Webster, 1986, p. 165.  
Pennsylvanian, Virgilian, Dover Limestone. United States, Kansas

*Halogetocrinus subidus* (Strimple and Watkins, 1969). Pabian and Strimple, 1974a, p. 309. Webster, 1986, p. 165.

*Lecobasicrinus subidus* Strimple and Watkins, 1969, p. 192, Pl. 56, figs. 3-4. Pabian and Strimple, 1974a, p. 309. Webster, 1977, p. 104. Webster, 1986, p. 165.

Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

*Halogetocrinus tumidus* Strimple and Moore, 1971. Moore, Lane, and Strimple *in* Moore

and Teichert, 1978, p. T676, Fig. 446, no. 2e. Webster, 1986, p. 165.

*Halogetocrinus? tumidus* Strimple and Moore, 1971b, p. 2, Figs. 5, no. 1; 6, no. 1. Webster, 1977, p. 95.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Halogetocrinus? tumidus* Strimple and Moore, 1971b = *Halogetocrinus tumidus*

**HALYSIOCRINUS** Ulrich, 1886. \**Cheirocrinus dactylus* Hall, 1860.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Ulrich, E. O., 1886, p. 110. Miller, S. A., 1889, p. 252. Bather, 1893a, p. 21. Bather *in* Lankester, 1900, p. 148. Wachsmuth *in* Zittel, 1900, p. 154. Grabau and Shimer, 1910, p. 503. Springer *in* Zittel, 1913, p. 214. Springer, 1926a, p. 121.

Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 499. Moore and Laudon, 1943b, p. 30, Fig. . Moore and Laudon, 1944, p. 145. Branson, C. C., 1948, p. 195. Ubaghs, 1953, p. 746, Fig. 140, no. L. Moore, 1962a, p. 31, Figs. 3, no. 4; 5, no. 8; 20. Branson, C. C., 1962b, p. 12, fig. 4, no. 3. Strimple, 1963d, p. 48, Fig. 12, no. a. Van Sant *in* Van Sant and Lane, 1964, p. 69, Fig. 25, no. 2. Arendt and Hecker, 1964, p. 80. Kesling and Sigler, 1969, p. 347, Figs. 6-10; Table 1. Webster, 1973, p. 144. Webster, 1977, p. 95. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 324, no. 5. Ausich, Kammer, and Lane, 1979, p. 1189, Figs. 6A, no. c; 6C, no. f; 7A, no. d. Kammer, Ausich, and Lane, 1983, p. 47, Figs. 8, no. d; 14, nos. A, item c, C, item f. Webster, 1986, p. 165. Webster and Lane, 1987, p. 42. Brower, 1987, p. 1001, Fig. 3, nos. 3, 6. Webster, 1988, p. 92. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 10, no. B. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 65. Harvey and Ausich, 1997, p. 304, Figs. 3.1, 3.4. Ausich, 1998b, p. 27. Hauser, 2002, p. 57, Fig. 45. Rozhnov, 2002, p. S638, Fig. 81, nos. c-d (diagramatic).

Named, currently recognized species based on cups or crowns: 12 species. 6 Devonian, 1 Emsian, 1 Emsian, Givetian, 1 Eifelian, 1 Eifelian – Givetian, 1 Givetian, 1 Frasnian; 6 Mississippian, Viséan Middle Devonian, Sigenian – Givetian; Mississippian, Viséan (Osagean). North America

*Halysiocrinus barrisi* (Worthen, 1875) = *Synchirocrinus barrisi*

*Halysiocrinus bradleyi* (Meek and Worthen, 1869). Weller, S., 1898c, p. 304. Grabau and Shimer, 1910, p. 504, Fig. 1815. Bassler and Moodey, 1943, p. 500. Moore, 1962a, p. 33, Fig. 7, no. J. Van Sant *in* Van Sant and Lane, 1964, p. 69, Fig. 25, no. 1. Webster, 1973, p. 144. Wolf, 1979, p. 150, Fig. 1, no. a. Webster, 1986, p. 165. Ausich, Kammer, and Meyer, 1997, p. 136, Fig. 1.6.

*Calceocrinus? bradleyi* Meek and Worthen, 1869a, p. 73. Meek and Worthen, 1873, p. 502, Pl. 14, fig. 9. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 500.

*Calceocrinus bradleyi* Meek and Worthen, 1869. Miller, S. A., 1889, p. 230. Ausich, Kammer, and Meyer, 1997, p. 136.

*Deltacrinus bradleyi* (Meek and Worthen, 1869). Miller, S. A., 1889, p. 238. Ausich, Kammer, and Meyer, 1997, p. 136.

*Halysiocrinus? bradleyi* (Meek and Worthen, 1869). Bather, 1893a, p. 67. Bassler and Moodey, 1943, p. 500. Ausich, Kammer, and Meyer, 1997, p. 136. Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Halysiocrinus? bradleyi* (Meek and Worthen, 1869) = *Halysiocrinus bradleyi*

*Halysiocrinus carinatus* Springer, 1926a, p. 122, Pl. 29, figs. 24-26. Bassler and Moodey, 1943, p. 500. Moore, 1962a, p. 33. Webster, 1973, p. 145. Devonian, Eifelian - Givetian, Alpena Limestone; Cedar Valley Formation, Littleton Member; Sellersburg Limestone. United States, Michigan, Iowa, Indiana

*Halysiocrinus clarus* (Hall, 1862) = *Deltacrinus clarus*

*Halysiocrinus cumberlandensis* Ausich, Kammer, and Meyer, 1997, p. 137, Figs. 1.19-1.22.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky, Tennessee

\**Halysiocrinus dactylus* (Hall, 1860). Ulrich, E. O., 1886, p. 110. Springer, 1926a, p. 95, Pl. 30, figs. 1-3a. Bassler and Moodey, 1943, p. 500. Moore and Laudon, 1944, p. 145, Pl. 55, fig. 5. Moore, 1962a, p. 33, Pl. 2, fig. 1; Fig. 7, no. I. Van Sant *in* Van Sant and Lane, 1964, p. 69, Fig. 25, no. 3. Good, 1968, Pl. 1, fig. 6. Webster, 1973, p. 145. Webster, 1977, p. 95. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 326, nos. 4a-4b. Webster, 1986, p. 165. Brower, 1987, p. 1001, Figs. 3, no. 9; 4, nos. 7-9, 19-21. Brower, 1988b, p. 74, Figs. 2-6. Brower, 1990, p. 301, Fig. 7, nos. 29-30. Webster, 1993, p. 66. Lee, Ausich, and Kammer, 2005, p. 352.

*Cheirocrinus dactylus* Hall, 1860b, p. 123, Figs. 1-2. Miller, S. A., 1889, p. 231. Weller, S., 1898c, p. 304. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 500.

*Cheirocrinus (Calceocrinus?) dactylus* (Hall, 1860). Shumard, 1868, p. 358.

*Deltacrinus dactylus* (Hall, 1860). Miller, S. A., 1889, p. 238. Springer, 1923a, p. 19, Pl. 5, fig. 20. Bassler and Moodey, 1943, p. 500.

*Calceocrinus dactylus* (Hall, 1860). Miller, S. A., 1889, p. 230.

*Cheirocrinus ventricosus* Hall, 1860b, p. 123. Miller, S. A., 1889, p. 231. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 500.

*Cheirocrinus (Calceocrinus?) ventricosus* (Hall, 1860). Shumard, 1868, p. 359.

*Calceocrinus ventricosus* (Hall, 1860). Miller, S. A., 1889, p. 230. Keyes, 1894a, p. 222. Weller, S., 1898c, p. 305.

Mississippian, Viséan (Osagean), Nada Member, Borden Formation; upper part of Burlington Limestone. United States, Kentucky, Iowa

*Halysiocrinus elephantinus* Laudon, 1936, p. 66, Figs. 14-15. Bassler and Moodey, 1943, p. 500. Moore, 1962a, p. 33, Fig. 7, no. H. Webster, 1973, p. 145.

Devonian, Eifelian, Cedar Valley Formation, Linwood Member. United States, Iowa

*Halysiocrinus eremitus* Hauser, 2002, p. 57, Pl. 9, fig. 5; Fig. 46.

Devonian, latest Frasnian, Büdesheim Formation. Belgium

*Halysiocrinus granuliferus* (Rowley, 1903) = *Halysiocrinus tunicatus*

*Halysiocrinus keyserensis* Springer, 1926 = *Synchirocrinus keyserensis*

*Halysiocrinus? lamellosus* (Hall, 1860). Moore, 1962a, p. 33. Webster, 1973, p. 145.

*Cheirocrinus lamellosus* Hall, 1860b, p. 123. Miller, S. A., 1889, p. 231. Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 33. Webster, 1973, p. 145.

*Cheirocrinus (Calceocrinus?) lammellosus* (Hall, 1860). Shumard, 1868, p. 358.

*Calceocrinus lamellosus* (Hall, 1860). Shumard, 1866, p. 358. Miller, S. A., 1889, p. 230. Bassler, 1915, p. 157. Bassler and Moodey, 1943, p. 346. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Halysiocrinus marylandensis* (Ohern, 1913) = *Halysiocrinus marylandicus*

*Halysiocrinus marylandicus* (Ohern, 1913). Bassler and Moodey, 1943, p. 500.

*Calceocrinus marylandicus* Ohern, 1913, p. 253, Pl. 40, figs. 1-3. Bassler and Moodey, 1943, p. 500.

*Halysiocrinus marylandensis* (Ohern, 1913). Springer, 1926a, p. 122, Pl. 29, figs. 23-23b (sic).

Devonian, Pragian (Siegenian), Oriskany Sandstone, Ridgeley Sandstone. United States, West Virginia

*Halysiocrinus marylandensis* Springer, 1926 = *Synchirocrinus marylandensis*

*Halysiocrinus nodosus* (Hall, 1860) = *Halysiocrinus tunicatus*

*Halysiocrinus perplexus* (Shumard, 1868) = *Halysiocrinus tunicatus*

*Halysiocrinus?* *perplexus* (Shumard, 1868) = *Halysiocrinus tunicatus*

*Halysiocrinus* (*Calceocrinus?*) *perplexus* Shumard, 1868 = *Halysiocrinus tunicatus*

*Halysiocrinus robustus* (Worthen, 1890) = *Halysiocrinus tunicatus*

*Halysiocrinus?* *robustus* (Worthen, 1890) = *Halysiocrinus tunicatus*

*Halysiocrinus secundus* (Hall, 1872). Goldring, 1923, p. 337, Pl. 41, figs. 6-9; Figs. 55-57. Bassler and Moodey, 1943, p. 500.

*Calceocrinus* (*Cheirocrinus*) *secundus* Hall, 1872c, Pl. 1A, figs. 13-14. Bassler and Moodey, 1943, p. 500.

*Deltacrinus secundus* (Hall, 1872). Moore, 1962a, p. 28. Webster, 1973, p. 102. Devonian, Emsian, Givetian, Onondaga Limestone, Tully Limestone, Westbrook Member. United States, New York

*Halysiocrinus septarmatus* Brower, 1966, p. 630, Pl. 75, figs. 8-9, 19-20; Fig. 2, no. G. Webster, 1973, p. 145.

Devonian, Givetian (Erian), Cedar Valley Formation. United States, Iowa

*Halysiocrinus springeri* Brower, 1966 (part) = *H. tunicatus*

*Halysiocrinus?* *tuberculatus* Yakovlev, 1927 = *\*Epihalysiocrinus tuberculatus*

*Halysiocrinus tunicatus* (Hall, 1860). Bather, 1893a, p. 67. Weller, S., 1898c, p. 304.

Bassler and Moodey, 1943, p. 501. Moore, 1962a, p. 33. Van Sant *in* Van Sant

- and Lane, 1964, p. 70. Webster, 1973, p. 145. Webster, 1976, p. 686. Kammer, 1984, p. 121, Fig. 2, nos. X-Y. Webster, 1986, p. 166. Brower, 1987, p. 1002, Figs. 3, no. 10; 4, nos. 10-12, 22-24. Brower, 1988b, p. 74, Figs. 2-6. Webster, 1988, p. 92. Brower, 1990, p. 301, Fig. 7, nos. 31-32. Webster, 1993, p. 66. Ausich, Kammer, and Meyer, 1997, p. 132, Figs. 1.1-1.5, 1.7-1.11, 1.17, 2. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 4.
- Cheirocrinus tunicatus* Hall, 1860b, p. 124, Unnum. Fig. Miller, S. A., 1889, p. 231. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 501. Ausich, Kammer, and Meyer, 1997, p. 132.
- Cheirocrinus (Calceocrinus?) tunicatus* Hall, 1860. Shumard, 1868, p. 359. Ausich, Kammer, and Meyer, 1997, p. 132.
- Calceocrinus tunicatus* (Hall, 1860). Hall, 1879a, p. 147, Fig. 1. Hall, 1882b, p. 281, Fig. 1. Miller, S. A., 1889, p. 230. Worthen, 1890, p. 93, Pl. 12, fig. 6. Keyes, 1894a, p. 222, Pl. 30, fig. 4. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 501. Ausich, Kammer, and Meyer, 1997, p. 132.
- Deltacrinus tunicatus* (Hall, 1860). Miller, S. A., 1889, p. 238. Ausich, Kammer, and Meyer, 1997, p. 132.
- Deltacrinus? tunicatus* (Hall, 1860). Ulrich, 1886, p. 110. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus nodosus* (Hall, 1860). Ulrich, E. O., 1886, p. 113. Springer, 1926a, p. 124, Pl. 30, figs. 14-21. Bassler and Moodey, 1943, p. 500. Moore and Laudon, 1944, p. 147, Pl. 55, fig. 9. Ubaghs, 1953, p. 746, Fig. 35, nos. a-c. Moore, 1962a, p. 33, Pl. 2, fig. 3; Figs. 1, 7, no. K. Yakovlev, 1964b, p. 69, Fig. 100. Van Sant *in* Van Sant and Lane, 1964, p. 70, Fig. 25, no. 4. Webster, 1973, p. 145. Webster, 1976, p. 686. Ubaghs *in* Moore and Teichert, 1978, p. T113, T145, Figs. 87, no. 2; 101, no. 1; 118, no. 2. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 326, no. 4c. Meyer and Ausich, 1983, p. 382, Fig. 1, no. h. Webster, 1986, p. 166. Webster, 1988, p. 92. Ausich, Kammer, and Meyer, 1997, p. 132. Stinchcomb, 2008, p. 127, Fig. 07-060.
- Cheirocrinus nodosus* Hall, 1860b, p. 124. Miller, S. A., 1889, p. 231. Bassler and Moodey, 1943, p. 500. Ausich, Kammer, and Meyer, 1997, p. 132.
- Cheirocrinus (Calceocrinus?) nodosus* Hall, 1860. Shumard, 1868, p. 358. Ausich, Kammer, and Meyer, 1997, p. 132.
- Calceocrinus nodosus* (Hall, 1860). Hall, 1872c, Pl. 6, fig. 15. Miller, S. A., 1889, p. 230. Bassler and Moodey, 1943, p. 500. Ausich, Kammer, and Meyer, 1997, p. 132.
- Deltacrinus nodosus* (Hall, 1860). Miller, S. A., 1889, p. 238. Springer, 1923a, p. 19, Pl. 5, fig. 21. Bassler and Moodey, 1943, p. 500. Ausich, Kammer, and Meyer, 1997, p. 132.
- Cheirocrinus (Calceocrinus) perplexus* Shumard, 1866, p. 358. Shumard, 1868, p. 358. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 500. Kammer, 1984, p. 121. Webster, 1988, p. 92.
- Cheirocrinus perplexus* Shumard, 1868. Miller, S. A., 1889, p. 231.
- Calceocrinus perplexus* (Shumard, 1866). Miller, S. A., 1889, p. 230. Weller, S., 1898c, p. 157. Ausich, Kammer, and Meyer, 1997, p. 132.
- Calceocrinus? perplexus* (Shumard, 1868). Ausich, Kammer, and Meyer, 1997, p. 132.

- Halysiocrinus perplexus* (Shumard, 1886). Weller, S., 1898c, p. 304. Springer, 1926a, p. 123, Pl. 30, figs. 4-13. Moore, 1939b, p. 231, Fig. 11, no. 7. Bassler and Moodey, 1943, p. 500. Ubaghs, 1953, p. 746, Fig. 35, nos. d-f. Moore, 1962a, p. 33, Pl. 3, fig. 6. Webster, 1973, p. 145. Ubaghs *in* Moore and Teichert, 1978, p. T133, Fig. 104, nos. 2-3. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 326, no. 4d. Webster, 1986, p. 166. Brower, 1990, p. 301, Fig. 7, nos. 33-34. Webster, 1993, p. 66. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus? perplexus* (Shumard, 1868). Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus (Calceocrinus?) perplexus* Shumard, 1868. Ausich, Kammer, and Meyer, 1997, p. 132.
- Calceocrinus robustus* Worthen *in* Miller, S. A., 1889, p. 230. Weller, S., 1898c, p. 157. Ausich, Kammer, and Meyer, 1997, p. 132.
- Cheirocrinus robustus* (Worthen, 1889). Worthen, 1890, p. 92, Pl. 12, fig. 7. Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 500. Kammer, 1984, p. 121. Webster, 1988, p. 92. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus robustus* (Worthen, 1890). Weller, S., 1898c, p. 304. Bassler and Moodey, 1943, p. 500. Moore, 1962a, p. 33. Webster, 1973, p. 145. Webster, 1976, p. 686. Webster, 1986, p. 166. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus? robustus* (Worthen, 1890). Bather, 1893a, p. 67. Bassler and Moodey, 1943, p. 500. Ausich, Kammer, and Meyer, 1997, p. 132.
- Calceocrinus? granuliferus* Rowley, R. R., 1903b, p. 114, Pl. 35, figs. 7-9. Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 33. Webster, 1973, p. 145. Kammer, 1984, p. 121. Webster, 1988, p. 92. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus granuliferus* (Rowley, 1903). Moore, 1962a, p. 33. Webster, 1973, p. 145. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus ventricosus* (Hall, 1860). Bather, 1893a, p. 65, Pl. 4, figs. 141-142. Weller, S., 1898c, p. 304 (part). Grabau and Shimer, 1910, p. 503. Ausich, Kammer, and Meyer, 1997, p. 132.
- Halysiocrinus springeri* Brower, 1966, p. 631 (part), Pl. 75, figs. 1-7, 23. Webster, 1973, p. 145. Ausich, Kammer, and Meyer, 1997, p. 137, Figs. 1.12-1.14.
- Halysiocrinus* sp. 2 Springer, 1911a, p. 194. Brower, 1966, p. 631. Webster, 1973, p. 145.
- Halysiocrinus* sp. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, no. H. Webster, 1993, p. 66. Ausich, Kammer, and Meyer, 1997, p. 132.
- Mississippian, Viséan (Osagean), New Providence Shale Member, Borden Formation; Keokuk Limestone; Fort Payne Formation; Edwardsville Formation; lower part of Warsaw Formation; upper part of Warsaw Formation; Muldraugh Member, Borden Formation; Ramp Creek Formation. United States, Indiana, Kentucky, Iowa, Illinois, Missouri, Tennessee

*Halysiocrinus ventricosus* (Hall, 1860) = *Halysiocrinus dactylus* = *H. tunicatus*

*Halysiocrinus wachsmuthi* (Meek and Worthen, 1869). Ulrich, E. O., 1886, p. 113. Bassler and Moodey, 1943, p. 501. Moore, 1962a, p. 33. Webster, 1973, p. 145.

*Calceocrinus? wachsmuthi* Meek and Worthen, 1869a, p. 74. Meek and Worthen, 1873, p. 444, Pl. 11, fig. 1. Miller, S. A., 1889, p. 230. Bassler and Moodey, 1943, p. 501.

*Deltacrinus wachsmuthi* (Meek and Worthen, 1869). Miller, S. A., 1889, p. 238. Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone. United States, Iowa

*Halysiocrinus* sp. 2 Springer, 1911 = *Halysiocrinus springeri* = *H. tunicatus*

*Halysiocrinus* sp. Meyer, Ausich, and Terry, 1989 = *H. tunicatus*

*Halysiocrinus* spp.

Ubaghs in Moore and Teichert, 1978, p. T113, Fig. 87, nos. 1, 3. Webster, 1986, p. 166.

Middle Devonian - Early Mississippian. United States  
Lane, 1986, p. 156, Figs. 2, 5. Webster, 1993, p. 66.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana

Webster and Lane, 1987, p. 42, Fig. 6, nos. 13-15. Webster, and Lane, 1993, p. 66.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada  
Brower, 1990, p. 301, Fig. 7, nos. 25-26. Webster, 1993, p. 66.

No age given

Meyer and Ausich, 1992, p. 5, Fig. 5, no. H.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

Donovan, 1992c, p. 34, Fig. 4, nos. A-C.

Mississippian, Viséan (Chadian). United Kingdom, Scotland, Clitheroe area  
Howell, 1995, p. 100, Pl. 5, fig. 9.

No age or locality given

Ausich, Kammer, and Meyer, 1997, p. 138, Figs. 1.15-1.16, 1.18.

Mississippian, Viséan (Osagean), Harrodsburg Limestone, Salem Limestone.  
United States, Indiana

Greb et al., 2008, p. 18, Fig. 4, no. d; unnumbered.

Mississippian, Viséan late Osagean, Fort Payne Formation. United States, Kentucky

Meyer and Ausich, 2009, p. 7, Fig. 5, no. H.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

Ausich and Roeser, 2012, p. 505, Figs. 10.1-10.2.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale Member. United States, Ohio

Hapalocrinidae cf. *Culicocrinus nodosus* (Müller, 1852). Breimer, 1962a, p. 122, Pl. 11, figs. 1-4.

Devonian, probably Emsian. Spain

Hapalocrinidae indet. Jell, 1999a, p. 55, Fig. 43.

Silurian, late Ludlovian, Melbourne Formation. Australia, Victoria

?Hapalocrinoid Hou et al., 1994 = *Chinacrinus xinjiangensis*

**HAPALOCRINUS** Jaekel, 1895. \**H. elegans* Jaekel, 1895.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

Jaekel, 1895a, p. 95. Bather, 1897a, p. 337. Bather *in* Lankester, 1900, p. 156. Springer *in* Zittel, 1913, p. 199. Springer, 1926a, p. 52. Schmidt, W. E., 1934, p. 31. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 501. Moore and Laudon, 1943b, p. 101. Moore and Laudon, 1944, p. 203. Cuénot, 1948, p. 68. Ubaghs, 1953, p. 743. Webster, 1973, p. 145. Webster, 1977, p. 95. Ubaghs *in* Moore and Teichert, 1978, p. T510. Ausich, 1986e, p. 894. Webster, 1986, p. 166. Webster, 1988, p. 92. Webster, 1993, p. 66.

**AGRIOCRINUS** Jaekel, 1895a, p. 103. \**A. frechi* Jaekel, 1895, SD. Bassler, 1938, p. 36. Bassler and Moodey, 1943, p. 501. Ubaghs *in* Moore and Teichert, 1978, p. T510.

Named, currently recognized species based on cups or crowns: 6 species, 3 subspecies. 1 Silurian; Ludlovian; 5 Devonian, Emsian, (+3 subspecies)

Silurian, Ludlovian. Australia, Victoria

Devonian, early Emsian. Germany

*Hapalocrinus cirrifer* Springer, 1926 = *Clematocrinus cirrifer*

*Hapalocrinus dameryensis* Ramsbottom, 1953 (nomen nudum) = *Clematocrinus ramsbottomi*

*Hapalocrinus devonicus* Springer, 1926 = *Clematocrinus? devonicus*

\**Hapalocrinus elegans* Jaekel, 1895a, p. 96, Pl. 10; Fig. 27. Schmidt, W. E., 1934, p. 31, Pl. 16, fig. 1; Figs. 4b-4c. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 501. Ubaghs *in* Moore and Teichert, 1978, p. T510, Fig. 312, no. 1. Ausich, 1986e, p. 895. Webster, 1986, p. 166. Webster, 1993, p. 66. Bartels and

Brassel,

1990, p. 155, Figs. 141, nos. a-b; 142. Bartels, 1994, p. 51, Fig. 26. Bartels *et al.*, 1997, p. 40, Fig. 49. Bartels, Briggs, and Brassel, 1998, p. 175, Figs. 151-153. Südkamp, 1995a, p. 116, unnumbered figs. p. 116, 121. Südkamp, 1995b,

p.

205, unnumbered figs. p. 205-206. Hess *in* Hess et al., 1999 p. 114, Figs. 123, 125.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Hapalocrinus elegans* Opitz, 1932 (*non* Jaekel, 1891) = *Thallocrinus hauchecornei*

*Hapalocrinus frechi* (Jaekel, 1895). Schmidt, W. E., 1934, p. 35, Pl. 24; Figs. 4a-4a<sub>2</sub>. Opitz, 1935, p. 504, Fig. 1. Wanner, 1943, p. 32, Unnum. Fig. p. 29. Bassler and Moodey, 1943, p. 501. Webster, 1977, p. 95. Ausich, 1986e, p. 895.



- Bartels and Brassel, 1990, p. 158, Figs. 23, 143. Bartels, 1994, p. 49, Fig. 30. Bartels *et al.*, 1997, p. 40, Figs. 50-51. Bartels, Briggs, and Brassel, 1998, p. 42, Fig. 27, p. 178, Fig. 154. Hess *in* Hess *et al.*, 1999 p. 114, Fig. 127. Hauser, 2007, p. 81, Fig. 7.
- Agriocrinus frechi* Jaekel, 1895a, p. 1-3, Pl. 9; Fig. 29. Opitz, 1931, p. 164, Figs. 1, 5. Opitz, 1932, p. 111, Figs. 101-102, 111. Bassler, 1938, p. 36. Bassler and Moodey, 1943, p. 501.
- Devonian, early Emsian, Hunsrück Slate; Givetian, Ahbach Formation.  
Germany, Bundenbach
- Hapalocrinus frechi imbellis* Schmidt, W. E., 1934, p. 37. Schmidt, W. E., 1942, p. 21, Pls. 1, fig. 2; 2, fig. 4. Bassler and Moodey, 1943, p. 501. Webster, 1973, p. 146. Devonian, early Emsian, Hunsrückschiefer. Germany
- Hapalocrinus frechi nimisfurcata* Schmidt, W. E., 1934, p. 37, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 501. Südkamp, 1995a, p. 117, unnumbered fig. p. 117. Devonian, early Emsian, Hunsrückschiefer. Germany
- Hapalocrinus frechi rarefurcata* Schmidt, W. E., 1934, p. 36. Bassler and Moodey, 1943, p. 502.
- Hapalocrinus frechi refurcata* Schmidt, 1934. Bartels, 1995, p. 45, Unnum. Fig. (sic).  
Devonian, early Emsian, Hunsrückschiefer. Germany
- Hapalocrinus frechi refurcata* Schmidt, 1934 = *Hapalocrinus frechi rarefurcata*
- Hapalocrinus gracilis* Springer, 1926 = *Clematocrinus gracilis*
- Hapalocrinus inermis* (Jaekel, 1895) = *Thallocrinus inermis*
- Hapalocrinus innoxius* Schmidt, W. E., 1934, p. 38, Pl. 3, fig. 2. Bassler and Moodey, 1943, p. 502. Ausich, 1986e, p. 895. Bartels and Brassel, 1990, p. 159, Fig. 144. Bartels and Blind, 1995, p. 85, Fig. 4. Bartels *et al.*, 1997, p. 40, Fig. 7. Bartels, Briggs, and Brassel, 1998, p. 179, Fig. 155.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Hapalocrinus penniger* Schmidt, W. E., 1934, p. 38, Pl. 3, fig. 2. Schmidt, W. E., 1942, p. 18, Pl. 2, figs. 1-3; Fig. 1. Webster, 1973, p. 146. Bassler and Moodey, 1943, p. 502. Ausich, 1986e, p. 895. Webster, 1993, p. 66.  
Devonian, early Emsian, Hunsrückschiefer. Germany
- Hapalocrinus pinnulatus* Springer, 1926 = *Clematocrinus pinnulatus*
- Hapalocrinus quinquepennis* Salter *in* Ramsbottom, 1958 = *Clematocrinus quinquepennis*
- Hapalocrinus rauffi* (Schmidt, 1934). Schmidt, W. E., p. 23. Webster, 1973, p. 146. Ausich, 1986e, p. 895. Webster, 1993, p. 67.

*Cyttarocrinus rauffi* Schmidt, W. E., 1934, p. 45, Pl. 21, fig. 2; Fig. 6. Schmidt, W. E., 1942, p. 23. Bassler and Moodey, 1943, p. 402. Webster, 1973, p. 146.  
Devonian, early Emsian, Hunsrückschiefer. Germany

*Hapalocrinus retiarius* (Phillips, 1839) = *Clematocrinus retiarius*

*Hapalocrinus tennesseeensis* Springer, 1926 = *Clematocrinus? tennesseeensis*

*Hapalocrinus tuberculatus* Springer, 1926 = *Clematocrinus tuberculatus*

*Hapalocrinus victoriae* Bather, 1897a, p. 337, Pl. 15. Bassler and Moodey, 1943, p. 502. Ausich, 1986e, p. 895. Webster, 1993, p. 67.  
Silurian, Ludlovian. Australia, Victoria

*Hapalocrinus? victoriae* Bather, 1897. Jell, 1999a, p. 51, Fig. 37, nos. A-B.  
Silurian, late Ludlovian, Melbourne Formation. Australia, Victoria

*Hapalocrinus* sp. nov. Donovan and Harper, 1954 = *Clematocrinus ramsbottomi*

*Hapalocrinus* spp.

Seilacher, 1961, p. 15, Fig. 1, title cover. Webster, 1973, p. 146.

Devonian, Coblenzian, Hunsrückschiefer. Germany

Milicina, 1985, p. 45, Pl. 1, figs. 6-7; Fig. 1. Webster, 1988, p. 92.

Silurian, Llandoveryan, lower part of Persei Suite. Russia, Nova Zemlya

Bartels and Brassel, 1990, p. 153, Figs. 138-139.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Bartels and Blind, 1995, p. 80, Fig. 1.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Bartels *et al.*, 1997, p. 40, Figs. 21, 48, 52, 56.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Bartels, Briggs, and Brassel, 1998, p. 170, Fig. 147; p. 195, Fig. 172.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Hapalocrinus/Acanthocrinus* – Gruppe stachel Hauser 2008, Pls. 12, fig. 11; 16, figs. 8-10.

Devonian, Eifelian. Germany

**HAPLOCRINITES** Steininger, 1837. \**Eugeniocrinites mespiliformis* Goldfuss, 1831.

Sbc. Disparida, Spf. Allagecrinoidea, F. Haplocrinitidae

Steininger, 1834, p. 232. Steininger, 1837, p. 231. Bronn, 1848, p. 569. Steininger,

1853, p. 36. Sandberger and Sandberger, 1856, p. 398. Quenstedt, 1885, p. 964.

Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 502. Moore and Laudon,

1943b, p. 30, Fig. 3. Moore and Laudon, 1944, p. 147, Pl. 52, fig. 2. Bouska,

1946a, p. 1, Pl. 1, fig. 5. Bouska, 1946b, p. 1, Pl. 1, fig. 5. Ubaghs, 1953, p. 746.

Moore, 1962b, p. 10, Fig. 3, no. 3. Strimple, 1963d, p. 29, Fig. 8, no. c. Webster,

1973, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T547. Le

Menn, 1985, p. 70, Fig. 3, nos. E-F. Webster, 1986, p. 166. Sevastopulo and

Lane, 1988, p. 246. Clement, 1988, p. 112. Webster, 1988, p. 92. Le Menn,

1992, p. 106. Chen and Yao, 1993, p. 53, Fig. 27. Webster, 1993, p. 67. Hauser, 1997, p. 87, Fig. 25. Hauser, 2002, p. 55, Fig. 43. Hauser, 2003, p. 22, Fig. 20. Hauser, 2008, p. 23, Fig. 30. Webster and Rakhmonov, 2009, p. 237. LeMenn, 2009, p. 469, Fig. 7.25, no. b.

*ASTEROCRINUS* Münster, 1838. \**A. purchisoni* Münster, 1838. Bigsby, 1868, p. 18. Zittel, 1880, p. 380. Miller, S. A., 1889, p. 225. Bassler, 1938, p. 46. Moore and Laudon, 1943b, p. 30. Webster, 1973, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T547.

*APLOCRINUS* d'Orbigny, 1849, p. 102. D'Orbigny, 1849-51, p. 139. Bassler, 1915, p. 588. Bassler, 1938, p. 43. Bassler and Moodey, 1943, p. 502. Moore and Strimple *in* Moore and Teichert, 1978, p. T547.

*HAPLOCRINUS* Steininger, 1834. Roemer, C. F., 1844, p. 63. Bronn, 1848, p. 569. Sandberger and Sandberger, 1850-1856, p. 398. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 260. Burmeister, 1856, p. 244. Pictet, 1857, p. 309. Dujardin and Hupé, 1862, p. 105. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 215. Shumard, 1868, p. 376. Bigsby, 1868, p. 20. Zittel, 1880, p. 342, 347. Wachsmuth and Springer, 1886, p. 159 (83). Miller, S. A., 1889, p. 252. Wachsmuth and Springer, 1889a, p. 337. Whidborne, 1895, p. 204. Zittel, 1895, p. 124. Koken, 1896, p. 279. Bather, 1893a, p. 20. Bather *in* Lankester, 1900, p. 151. Wachsmuth *in* Zittel, 1900, p. 135. Steinmann, 1903, p. 172. Delage and Herouard, 1903, p. 377. Steinmann, 1907, p. 194. Grabau and Shimer, 1910, p. 499. Springer *in* Zittel, 1913, p. 208. Bassler, 1915, p. 588. Jaekel, 1918, p. 85. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 502. Bouska, 1946b, p. 1. Cuénot, 1948, p. 60. Webster, 1973, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T547.

*ASTEROCRINITES* Roemer, C. F., 1851b, p. 390. Moore and Laudon, 1943b, p. 30. Webster, 1973, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T547.

Named, currently recognized species based on cups or crowns: 13 species. 3 Silurian, 3 Niagaran; 10 Devonian, 3 Eifelian, 1 Eifelian - Givetian, 2 Givetian, 1 Givetian – Frasnian, 1 Frasnian, 1 Famennian; 1 Mississippian, Tournaisian  
Silurian, Niagaran. Estonia  
Silurian, Niagaran, Middle Devonian, Eifelian. North America  
Middle Devonian. Morocco; Russia  
Devonian, Eifelian - Mississippian, Tournaisian. Europe  
Devonian, Givetian. France, Poland  
Devonian, Famennian. China, Yunnan

*Haplocrinites armoricensis* Le Menn, 1985, p. 70, Pls. 14, figs. 7-12; 15, figs. 1-5; Figs. 27, 30, no. D; 83, no. B. Webster, 1988, p. 92. Le Menn and Pidal, 1989, p. 263, Pl. 5, figs. 11-14; Fig. 1, no. D. Le Menn, 1992, p. 107, Pl. 1, figs. 12-15; Fig. 2, no. D. Gluchowski, 1993a, p. 42, Fig. 5, nos. C-G. Webster, 1993, p. 67. Hauser, 2003, p. 23, Figs. 21-22.

Devonian, Givetian, Kergarvan Formation; Laskowa Gora Beds. France, Armorican Massif, Poland

*Haplocrinites bipyramidatus* Chen and Yao, 1993, p. 53, Pl. 11, fig. 1; Fig. 28, nos. a-c. Hauser, 2003, p. 24, Figs. 23-24. Webster, Waters, and Chen, 2009, p.149, Fig.

- 9, nos. a-d, hh-jj.  
*Haplocrinites clio* Hall; Chen and Yao, 1993, p. 53, Pl. 11, fig. 13. Webster, Waters, and Chen, 2009, p.149.  
 Devonian, early Famennian, upper part of Heyuanzhai Formation, Dazhaimenj Formation. China, Yunnan
- Haplocrinites boitardi* Rouault, 1847. Le Menn and Pidal, 1989, p. 262, Pl. 5, figs. 5-10; Fig. 1, no. C. Le Menn, 1992, p. 107, Pl. 1, figs. 9-11; Fig. 2, no. C. Webster, 1993, p. 67. Le Menn, 1997b, p. 133, Pl. 4, figs. 2-3. Hauser, 2003, p. 24, Figs. 25-26.  
*Eugeniocrinites boitardi* Rouault, 1847, p. 323. Le Menn, 1985, p. 74.  
 Devonian, Givetian - Frasnian, Lanvoy Formation; Kergarvan Formation; Candas Formation; Pineres Formation. France; Spain; Algeria
- Haplocrinites clio* (Hall, 1862). Bassler and Moodey, 1943, p. 502. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 6. Moore and Laudon, 1944, p. 147, Pl. 56, fig. 14. Termier, G. and Termier, H., 1950, p. 88, Pl. 228, figs. 3-14. Strimple, 1963d, Fig. 10, nos. b-d. Webster, 1973, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T547, Fig. 341, nos. 2c-2f. Webster, 1986, p. 166. Le Menn, 1992, p. 107, Pl. 1, figs. 7-8. Hauser, 2003, p. 24, Figs. 27-28.  
*Haplocrinus clio* Hall, 1862a, p. 115, Pl. 1, figs. 5-9. Hall, 1862b, p. 143, Pl. 1, figs. 5-9. Shumard, 1868, p. 376. Miller, S. A., 1889, p. 252. Grabau and Shimer, 1910, p. 500, Fig. 1810. Goldring, 1923, p. 326, Pl. 40, figs. 10-14. Bassler and Moodey, 1943, p. 502.  
 Devonian, Eifelian, Marcellus Shale, Cherry Valley Limestone. United States, New York  
 Devonian, Givetian. Algeria
- Haplocrinites clio* (Hall); Chen and Yao, 1993 = *Haplocrinites bipyramidatus*
- Haplocrinites* aff. *clio* (Hall, 1862). Le Maitre, 1858b, p. 132, Pl. 3, fig. 7. Webster, 1973, p. 146.  
 Devonian, Givetian. Algeria
- Haplocrinites decipiens* (Whidborne, 1889). Bassler and Moodey, 1943, p. 502. Le Menn, 1992, p. 107. Hauser, 2003, p. 24.  
*Haplocrinus decipiens* Whidborne, 1889, p. 79. Whidborne, 1895, p. 205, Pl. 23, figs. 9-9a. Bassler and Moodey, 1943, p. 502.  
 Devonian, late Givetian. United Kingdom
- Haplocrinites gluchowskii* Hauser, 2002, p. 55, Pl. 10, figs. 3-3a; Fig. 44. Hauser, 2003, p. 23, Pl. 6, figs. 9-10 (non figs. 1-2 as given p. 23); Fig. 29.  
 Devonian, Frasnian. Poland; Belgium
- Haplocrinites granatus* (de Koninck, 1869). Bassler and Moodey, 1943, p. 503. Wright, J., 1954a, p. 149. Webster, 1973, p. 146. Hauser, 2003, p. 25, Figs. 30-32.

*Haplocrinus granatum* de Koninck, 1869, p. 551, Pl. 5, figs. 6-10. Bassler and Moodey, 1943, p. 503.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Haplocrinites granulatus* (Troost in Wood, 1909). Troost in Wood, 1850a, p. 61. Troost in Wood, 1850b, p. 420. Bassler, 1915, p. 589. Bassler and Moodey, 1943, p. 503. Ausich, 2009a, p. 487, suppl. p. 27. Webster and Rakhmonov, 2009, p. 238 (rejected from genus).

*Haplocrinus granulatus* Troost in Wood, E., 1909, p. 25, Pl. 4, figs. 4-5. Shumard, 1868, p. 376. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 589. Bassler and Moodey, 1943, p. 503.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Haplocrinites hemispherica* Troost, 1850 = *Parapisocrinus quinquelobus*

*Haplocrinites hemisphaericus* Troost, 1850 = *Pisocrinus quinquelobus* = *Parapisocrinus quinquelobus*

*Haplocrinites hemisphericus* Troost, 1850 = *Parapisocrinus quinquelobus*

*Haplocrinites maximus* (Troost in Wood, 1909). Troost, 1850a, p. 61. Troost, 1850b, p. 420. Bassler, 1915, p. 589. Bassler and Moodey, 1943, p. 503. Ausich, 2009a, p. 487, suppl. p. 27. Webster and Rakhmonov, 2009, p. 238 (rejected from genus).

*Haplocrinus maximus* Troost in Wood, E., 1909, p. 26, Pl. 4, figs. 6-8. Shumard, 1868, p. 376. Miller, S. A., 1889, p. 252. Troost in Wood, E., 1909, p. 26, Pl. 4, figs. 6-8. Bassler, 1915, p. 589. Bassler and Moodey, 1943, p. 503.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

\**Haplocrinites mespiliformis* (Goldfuss, 1831). Quenstedt, 1852, p. 625, Pl. 55, figs. 15-17. Steininger, 1853, p. 36. Quenstedt, 1885, p. 965, Pl. 78, figs. 21-23. Bassler and Moodey, 1943, p. 503. Ubaghs, 1953, p. 746, Fig. 21, nos. c-d. Yakovlev, 1964b, p. 60, Fig. 70. Webster, 1973, p. 146. Ubaghs in Moore and Teichert, 1978, p. T178, Fig. 148, nos. 4-5. Moore and Strimple in Moore and Teichert, 1978, p. T547, Fig. 341, nos. 2a-2b. Webster, 1986, p. 167. Le Menn and Pidal, 1989, p. 263, Fig. 1, no. A. Le Menn, 1992, p. 106, Pl. 1, figs. 1-4; Figs. 2, no. A. Webster, 1993, p. 67. Hauser, 1997, p. 87, Pl. 39, figs. 5-10. Hauser, 2001, Pl. 26, fig. 5. Hauser, 2003, p. 25, Figs. 33-34. Hauser, 2008, Fig. 41.

*Eugeniocrinites mespiliformis* Goldfuss, 1831, p. 213, Pl. 64, figs. 6a-6f. ?Eichwald, 1840b, p. 173. Bronn, 1848, p. 569. Bassler and Moodey, 1943, p. 503. Hauser, 2008, p. 23, Fig. 38.

*Aplocrinus mespiliformis* (Goldfuss, 1831). d'Orbigny, 1849-51, p. 139, Figs. 288, 367. d'Orbigny, 1850, p. 102.

*Haplocrinus mespiliformis* (Goldfuss, 1831). Bronn, 1848, p. 569. Roemer, C. F. in Bronn and Roemer, p. 261, Pl. 4, figs. 13a-13c. Pictet, 1857, p. 309, Pl. 100, fig. 2, nos. a-c. Bronn, 1860, Pl. 28, figs. 4A-4E. Dujardin and Hupé, 1862, p. 105, Pl. 5, fig. 9. Schultze, 1866, p. 104 (adv. pub.). Schultze, 1867, p. 216, Pl. 12, figs. 10-11. Zittel, 1880, p. 330, 347, Figs. 223, 234. Wachsmuth and Springer,

- 1886, p. 162 (86), Pl. 5, figs. 1-4. Wachsmuth and Springer, 1889a, p. 340, Pl. 18, figs. 6a-6c. Neumayr, 1889, p. 450, Fig. 128. Zittel, 1895, p. 124, Fig. 236, nos. a-d. Wachsmuth and Springer, 1897, Pl. 3, figs. 12-12b. Weller, S., 1900, p. 33, Figs. 19-20, 26-27. Bather *in* Lankester, 1900, p. 125, Fig. 35. Wachsmuth *in* Zittel, 1900, p. 135, Fig. 236. Frech, 1902, Pl. 27, figs. 8a-8b. Steinmann, 1903, p. 173, Fig. 238, nos. A-C. Delage and Herouard, 1903, p. 376, Figs. 444-445. Steinmann, 1907, p. 194, Fig. 273, nos. A-C. Gürich, 1909, p. 107, Pl. 33, fig. 2. Springer, 1926a, p. 50, Pl. 25, figs. 28-29a. Bassler and Moodey, 1943, p. 503. Sieverts-Doreck, 1960, Pl. 1, fig. 1.
- Haplocrinites sphaeroideus* Steininger, 1837, p. 232, Pl. 8, fig. 19. Steininger, 1837, p. 232. Bronn, 1848, p. 569. Bassler, 1938, p. 108. Bassler and Moodey, 1943, p. 503.
- Symbathcrinites conicus* Bronn, 1848, p. 569.  
Devonian, Eifelian, Freilingen Formation. Germany  
Silurian. Estonia (Probably not *H. mespiliformis*, GDW)
- Haplocrinites* aff. *mespiliformis* (Goldfuss, 1831). Racki, Gluchowski, and Malec, 1985, p. 166, Pl. 7, fig. 13.  
Devonian, late Givetian. Poland
- Haplocrinites* aff. *mespiliformis* (Goldfuss, 1831). Le Menn and Pidal, 1989, p. 264, Pl. 5, figs. 3-4; Fig. 1, no. B. Webster, 1993, p. 67.  
Devonian, Givetian, Kerbelec Formation. France
- Haplocrinites* aff. *mespiliformis* (Goldfuss, 1831). Le Menn, 1992, p. 107, Pl. 1, figs. 5-6; Fig. 2, no. B.  
Devonian, Givetian. France
- Haplocrinites* aff. *mespilicormis* (Goldfuss, 1831). Hauser, 2008, Pl. 15, figs. 9-10.  
Devonian, Eifelian. Germany
- Haplocrinites ovalis* (Troost *in* Wood, 1909). Troost *in* Wood, 1850a, p. 61. Troost *in* Wood, 1850b, p. 420. Bassler, 1915, p. 589. Bassler and Moodey, 1943, p. 503. Ausich, 2009a, p. 487, suppl. p. 28. Webster and Rakhmonov, 2009, p. 238 (rejected from genus).
- Haplocrinus ovalis* Troost *in* Wood, E., 1909, p. 25, Pl. 4, fig. 3. Bassler, 1915, p. 589. Shumard, 1868, p. 376. Miller, S. A., 1889, p. 252. Bassler and Moodey, 1943, p. 503.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Haplocrinites sphaeroideus* Steininger, 1837 = \**Haplocrinites mespiliformis*
- Haplocrinites stellaris* (Roemer, 1844). Quenstedt, 1885, p. 965, Pl. 78, fig. 24. Bassler and Moodey, 1943, p. 503. Le Menn, 1992, p. 107, Pl. 1, figs. 16-19; Fig. 2, no. E. Hauser, 1997, p. 89, Pl. 39, figs. 12. (not Pl. 39, figs. 10-11 as given p. 89). Hauser, 2003, p. 25, Figs. 35-36. Hauser, 2008, p. 23, Pl. 15, fig. 11; Fig. 40.

*Haplocrinus stellaris* Roemer, C. F., 1844, p. 63, Pl. 3, fig. 5. Bronn, 1848, p. 569.  
 Roemer, C. F. in Bronn and Roemer, 1851, p. 261. Sandberger and  
 Sandberger,  
 1850-1856, p. 399, Pl. 35, figs. 7-7b. Dujardin and Hupé, 1862, p. 106. Kayser,  
 1872, p. 685. Holzapfel, 1895, p. 300. Beyer, 1896, p. 88, Pl. 3, fig. 79. Sobolew,  
 1909, p. 512, Pl. 5, figs. 8a-8b. Bassler and Moodey, 1943, p. 503.  
 Devonian, Eifelian, Freilingen Formation. Germany  
 Middle Devonian. Russia, Kielelets-Sandomir Mountain

*Haplocrinites uzbekistanensis* Webster and Rakhmonov, 2009, p. 238, Fig. 2, nos. A-F.  
 Devonian, Eifelian, Khodzhakurgan Formation, Novikhoshk Beds. Uzbekistan

*Haplocrinites* sp. A. Le Menn and Pidal, 1989, p. 264, Pl. 5, figs. 1-2. Webster, 1993,  
 p. 67.  
 Devonian, Eifelian, Saint-Fiacre Formation; Quelern Formation. France

*Haplocrinites* sp. A Le Menn, 1992, p. 107.  
 Devonian, late Eifelian. France

*Haplocrinites* spp.  
 Gluchowski, 1993a, p. 44, Fig. 5, nos. A-B.  
 Devonian, Givetian-Frasnian, lower part of Wietrznia Beds; Detrital Beds. Poland  
 Gluchowski, Casier, and Olempska, 2006, p. 697, Fig. 3, nos. C, D.  
 Devonian, early Middle Frasnian, Wietrznia Beds. Poland

*Haplocrinites?* sp. Termier, H. and Termier, G., 1974, p. 34, Pl. 9, figs. 2-3. Webster,  
 1986, p. 167.  
 Early Devonian?. Morocco

**HAPLOCRINUS** Roemer and authors = **HAPLOCRINITES**

*Haplocrinus annularis* Eichwald, 1856, p. 119. Eichwald, 1860, p. 582, Pl. 31, figs. 1-  
 3c;  
 57a-57c. Bigsby, 1868, p. 20. Bassler and Moodey, 1943, p. 503 (buttons only).  
 Ordovician, Darriwilian. Russia

*Haplocrinus clio* Hall, 1862 = *Haplocrinites clio*

*Haplocrinus cylindricus* Hall, 1852 = *Homocrinus cylindricus* = *Botryocrinus cylindricus* =  
*Thalamocrinus cylindricus* = *T. strimplei*

*Haplocrinus decipiens* Whidborne, 1889 = *Haplocrinites decipiens*

*Haplocrinus granatum* de Koninck, 1869 = *Haplocrinites granatum*

*Haplocrinus granulatus* Wood, 1909 = *Haplocrinites granulatus*

*Haplocrinus hemisphericus* Troost, 1850 = *Haplocrinites hemisphericus* =  
*Parapisocrinus quinquelobus*

*Haplocrinus maximus* Wood, 1909 = *Haplocrinites maximus*

*Haplocrinus mespiliformis* (Goldfuss, 1831) = *Haplocrinites mespiliformis*

*Haplocrinus monile* Eichwald, 1856, p. 119. Eichwald, 1860, p. 580, Pl. 31, figs. 4-9; 17-20, 29a-29c. Bassler and Moodey, 1943, p. 503 (buttons only).

*Haplocrinus monilis* Eichwald, 1856. Bigsby, 1868, p. 20.  
Ordovician. Russia

*Haplocrinus monilis* Eichwald, 1856 = *Haplocrinus monile*

*Haplocrinus ovalis* Wood, 1909 = *Haplocrinites ovalis*

*Haplocrinus stellaris* Roemer, 1844 = *Haplocrinites stellaris*

*Haplocrinus* sp. Blind, 1995, p. 22, Unnum. Fig.

Devonian, early Emsian, Hunsrückschiefer, Bundenbacher Schiefer. Germany,  
Bundenbach

*Haplocrinus?* sp. Richter and Unger, 1856, p. 132, Pl. 3, figs. 21-22.

Devonian, Famennian. Germany

**HAPTOCRINUS** Eckert and Brett, 2001. \**Haplocrinus calvatus* Eckert and Brett, 2001.

Sbc. Disparida, Spf. Myelodactyloidea, F. Tornatilicrinidae

Eckert and Brett, 2001, p. 42.

Named, currently recognized species based on cups or crowns: 2 species. 1

Ordovician, Sandbian – Katian; 1 Silurian, Llandoveryan

Silurian, middle - late Llandoveryan. United States, New York

*Haplocrinus buttsi* Brower, 2008b, p. 580, Figs. 2, nos. 2, 4; 4, nos. 1-6; 5, 1-3; 6, nos. 1-

8.

Ordovician, Sandbian - Katian (early Mohawkian), Hatter Limestone. United  
States, Pennsylvania

\**Haplocrinus calvatus* Eckert and Brett, 2001, p. 43, Pls. 1, figs. 1-2, 9-12, 19-20, 22,  
25; 2, figs. 10-14; Fig. 15, nos. A-D.

Silurian, middle Llandoveryan, Reynales Formation, Hickory Corners Member,  
Wallington Member. United States, New York

*Haplocrinus* sp. Eckert and Brett, 2001, p. 45, Pl. 6, fig. 18; Fig. 16.

Silurian, late Llandoveryan, Wolcott Formation. United States, New York

**HARMOCRINUS** Angelin, 1878 = **STELIDIOCRINUS**



*Harmocrinus longimanus* Angelin, 1878 = *Stelidiocrinus longimanus*

**HARMOSTOCRINUS** Strimple, 1975. \**H. porosus* Strimple, 1975.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Strimple, 1975i, p. 7. Webster, 1986, p. 167. Maples *et al.*, 1990, p. 141. Webster, 1993, p. 67.

Named, currently recognized species based on cups or crowns: 3 Mississippian species, 1 Viséan - Serpukhovian, 2 Serpukhovian Mississippian, Viséan - Serpukhovian (Chesterian). United States

*Harmostocrinus jonesi* Maples, Waters, and Walsh, 1990, p. 142, Figs. 3. Webster, 1993, p. 67.

Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama

*Harmostocrinus minuspiniferous* Strimple, 1975i, p. 7, Pl. 3, figs. 6-7. Webster, 1986, p. 167.

Mississippian, Viséan - Serpukhovian (early Chesterian), Renault Formation. United States, Illinois

\**Harmostocrinus porosus* Strimple, 1975i, p. 7, Pls. 2, fig. 3; 3, figs. 1-5, 8. Webster, 1986, p. 167.

Mississippian, Serpukhovian (middle Chesterian), Golconda Group, Fraileys Formation. United States, Illinois

**HARRELLICRINUS** Arendt *in* Arendt and Broadhead, 1982. \**Strimplecrinus tuberculus* Arendt, 1981.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Oligdrachyocrinidae Arendt and Broadhead, 1982, p. 1234. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 92. Webster, 1993, p. 67.

**STRIMPLECRINUS** Arendt, 1981, p. 95. \**S. tuberculus* Arendt, 1981. Arendt and Broadhead, 1982, p. 1234. Webster, 1988, p. 92.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species Permian, late Artinskian. Russia

\**Harrellicrinus tuberculus* (Arendt, 1981). Arendt and Broadhead, 1982, p. 1234. Webster, 1988, p. 93.

*Strimplecrinus tuberculus* Arendt, 1981, p. 96, Pl. 31, fig. 3; Fig. 23, nos. k-p, t. Webster, 1988, p. 93.

Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

**HEBOHENOCRINUS** Webster *et al.*, 2004. \**Hebohenocrinus quasipatellus* Webster *et al.*, 2004.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sbo. Dendrocrinina, Spf.

Mastigocrinoidea, ?F. Mastigocriniade

Webster et al., 2004, p. 40.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Serpukhovian species

Mississippian, late Serpukhovian, E2. Algeria

\**Hebohenocrinus quasipatellus* Webster et al., 2004, p. 41, Pl. 11, figs. 5-7; Fig. 5  
Mississippian, late Serpukhovian, E2, ?between Hassi Kerma and Djenien  
Formations. Algeria

**HELIOCRINUS** Chapman, 1903. \**H. plumosus* Chapman, 1903.

Sbc. Camerata, O - F uncertain

Chapman, F., 1903 (*non* Quenstedt, 1876), p. 107. Bassler, 1938, p. 109. Bassler  
and Moodey, 1943, p. 503. Ubaghs *in* Moore and Teichert, 1978, p. T518.

Webster, 1986, p. 167. Jell, 1999a, p. 55.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian  
species

Silurian. Australia, Victoria

\**Heliocrinus plumosus* Chapman, C., 1903, p. 108, Pls. 17; 18, figs. 1-5. Bassler,  
1938, p. 109. Bassler and Moodey, 1943, p. 504. Jell, 1999a, p. 55, Fig. 42.  
Silurian, late Ludlovian, Melbourne Formation. Australia, Victoria

**HELIOCRINITES** Eichwald, 1840b, p. 189. Bronn, 1848, p. 573 (cystoid). Moore and  
Teichert, 1978, p. T928, unrecognizable genus.

**HELIOCRINUS** Bronn, 1848, p. 573. Eichwald, 1859, p. 626. Moore and Teichert,  
1978, p. T928.

**HELIOCRINUS** Eichwald, 1859 = **HELIOCRINITES**

*Heliocrinus radiatus* (Eichwald, 1840). Bronn, 1848, p. 573.

**HELIOSOCRINUS** Strimple, 1951. \**H. aftonensis* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Stellarocrinidae

Strimple, 1951f, p. 675. Strimple and Moore, 1971a, p. 30. Moore and Strimple,  
1973, p. 49. Strimple, 1973e, p. 19. Webster, 1973, p. 146. Webster, 1977, p.  
95. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670. Webster,  
1986, p. 167. Webster, 1988, p. 93. Lane and Sevastopulo, 1990, p. 336.

Webster, 1993, p. 67. Webster and Maples, 2006, p. 192, Fig. 2, no. E.

Named, currently recognized species based on cups or crowns: 3 species. 2

Mississippian, Serpukhovian; 1 Pennsylvanian, Morrowan

Mississippian, Serpukhovian (Chesterian) - Pennsylvanian, Morrowan. United  
States, Oklahoma

Mississippian, Serpukhovian, Cullia1. Germany

\**Heliosocrinus aftonensis* Strimple, 1951f, p. 676, Pl. 98, figs. 3-4, 7-8. Strimple, 1973e,  
p. 21, Fig. 11, nos. 1-10 (fig. 11, nos. 2-4 primibrachs; 11, nos. 5-6 radials; 11,

- nos. 7-8 pluricolumnals). Webster, 1973, p. 146. Webster, 1977, p. 95. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T670, Fig. 441, no. 2.
- Burdick  
and Strimple, 1983a, p. 238, Pl. 6, fig. 7. Webster, 1986, p. 167. Webster, 1988, p. 93.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States, Oklahoma
- Heliosocrinus? lateriacutus* Haude and Thomas, 1992, p. 338, Pl. 3, figs. E-H; Fig. 12 (brachials).  
Mississippian, Serpukhovian, *Goniatites* Biozone, Cullia1. Germany
- Heliosocrinus neotusus* Moore and Strimple, 1973, p. 50, Pl. 8, figs. 4a-4c. Webster, 1977, p. 95.  
Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma
- Heliosocrinus* sp. Moore and Strimple, 1973, p. 50, Pl. 8, figs. 3a-3b. Webster, 1977, p. 95.  
Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Member. United States, Oklahoma
- Helmintholithus entrochus verrucosus* Linnaeus, 1768 = *Crotalocrinites rugosus*
- HEMIINDOCRINUS** Yakovlev, 1926. \**H. fredericksi* Yakovlev, 1926.  
Subc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae  
Yakovlev, 1926c, p. 57. Bassler, 1938, p. 110. Yakovlev, 1939e, p. 832; **1939f**, p. 832. Bassler and Moodey, 1943, p. 504. Moore and Laudon, 1943b, p. 64. Branson, C. C., 1948, p. 195. Arendt and Hecker, 1964, p. 92. Webster, 1973, p. 146. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678. Arendt, 1981, p. 27. Webster, 1986, p. 167. Webster, 1988, p. 93.  
Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species  
Permian, late Artinskian. Russia, Ural Mountains
- \**Hemiindocrinus fredericksi* Yakovlev, 1926c, p. 57, Pl. 1, fig. 7. Bassler, 1938, p. 110. Bassler and Moodey, 1943, p. 504. Branson, C. C., 1948, p. 195. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 60, Pl. 11, figs. 1-5. Webster, 1973, p. 147. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 1. Arendt, 1981, p. 30, Pls. 4a, figs. 1-5; 5, figs. 1-3: Figs. 6, nos. a-k; 28, figs. g-e; 30, figs. d-g. Webster, 1986, p. 167. Webster, 1988, p. 93.  
Permian, late Artinskian, Sarga Horizon. Russia, Krasnoufimsk
- Hemiindocrinus* sp. Yakovlev, 1949b, p. 879, Fig. 1, no. II. Yakovlev, 1952b, p. 150, Fig. 4. Webster, 1973, p. 147.  
Permian, Artinskian. Russia
- HEMIMOLLOCRINUS** Yakovlev, 1930. \**H. uralensis* Yakovlev, 1930.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mollocrinoidea, F. Mollocrinidae

Yakovlev, 1930a, p. 97. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 504. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948, p. 195. Arendt and Hacker, 1964, p. 92. Webster, 1973, p. 147. Moore and Lane *in* Moore and Teichert, 1978, p. T658. Webster, 1986, p. 168.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, late Artinskian. Russia, Ural Mountains

\**Hemimollocrinus uralensis* Yakovlev, 1930a, p. 97, Pl. 1, figs. 1a-1b. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 504. Branson, C. C., 1948, p. 195. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 59, Pl. 10, figs. 27, 33. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 11. Webster, 1973, p. 147. Moore and Lane *in* Moore and Teichert, 1978, p. T658, Fig. 431, no. 1. Webster, 1986, p. 168. Permian, late Artinskian. Russia, Ural Mountains, Krasnoufimsk

**HEMISTREPTACRON** Yakovlev, 1926. \**H. abrachiatum* Yakovlev, 1926.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinoidea, F. Streblocriniade

Yakovlev, 1926a, p. 2. Yakovlev, 1926c, p. 52. Yakovlev, 1927b, p. 186. Yakovlev, 1928a, p. 313. Wanner, 1929, p. 39. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 504. Moore and Laudon, 1943b, p. 50. Yakovlev, 1947d, p. 45, Fig. 10. Branson, C. C., 1948, p. 195. Yakovlev, 1956a, p. 81, Figs. 30; 38, nos. 2-3. Yakovlev, 1958, p. 66, Figs. 30, 38, nos. 2-3. Yakovlev, 1964a, p. 76, Figs. 32; 40, nos. 2-3. Arendt and Hecker, 1964, p. 84. Lane, N. G., 1967b, p. 13, Figs. 3, 7 (Fig. 7 listed as Fig. 8). Arendt, 1970a, p. 170. Webster, 1973, p. 147.

Webster,

1977, p. 96. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 168. Webster, 1988, p. 93.

Named, currently recognized species based on cups or crowns: 3 Permian species, 1 subspecies, 2 Artinskian, 1 series uncertain, 1 subspecies series uncertain

Permian, late Artinskian. Russia

Permian, series uncertain. West Timor

\**Hemistreptacron abrachiatum* Yakovlev, 1926a, p. 2, Fig. 1. Yakovlev, 1926c, p. 52, Pl. 1, fig. 5; Figs. 2-3. Wanner, 1929, p. 77, Pl. 6, figs. 7-8. Bassler, 1938, p. 111. Yakovlev, 1939b, p. 60, Pl. 10, figs. 3, 4; Fig. 14. Bassler and Moodey, 1943, p. 504. Branson, C. C., 1948, p. 195. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 59,

Pl. 10, figs. 4-6; Fig. 16. Arendt and Hecker, 1964, p. 84, Pl. 9, figs. 13-15; Fig. 126. Arendt, 1964, p. 111, Figs. 1-2. Arendt, 1968a, p. 100, Figs. 1, no. b; 4; 8. Arendt, 1970a, p. 170, Pls. 11, figs. 1-18; 12, figs. 1-29; 13, figs. 1-6; 14, figs. 1-10; Figs. 50v-52. Arendt, 1971a, p. 171, Fig. 14. Webster, 1973, p. 147.

Webster,

1977, p. 96. Lane *in* Moore and Teichert, 1978, p. T263, Fig. 204, no. 3. Lane and Moore *in* Moore and Teichert, 1978, p. T603, Fig. 390, no. 1. Kelly, 1982, p. 287, Fig. 4, nos. 4-6. Webster, 1986, p. 168. Webster, 1988, p. 93.

Permian, late Artinskian. Russia, Ural Mountains, Krasnoufimsk

*Hemistreptacron carinatum* Wanner, 1929, p. 75, Pls. 5, figs. 11-12; 6, figs. 3-6; Figs. 13-14. Bassler and Moodey, 1943, p. 504. Branson, C. C., 1948, p. 196. Arendt, 1970a, p. 170, Fig. 49. Arendt, 1971a, p. 171, Fig. 15. Webster, 1977, p. 96.

Permian, series uncertain. West Timor, Basleo

*Hemistreptacron carinatum ornatum* Wanner, 1929, p. 78, Pl. 6, figs. 9-10. Marez Oyens, 1940, p. 327, Pl. 3, fig. 12; Fig. 8. Bassler and Moodey, 1943, p. 504. Branson, C. C., 1948, p. 196.

Permian, series uncertain. West Timor, Basleo, Noko

*Hemistreptacron tchatlykense* Arendt, 1970a, p. 177, Pl. 14, figs. 11-16; Fig. 53. Webster, 1977, p. 96.

Permian, late Artinskian. Russia, Priurals

*HENANOBASIS* Moore, 1939 = **PARAGASSIZOCRINUS**

*Henanobasis coffeyvillensis* Moore, 1939 = *Paragassizocrinus coffeyvillensis* = *P. tarri*

**HERACRINUS** Prokop, 1977. \**H. strimplei* Prokop, 1977.

Sbc. Disparida, O. Homocrinida, F. Ramacrinidae

Prokop, 1977, p. 46. Webster, 1986, p. 168. Clement, 1988, p. 113. Webster, 1993, p. 68.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian. Czech Republic

\**Heracrinus strimplei* Prokop, 1977, p. 46, Pls. 3, figs. 1-4; 4, figs. 1-3. Webster, 1986, p. 168. Prokop and Petr, 1990, p. 47, Pl. 6, figs. 1-3. Webster, 1993, p. 68.

Devonian, late Emsian, Suchomasty Limestone. Czech Republic, Bohemia

**HERCOCRINUS** Hudson, 1907. \**H. elegans* Hudson, 1907.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthracocrinidae

Hudson, 1907, p. 125. Grabau and Shimer, 1910, p. 549, Fig. 1878. Bassler, 1915, p. 609. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 504. Moore and Laudon, 1943b, p. 82. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 147. Frest, Strimple, and Kelly, 1976, p. 147, Fig. 2. Ubaghs *in* Moore and Teichert, 1978, p. T418. Webster, 1986, p. 168. Broadhead, 1987,

p. 183. Webster, 1993, p. 68. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 3 Ordovician, Sandbian species

Ordovician, Sandbian (Chazyan), United States, New York

*Hercocrinus beecheri* (Hudson, 1904). Hudson, 1907, p. 127. Bassler and Moodey, 1943, p. 504.

*Lyriocrinus? beecheri* Hudson, 1904, p. 277, Pl. 3, figs. 1-4; Figs. 4-5. Bassler and Moodey, 1943, p. 504.

Ordovician, Sandbian (Chazyan), Valcour Limestone. United States, New York

\**Hercocrinus elegans* Hudson, 1907, p. 125, Pl. 9, fig. 6. Grabau and Shimer, 1910, p. 549. Bassler, 1915, p. 609. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 504. Ubaghs *in* Moore and Teichert, 1978, p. T418, Fig. 299, no. 2. Webster, 1986, p. 168.

Ordovician, Sandbian (Chazyan), Valcour Limestone. United States, New York

*Hercocrinus ornatus* Hudson, 1907, p. 127, Pl. 10, fig. 7. Grabau and Shimer, 1910, p. 549. Bassler, 1915, p. 609. Bassler and Moodey, 1943, p. 504.

Ordovician, Sandbian (Chazyan), Valcour Limestone. United States, New York

**HERPETOCRINUS** Salter, 1873 = **MYELODACTYLUS**

*Herpetocrinus ammonis* (Bather, 1893) = *Myelodactylus ammonis*

*Herpetocrinus ammonis ammonis* (Bather, 1893) = *Myelodactylus ammonis*

*Herpetocrinus ammonis alternicirrus* Bather, 1893 = *Myelodactylus ammonis alternicirrus*

*Herpetocrinus ammonis* var. *alternicirrus* Bather, 1893 = *Myelodactylus ammonis alternicirrus*

*Herpetocrinus ammonis* var. *alternicirrus* (Bather, 1893) = *Myelodactylus ammonis alternicirrus*

*Herpetocrinus (Myelodactylus) ammonis* (Bather, 1893) = *Myelodactylus ammonis*

*Herpetocrinus (Myelodactylus) ammonis* var. *alternicirrus* (Bather, 1893) = *Myelodactylus ammonis alternicirrus*

*Herpetocrinus ammonis bijugicirrus* Bather, 1893 = *Myelodactylus ammonis*

*Herpetocrinus ammonis* var. *bijugicirrus* Bather, 1893 = *Herpetocrinus ammonis bijugicirrus* = *Myelodactylus ammonis bijugicirrus*

*Herpetocrinus (Myelodactylus) ammonis* var. *bijugicirrus* Bather, 1893 = *Herpetocrinus ammonis bijugicirrus* = *Myelodactylus ammonis bijugicirrus*

*Herpetocrinus brachiatus* (Hall, 1852) = *Crinobrachiatus brachiatus*

*Herpetocrinus (Myelodactylus) brachiatus* (Hall, 1852) = *Crinobrachiatus brachiatus*

*Herpetocrinus convolutus* Hall, 1852 = *Myelodactylus convolutus*

*Herpetocrinus (Myelodactylus) convolutus* Hall, 1852 = *Myelodactylus convolutus*

*Herpetocrinus (Myelodactylus) dicirrocricinus* Ehrenberg, 1930 = *Dicirrocricinus?*  
*dicirrocricinus*

*Herpetocrinus (Myelodactylus) extensus* (Springer, 1926) = *Myelodactylus extensus*  
*extensus*

*Herpetocrinus flabellicirrus* Bather, 1893 = *Herpetocrinus (Myelodactylus) flabellicirrus* =  
*Myelodactylus flabellicirrus*

*Herpetocrinus (Myelodactylus) flabellicirrus* Bather, 1893 = *Myelodactylus flabellicirrus*

*Herpetocrinus fletcheri* Salter, 1873 = *Herpetocrinus (Myelodactylus) fletcheri* =  
*Myelodactylus fletcheri*

*Herpetocrinus (Myelodactylus) fletcheri* Salter, 1873 = *Myelodactylus fletcheri*

*Herpetocrinus (Myelodactylus) nodosarius* (Hall, 1859) = *Myelodactylus nodosarius* =  
*Brachiocrinus nodosarius*

*Herpetocrinus parvispinifer* Brower, 1975 = *Myelodactylus parvispinifer*

*Herpetocrinus (Myelodactylus) schucherti* (Springer, 1926) = *Myelodactylus schucherti*

*Herpetocrinus scolopendra* Bather, 1893 = *Cyliocrinus scolopendra*

*Herpetocrinus* sp. Wolburg, 1938 (part) = *Myelodactylus ammonis*

*Herpetocrinus* sp. Wolburg, 1938 (part) = *Myelodactylus* sp.

**HETEROBRACHIOCRINUS** Yakovlev, 1938 = **TETRABRACHIOCRINUS**

*Heterobrachiocrinus fabianii* (Yakovlev, 1934) = *Tetrabrachiocrinus fabianii*

Heterocrinid Ramsbottom, 1961 = Dendrocrinidae genus and species uncertain

Heterocrinids? Donovan, 1986 (part) = \**Claviculacrinus scoticus*

Heterocrinids? Donovan, 1986 (part) = \**Eocicerocrinus sevastopuloi*

Heterocrinids? Donovan, 1986 = *Aithriocrinus strahani*

**HETEROCRINITES** Troost, 1850 = **ECTENOCRINUS**

*Heterocrinites simplex* (Hall, 1847) = *Ectenocrinus simplex*

**HETEROCRINUS** Hall, 1847. \**H. heterodactylus* Hall, 1847.

Sbc. Disparida, Spf. Heterocrinoidea, F. Heterocrinidae

Hall, 1847b, p. 278. d'Orbigny, 1849-51, p. 145. d'Orbigny, 1850, p. 24. Emmons, 1855, p. 223. Pictet, 1857, p. 329. Billings, E., 1857a, p. 271. Billings, E., 1859a, p. 48, Fig. 16. Dujardin and Hupé, 1862, p. 149. Shumard, 1868, p. 376. Bigsby, 1868, p. 20, 196. Hall, 1872b, p. 210. Meek, 1873a, p. 1. Zittel, 1880, p. 343, 358. Wachsmuth and Springer, 1886, p. 68 (293). Miller, S. A., 1889, p. 252. Bather, 1890b, p. 324. Bather, 1893, p. 25. Zittel, 1895, p. 134. Koken, 1896, p. 282. Bather *in* Lankester, 1900, p. 146. Wachsmuth *in* Zittel, 1900, p. 152. Jaekel, 1902, p. 1101, Fig. 28, no. A. Steinmann, 1903, p. 173. Delage and Herouard, 1903, p. 379. Steinmann, 1907, p. 194. Cumings, 1908, p. 713. Grabau and Shimer, 1910, p. 501. Springer, 1911b, p. 27. Springer *in* Zittel, 1913, p. 212. Bassler, 1915, p. 610. Jaekel, 1918, p. 86. Ulrich *in* Foerste, 1925, p. 83. Fritz, 1925, p. 10. Springer, 1926a, p. 89. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 505. Moore and Laudon, 1943b, p. 31, Figs. 1, 3. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 11. Ubaghs, 1953, p. 747, Fig. 140, no. M. Ramsbottom, 1961, p. 10, Fig. 1. Moore, 1962b, p. 8, Figs. 1, no. 6; 5, no. 3. Kesling and Sigler, 1969, p. 346, Table 1. Warn, 1973, p. 10. Webster, 1973, p. 147. Webster, 1977, p. 96. Ubaghs *in* Moore and Teichert, 1978, p. T62, Fig. 43, no. 3. Moore and Lane *in* Moore and Teichert, 1978, p. T549. Smith, A. B., 1985, p. 170. Webster, 1986, p. 169. Webster, 1988, p. 93.

**DECADACTYLOCRINITES** Owen 1843, p. 1. \**D. planus* Owen, 1843. (*Nomen nudum*). Owen *in* Shumard, 1866, p. 365. Wachsmuth and Springer, 1881, p. 230 (404). Miller, S. A., 1889, p. 237. Bassler, 1938, p. 84. Bassler and Moodey, 1943, p. 405 (*nomen nudum*). Moore and Teichert, 1978, p. T928.

**DECADACTYLOCRINUS** Wachsmuth and Springer, 1886. Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 84. Moore and Teichert, 1978 p. T928.

**Note:** Moore and Teichert, 1978 list the Wachsmuth and Springer 1886 citation as on p. 313. I can find no such citation thereon. GDW)

Named, currently recognized species based on cups or crowns: 6 Ordovician species, 1 Sandbian – Katian, 5 Katian

Ordovician, Sandbian – Katian (Mohawkian – Cincinnati). North America

**HETEROCRINUS** Hall, 1866 (non Hall, 1847) = **CINCINNATICRINUS**

*Heterocrinus?* Huxley and Etheridge, 1878 = *Cupulocrinus sepulchrum*

*Heterocrinus?* Strahan et al.; Ramsbottom, 1961 = *Aithrocrinus strahani*

*Heterocrinus articulatus* Billings, 1859 = *Castocrinus articulatus* = *Cremacrinus articulatus*

*Heterocrinus bellevillensis* Billings, 1883 = *Daedalocrinus bellevillensis*

*Heterocrinus canadensis* Billings, 1857 = *Ectenocrinus canadensis* = *E. simplex*



*Heterocrinus compactus* Meek, 1873 = *Ohiocrinus constrictus* = *Dystactocrinus constrictus*

*Heterocrinus constrictus* (Hall, 1867) = *Dystactocrinus constrictus*

*Heterocrinus constrictus* var. *compactus* Meek, 1873 = *Ohiocrinus constrictus* var. *compactus* = *Dystactocrinus compactus* = *D. constrictus*

*Heterocrinus constrictus* var. *contractus* Meek, 1873 = *Ohiocrinus compactus* = *Dystactocrinus compactus* = *D. constrictus*

*Heterocrinus crassus* Meek and Worthen, 1865 = *Iocrinus crassus*

*Heterocrinus decabrachius* Quenstedt, 1876, p. 592, Pl. 110, fig. 39. Bassler and Moodey, 1943, p. 505 (unrecognizable).  
Ordovician, Katian, "Hudson River Group". United States, Ohio

*Heterocrinus decadactylus* Emmons, 1855 = *Glyptocrinus decadactylus*

*Heterocrinus difficilis* Ulrich in Ruedemann, 1925 = *Cincinnatiocrinus varibrachialis*

*Heterocrinus exiguus* Meek, 1872. Meek, 1873a, p. 5, Pl. 1, fig. 12. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 611. Bassler and Moodey, 1943, p. 505.

*Heterocrinus exilis exiguus* Meek, 1872a, p. 308. Bassler, 1915, p. 611.

*Heterocrinus exilis* var. *exiguus* Meek, 1872. Wachsmuth and Springer, 1879, p. 293 (p. 70). Bassler, 1915, p. 611.

Ordovician, Sandbian – Katian (early Cincinnati), Eden Formation, McMicken Member. United States, Ohio, Kentucky

*Heterocrinus exilis* Hall, 1866, p. 6, Pl. 1, figs. 1-16. Hall, 1872a, p. 7, Pl. 5, fig. 16. Hall, 1872b, p. 213, Pl. 5, fig. 16. Bather, 1890c, p. 387, Pl. 15, fig. 5a. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 610. Bassler and Moodey, 1943, p. 505. Warn, 1973, p. 11. Warn and Strimple, 1977, p. 53, Pl. 1, figs. 7-8. Webster, 1977, p. 96. Webster, 1986, p. 169.

*Stenocrinus exilis* (Meek, 1872). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 610.

Ordovician, Katian (early Cincinnati), Eden Formation, McMicken Member. United States, Ohio

*Heterocrinus exilis exiguus* Meek, 1872 = *Heterocrinus exiguus*

*Heterocrinus exilis* var. *exiguus* Meek, 1872 = *Heterocrinus exiguus*

*Heterocrinus geniculatus* Ulrich, 1879 = *\*Drymocrinus geniculatus*

*Heterocrinus? gracilis* Hall, 1847b, p. 280, Pl. 76, figs. 3a-3b. d'Orbigny, 1850, p. 24. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. Ruedeman, 1912, p. 86, Pl. 3, fig. 5. Bassler, 1915, p. 611. Bassler and

Moodey, 1943, p. 505. Warn and Strimple, 1977, p. 38, Pl. 2, fig. 4. Webster, 1986, p. 169.  
Ordovician, Katian (late Champlainian), Snake Hill Shale. United States, New York

\**Heterocrinus heterodactylus* Hall, 1847b, p. 279, Pl. 76, figs. 1a-1c. d'Orbigny, 1850, p. 24. Emmons, 1858, Pl. 17, fig. 20. Shumard, 1868, p. 377. Bigsby, 1868, p. 20, 196. Meek, 1873a, p. 12, Pl. 1, figs. 1a-1b. Quenstedt, 1885, p. 945, Pl. 75, figs. 17-18. Miller, S. A., 1889, p. 252. Cumings, 1908, p. 724, Pl. 3, figs. 5-5a. Bassler, 1915, p. 611. Bassler, 1919, p. 210, Pl. 53, figs. 6-7. Ulrich *in* Foerste, 1925, p. 83, Fig. 3, no. A. Ruedemann, 1925, Figs. 54-55. Ockerman, 1926, p. 114, Pl. 1, fig. 8. Bassler, 1938, p. 112, 174. Bassler and Moodey, 1943, p. 505. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 11. Ubaghs, 1953, p. 747, Fig. 18, no. c. Yakovlev, 1964b, p. 66, Fig. 92, no. b. Webster, 1973, p. 147. Warn and Strimple, 1977, p. 40, Pl. 1, figs. 1-6. Moore and Lane *in* Moore and Teichert, 1978, p. T549, Fig. 342, no. 2. Smith, A. B., 1985, p. 170, Pl. 7.4.18. Webster, 1986, p. 169. Webster, 1988, p. 93.

Ordovician, Katian (Cincinnatian), Eden Formation; Lorraine Shale; Economy Formation, Southgate Member; Cynthiana Formation. United States, New York, Ohio, Kentucky

*Heterocrinus heterodactylus* Hall, 1847 = \**Cincinnaticrinus varibrachialis*

*Heterocrinus heterodactylus* var. *propinquus* Meek, 1873 = *Heterocrinus propinquus*

*Heterocrinus (Homocrinus) constrictus* Hall, 1861 = \**Dystactocrinus constrictus*

*Heterocrinus inaequalis* Billings, 1859 = *Cremaocrinus inaequalis*

*Heterocrinus? incurvus* Meek and Worthen, 1865 = *Hybocrinus? (Anomalocrinus) incurvus* = *Anomalocrinus incurvus*

*Heterocrinus? (Anomalocrinus) incurvus* Meek and Worthen, 1865 = \**Anomalocrinus incurvus*

*Heterocrinus (Iocrinus) oehanus* Ulrich, 1882 = *Ohiocrinus laxus*

*Heterocrinus? (Iocrinus) polyxo* Hall, 1866 = *Iocrinus subcrassus*

*Heterocrinus isodactylus* Miller, 1875 = *Dystactocrinus compactus*

*Heterocrinus juvenis* Hall, 1866 = *Cincinnaticrinus pentagonus*

*Heterocrinus juvenis* Fritz, 1925 = *Isotomocrinus tenuis*

*Heterocrinus juvenis* Meek, 1873 (part) = *Atyphocrinus corryvillensis* = *Dystactocrinus compactus*

*Heterocrinus juvenis* Meek, 1873 (part) = *Cincinnaticrinus pentagonus*

*Heterocrinus laxus* Hall, 1872 = *Ohiocrinus laxus*

*Heterocrinus milleri* Wetherby, 1880 = *Peniculocrinus milleri*

*Heterocrinus? milleri* Wetherby, 1880 = *Eustenocrinus milleri* = *Peniculocrinus milleri*

*Heterocrinus oehanus* (Ulrich, 1882) = *Ohiocrinus laxus*

*Heterocrinus (Iocrinus) oehanus* (Ulrich, 1882) = *Ohiocrinus laxus*

*Heterocrinus pachydactylus* Sandberger and Sandberger, 1855 = *Botyrocrinus pachydactylus* = *Nassoviocrinus pachydactylus*

?*Heterocrinus pachydactylus* Sandberger and Sandberger, 1850-1856 =  
\**Nassoviocrinus pachydactylus*

*Heterocrinus pentagonus* Ulrich, 1882 = *Cincinnatiocrinus pentagonus*

*Heterocrinus polyxo* Hall, 1866 = *Iocrinus subcrassus*

*Heterocrinus propinquus* Meek, 1873. Bassler and Moodey, 1943, p. 505. Moore, 1962b, p. 14, Pl. 1, fig. 4. Webster, 1973, p. 148.

*Heterocrinus propinquus* or *H. heterodactylus* var. *propinquus* Meek, 1873a, p. 14, Pl. 1, figs. 2a-2b. Bassler and Moodey, 1943, p. 506.

*Heterocrinus heterodactylus* var. *propinquus* Meek, 1873. Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 611.

Ordovician, Katian (early Cincinnati), Eden Formation, McMicken Member. United States, Ohio

*Heterocrinus propinquus* or *H. heterodactylus* var. *propinquus* Meek, 1873 =  
*Heterocrinus propinquus*

*Heterocrinus simplex* Hall, 1847 = *Ectenocrinus simplex*

*Heterocrinus simplex* var. *grandis* Meek, 1873 = *Ectenocrinus grandis* = *E. simplex*

*Heterocrinus subcrassus* Meek and Worthen, 1865 = *Iocrinus subcrassus*

*Heterocrinus (Iocrinus) subcrassus* Meek and Worthen, 1865 = *Iocrinus subcrassus*

*Heterocrinus tenuis* Billings, 1857 = *Isotomocrinus tenuis*

*Heterocrinus tenuis* Billings, 1857. Warn, 1973 = *Cincinnatiocrinus varibrachiatus*

*Heterocrinus* cf. *tenuis* Billings, 1857. Warn, 1973, p. 12, Pl. 1, figs. 2-19; Figs. 1-2. Webster, 1977, p. 96.

Ordovician, Katian (early Cincinnati), Kope Formation. United States, Ohio

*Heterocrinus vaupeli* Wetherby, 1881 = *Dystactocrinus constrictus*

*Heterocrinus* sp.? Thomas and Ladd, 1926 = *Quintuplexocrinus oswegoensis*

*Heterocrinus* sp. Parsley, 1981, p. 4, Pl. 1, fig. 5. Webster, 1988, p. 93.

Ordovician, Katian, Lexington Limestone, Grier Limestone Member. United States, Kentucky

*Heterocrinus?* Strahan *et al.*, 1909 = Undetermined Heterocrinid 2 = *Aithriocrinus strahani*

Heterotomous branching Westhead, 1978, Fig. 4, no. b. (Diagramatic)

**HEVIACRINUS** Gil Cid, Alonso, and Pobes, 1996. \**H. melendezi* Gil Cid, Alonso, and Pobes, 1996.

C. Disparida, Sbc. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae

Gil Cid, Alonso, and Pobes, 1996, p. 20. Ausich, Gil Cid, and Alonso, 2002, p. 989.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian (Llandeillian). Spain

\**Heviacrinus melendezi* Gil Cid, Alonso, and Pobes, 1996, p. 20, Figs. 1-3, 5. Ausich, Gil Cid, and Alonso, 2002, p. 989, Figs. 5.4-5.5, 5.8-5.11, 8.3, 8.8. Ausich, Sá, and Gutiérrez-Marco, 2007, p. 1382, Figs. 5.5, 5.8, 5.9, 6.4, 6.5.

Ordovician, Darriwilian (early to late early Llandeillian), Pizarras de Navas de Estena Formation, Pizarras Guindo Formation. Spain

**HEXAACROCRINUS** Arendt, 1995. \**H. drozkovae* Arendt, 1995.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Arendt, 1995a, p. 72. Arendt, 1995b, p. 87.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Moscovian species

Pennsylvanian, Moscovian. Russia

\**Hexaacrocrinus drozdovae* Arendt, 1995a, p. 73, Pl. 6, figs. 5a-6b; Fig. 6. Arendt, 1995b, p. 89, Pl. 6, figs. 5a-6b; Fig. 6.

Pennsylvanian, Moscovian, Myachkovo Horizon, Novlen Beds. Russia, Moscow Basin

Hexacrinitidae Gen. nov. et spec. nov. ind. Wanner, 1937, p. 89, Pl. 8, figs. 12-14 (cup). Permian: West Timor, Basleo

Hexacrinitidae new genus and species, indeterminate Lane, *et al.*, 1996, p. 121, Figs. 4.20, 5.6.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region

- HEXACRINITES** Austin and Austin, 1843. \**Platycrinites interscapularis* Phillips, 1841. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae
- Austin and Austin, 1844, p. 48. Sandberger and Sandberger, 1856, p. 396. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 183. Zittel, 1879, p. 365. Wachsmuth and Springer, 1886, p. 78 (252). Wachsmuth and Springer, 1897, p. 744. Bather *in* Lankester, 1900, p. 158. Schmidt, W. E., 1934, p. 47. Bassler, 1938, p. 112. Bassler and Moodey, 1943, p. 506. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 197. Branson, C. C., 1948, p. 196. Ubaghs, 1953, p. 740, Fig. 139, no. f. Strimple, 1963d, p. 89, Fig. 27 (part). Xu, 1963, p. 108, Fig. 1, no. a. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 148. Webster, 1977, p. 96. Ubaghs *in* Moore and Teichert, 1978, p. T127, T473, Fig. 98, no. 4. Smith, A. B., 1985, p. 166. Webster, 1986, p. 170. Jell *et al.*, 1988, p. 368. Webster, 1988, p. 93. Webster, 1993, p. 68. Lane, Waters, and Maples, 1997, p. 16. Hauser, 1997, p. 139, Fig. 43. Hauser, 1999, p. 72, Fig. 26. Jell, 1999a, p. 26. 2001, p. 29, Fig. 20. Hausere, 2002, p. 48, Fig. 37. Waters *et al.*, 2003, p. 935. Hauser, 2003, p. 19, Fig. 19. Hauser, 2004d, p. 24, Fig. 18.
- Bohatý,  
2006b, p. 473. Bohatý, 2006d, p. 248. Bohatý, 2006e, p. 263. Bohatý and Herbig,  
2007, p. 733. Hauser *in* Hauser and Landeta, 2007, p. 30, fig. 3. Webster, Maples, and Yazdi, 2007, p. 1108. Hauser, 2007, p. 5, Fig. 1; p. 13, Fig. 3; pl. 17,  
Fig. 2. Hauser, 2008, fig. 66. Bohatý, 2008, p. 9. Bohatý, 2010, p. 28.
- HEXACRINUS** Austin and Austin, 1843. Sandberger and Sandberger, 1850-1856, p. 396. Pictet, 1857, p. 332. Müller, J., 1857, p. 246. Eichwald, 1860, p. 603. Dujardin and Hupé, 1862, p. 155. Zittel, 1880, p. 344, 365. Quenstedt, 1885, p. 952. Steinmann and Döderlein, 1890, p. 155, 159, Fig. 160, no. D. Zittel, 1895, p. 127. Whidborne, 1895, p. 189. Koken, 1896, p. 282. Miller, S. A., 1897, p. 747.  
Wachsmuth *in* Zittel, 1900, p. 140. Steinmann, 1903, p. 175, Fig. 241, no. D. Steinmann, 1907, p. 196, Fig. 276, no. D. Bassler, 1938, p. 112. Maillieux, 1940, p. 13. Wanner, 1942b, p. 209, Fig. 5, no. c. Cuénot, 1948, p. 69. Webster, 1973, p. 148. Ubaghs *in* Moore and Teichert, 1978, p. T473.
- TRIPLARICRINITES** Goldfuss *in* Schultze, 1866, p. 67 (adv. pub.). Schultze, 1867, p. 199. \**T. exculptus* = *Hexacrinus pateraeformis* Schultze, 1866, p. 67. Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 506. Ubaghs *in* Moore and Teichert, 1978, p. T473.
- TRIPLARICRINUS** Zittel, 1879, p. 365. Bather *in* Lankester, 1900, p. 204. Bassler, 1938, p. 188. Bassler and Moodey, 1943, p. 506. Ubaghs *in* Moore and Teichert, 1978, p. T473.
- Named, currently recognized species based on cups or crowns: 24 Devonian species, 1 Devonian series undesignated, 2 Early Devonian, series undesignated, 1 Pragian – Emsian, 2 Emsian, 3 Eifelian, 3 Eifelian – Givetian, 4 Givetian, 2 Middle Devonian series undesignated, 4 Frasnian, 2 Famennian Devonian, Emsian - Frasnian. Cosmopolitan  
Early Devonian. Russia, Czech Republic, Germany, Australia

Devonian, Famennian. China, Xinjiang-Uygur Autonomous Region

*Hexacrinites aberrans* (Whidborne, 1889) = ?*Megaradialocrinus aberrans*

*Hexacrinites adaensis* Strimple, 1952 = *Megaradialocrinus adaensis*

*Hexacrinites anaglypticus* (Goldfuss, 1839) = *Megaradialocrinus anaglypticus*

*Hexacrinites anaglypticus frondosus* (Schultze, 1866) = *Hexacrinites crispus* =  
*Megaradialocrinus crispus*

*Hexacrinites anaglypticus* aff. *frondosa* Miesen, 1971 = *Megaradialocrinus crispus*

*Hexacrinites anaglypticus* aff. *frondosa* (Schultze); Hauser, 2004 = *Hexacrinites* cf.  
*frondosa* = *Megaradialocrinus crispus*

*Hexacrinites anaglypticus* aff. *granulosa* Hauser, 1997 = *Megaradialocrinus crispus*

*Hexacrinites anaglypticus* var. *granulose* (Schultze; Bohatý, 2010 = *Megaradialocrinus*  
*anaglypticus*

*Hexacrinites anaglypticus stellaris* Hauser, 1997 = *Megaradialocrinus crispus*

*Hexacrinites anaglypticus stellaris* (Schultze); Hauser, 2001 = *Hexacrinites*  
*ludwigschultzi*

*Hexacrinites anaglypticus* aff. *stellaris* (Schultze, 1866). Hauser, 1997, p. 139, Pl. 42,  
fig. 6.

Devonian, Givetian, Lough Formation. Germany

*Hexacrinites anaglypticus* var. *stellaris* (Schultze, 1866) = *Hexacrinites anaglypticus*  
*stellaris*

*Hexacrinites* sp. n. aff. *H. anaglypticus* (Goldfuss, 1839). Prokop, 2003, Pl. 6, fig. 1.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic

*Hexacrinites angulosus* (von Koenen, 1886) = *Megaradialocrinus angulosus*

*Hexacrinites antares* Prokop, 1982b, p. 280, Pl. 4, figs. 1-17. Webster, 1988, p. 94.  
Prokop and Petr, 1990, p. 13 (radial, calyx plates). Webster, 1993, p. 68. Bohatý,  
2010, p. 28.

Restes indéterminés Waagen and Jahn, 1899, Pl. 73, fig. 5, no. 5 (only). Prokop  
and Petr, 1990, p. 55. Webster, 1993, p. 68.

Devonian, early Emsian, Zlichov Limestone; Koneprusy Limestone. Czech  
Republic, Bohemia

*Hexacrinites ardennicus* Hauser, 1999 = *Megaradialocrinus tuberculatus*

*Hexacrinites ariel* Prokop, 1982b, p. 279, Pl. 3, figs. 13-24. Webster, 1988, p. 94.  
Prokop and Petr, 1990, p. 13 (calyx plates). Webster, 1993, p. 68. Devonian,  
early Emsian, Zlichov Limestone. Czech Republic, Bohemia

?*Hexacrinites ariel* Prokop, 1982. Bohatý, 2010, p. 28.  
Devonian, early Emsian, Zlichov Limestone. Czech Republic, Bohemia

*Hexacrinites bacca* (Schultze, 1866). Hauser, 2001 = ?*Hexacrinites bacca*

?*Hexacrinites bacca* (Schultze, 1866). Bohatý, 2010, p. 28, 29.  
*Hexacrinites bacca* (Schultze, 1866). Bassler and Moodey, 1943, p. 507. Hauser,  
1997, p. 141. Hauser, 2001, p. 19,29, Pl. 4, Figs. 1-1b. Bohatý, 2010, p. 28.  
*Hexacrinites eifelensis* Hauser, 2004d, p. 24, Pl. 2, fig. 12; Fig. 19, nos. a-b. Hauser,  
2008, p. 30, Pl. 13, fig. 8; Fig. 68. Bohatý, 2010, p. 28.  
*Hexacrinus bacca* Schultze, 1866, p. 83 (adv. pub.). Schultze, 1867, p. 195, Pl. 10,  
fig. 5. Bassler and Moodey, 1943, p. 507.  
Devonian, Eifelian-Givetian, Freilingen Formation, ?Bohnert Member. Loogh  
Formation Germany

*Hexacrinites breimeri* Hauser 2006 = *Megaradialocrinus elongatus*

*Hexacrinites brevis* (Goldfuss, 1839) = *Megaradialocrinus brevis*

?*Hexacrinites brevis* (Goldfuss, 1839); Bohatý, 2008 = *Megaradialocrinus brevis*

*Hexacrinites aff. brevis* (Goldfuss, 1838). Hauser, 1997, Pl. 43, figs. 4-7; 44, fig. 1.  
Devonian, Givetian, Loogh Formation. Germany

*Hexacrinites brownlawi* Jell and Jell, 1999, p. 206, Figs. 5, nos. A-M; 6, nos. A-D.  
?*Hexacrinites brownlawi* Jell and Jell, 1999. Bohatý, 2010, p. 28.  
Devonian, late Frasnian, Virgin Hills Formation. Australia, Western Australia

?*Hexacrinites brownlawi* Jell and Jell, 1999 = *Hexacrinites brownlawi*

*Hexacrinites buchii* (Roemer, 1843) = ?*Megaradialocrinus buchii*

*Hexacrinites callosus* (Schultze, 1866) = *Megaradialocrinus callosus*

*Hexacrinites aff. callosus* (Schultze); Hauser, 1997 = *Megaradialocrinus callosus*

*Hexacrinites cf. callosus* (Schultze), Hauser, 1997 = *Hexacrinites websteri*

*Hexacrinites cf. callosus* (Schultze, 1866). Hauser, 2001, p. 19, Pl. 9, fig. 5.  
Devonian, Eifelian. Germany

- Hexacrinites* sp. aff. *Hexacrinites callosus* (Schultze); Hauser, 1997 =  
*Megaradialocrinus winteri*
- Hexacrinites campaniformis* Bohatý, 2008 = *Megaradialocrinus campaniformis*
- Hexacrinites carboniferus* (Yakovlev and Ivanov, 1956) = \**Ivanovaecrinus carboniferus*
- Hexacrinites carinatus* Strimple, 1963 = *Oehlertecrinus carinatus*
- Hexacrinites chenaе* Webster and Becker, 2009 = ?*Megaradialocrinus chenaе*
- Hexacrinites chirnisdensis* Jell, 1999 = ?*Megaradialocrinus chirnisdensis*
- Hexacrinites clarkei* Hauser, 2009 = *Megaradialocrinus piriculaformis*
- Hexacrinites compactus* Hauser, 1999 = *Megaradialocrinus minor*
- Hexacrinites confragosus* Dubatolova, 1964 = *Megaradialocrinus confragosus*
- Hexacrinites costatus* (Müller, 1858) = *Megaradialocrinus*  
*Hexacrinites costatus* (Müller, 1859). Bassler and Moodey, 1943, p. 507.
- Hexacrinites crispus* (Quenstedt, 1861) = *Megaradialocrinus crispus*
- Hexacrinites crispus* Dubatolova, 1964 (*non* Quenstedt, 1861), p. 34, Pl. 4, figs. 3-4.  
Webster, 1973, p. 148.  
Early Devonian, Emsian?. Russia, Kutznetz Basin
- Hexacrinites depressus* (Austin and Austin, 1845). Bassler and Moodey, 1943, p. 508.  
*Hexacrinus depressus* Austin and Austin, 1845, p. 49, Pl. 6, figs. 2a-2e. Bassler  
and Moodey, 1943, p. 508.  
Middle Devonian, . United Kingdom
- Hexacrinites depressus* (Austin and Austin); Hauser, 2001 = *Hexacrinites*  
*interscapularis*
- Hexacrinites donarius* Hauser, 1999 = *Megaradialocrinus gibbosus*
- Hexacrinites echinatus* (Sandberger and Sandberger, 1855) = *Megaradialocrinus*  
*echinatus*
- Hexacrinites eifelensis* Hauser, 2004 = *Hexacrinites bacca*
- Hexacrinites elongatus* (Goldfuss, 1839) = *Megaradialocrinus exsculptus*
- Hexacrinites* aff. *elongatus* (Goldfuss, 1839). *Nomen correctum*  
*Hexacrinus* aff. *elongatus* (Goldfuss, 1839). Reed, 1908, p. 40, Pl. 5, fig. 14.



Devonian. India, Northern Shan States

*Hexacrinites* cf. *elongatus* (Goldfuss); Hauser, 1997 = *Megaradialocrinus exsculptus*

*Hexacrinites exsculptus* (Goldfuss, 1839) = *Megaradialocrinus exsculptus*

*Hexacrinites exsculptus* (Goldfuss); Miesen, 1971 = *Megaradialocrinus aliculatus*

*Hexacrinites exsculptus* (Goldfuss); Hauser, 1997 = *Megaradialocrinus* aff. *aliculatus*

*Hexacrinites exsculptus* (Goldfuss); Hauser, 1997 = *Megaradialocrinus ornatus*

*Hexacrinites* sp. aff. *Hexacrinites exsculptus* (Goldfuss, 1838). Hauser, 1997, Pl. 48, fig. 1.

Devonian, Givetian, Lough Formation. Germany

*Hexacrinites faniensis* (Maillieux); Hauser, 1999 = ?*Megaradialocrinus faniensis*

*Hexacrinites frechi* (Charlesworth, 1914) = *Megaradialocrinus frechi*

*Hexacrinites frondosus* Hauser, 2004d = *Hexacrinites crispus* = *Megaradialocrinus crispus*

*Hexacrinites* cf. *frondosus* Schultze, 1866. Hauser, 2004d, p. 26, Fig. 21.

*Hexacrinites anaglypticus* aff. *frondosa* (Schultze, 1866). Hauser, 2004d, p. 26.  
Devonian, Eifelian. Germany

*Hexacrinites gerolsteiniensis* Hauser, 1997 = \**Subhexacrinites gerolsteiniensis* =  
*Megaradialocrinus brevis*

*Hexacrinites gibbosus* (Bergougnieux, 1939) = *Megaradialocrinus gibbosus*

*Hexacrinites* cf. *gibbosus* (Bergougnieux, 1939). Hauser, 1999, p. 77, Pl. 20, fig. 8.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Hexacrinites* sp. indet. *gibbosus*? Formengruppe (Bergougnieux, 1939). Hauser, 1999,  
p. 77, Pl. 20, fig. 5.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Hexacrinites gosseleti* Hauser, 1999 = *Megaradialocrinus minor*

*Hexacrinites* aff. *gosseleti* Hauser, 1999, p. 79, Pl. 21, fig. 3.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Hexacrinites granifer* (Roemer, 1852). Bassler and Moodey, 1943, p. 508. Hauser,  
2001, p. 32. Bohatý, 2010, p. 28.

*Platycrinus granifer* Roemer, C. F., 1852, p. 281, Pl. 2, figs. 1a-1c. Bassler and Moodey, 1943, p. 508.  
Devonian, Givetian, Lenne Beds. Germany

?*Hexacrinites granuliferus* (C. F. Roemer, 1844) = ?*Megaradialocrinus granuliferus*

?*Hexacrinites heidelbergeri* Bohatý, 2008 = *Megaradialocrinus heidelbergeri*

*Hexacrinites hieroglyphicus* (Goldfuss, 1839) = *Megaradialocrinus hieroglyphicus*

*Hexacrinites hieroglyphicus* (Goldfuss); Hauser, 2004 = *Megaradialocrinus marginatus*

*Hexacrinites hieroglyphicus* Quenstedt, 1876 = *Hexacrinites pateraeformis*

*Hexacrinites hosticus* Hauser, 2008, p. 32, Pl. 1, fig. 6; Figs. 72-73. Bohatý, 2010, p. 28, nomen nudum, in private collection, not available for research purposes.

*Hexacrinites humei* (Springer, 1926) = ?*Megaradialocrinus humei*

*Hexacrinites infundibulum* (von Koenen, 1886) = ?*Megaradialocrinus infundibulum*

*Hexacrinites inhospitalis* (Schmidt, 1934) = ?*Megaradialocrinus inhospitalis*

*Hexacrinites insularis* (Eichwald, 1860) = *Hexacrinites? insularis*

*Hexacrinites? insularis* (Eichwald, 1860). Broadhead, 1981, p. 144. Webster, 1988, p. 94.

*Platycrinus insularis* Eichwald, 1856, p. 117. Eichwald, 1860, p. 602, Pl. 31, figs. 58a-58c. Bigsby, 1868, p. 22. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 144. Webster, 1988, p. 94.

*Dichocrinus insularis* (Eichwald, 1860). Wachsmuth and Springer, 1886, p. 314 (index). Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 144. Webster, 1988, p. 94. **Note:** Species not mentioned in text, GDW 2011.

*Hexacrinites insularis* Eichwald, 1860, p. 602, Pl. 31, figs. 58a-58c. Strimple and Watkins, 1969, p. 221. Broadhead, 1981, p. 144. Webster, 1988, p. 94. Devonian, series not given. Island of Oesel

\**Hexacrinites interscapularis* (Phillips, 1841). Austin and Austin, 1843, p. 19. Bassler and Moodey, 1943, p. 508. White, E., 1964, p. 116, Pl. 32, fig. 8. Webster, 1977, p. 96. Ubaghs in Moore and Teichert, 1978, p. T475, Fig. 279, nos. 1a-1c. Webster, 1986, p. 170. Jell *et al.*, 1988, p. 369, Figs. 11-12, nos. G-M. Webster, 1993, p. 68. Hauser, 1997, p. 148, Pl. 49, figs. 6-7. Hauser, 2001, p. 20, 32, Pl. 7, figs. 2-2a; 9, Figs. 7-7a; Figs. 23-24 (not Pl. 7, figs. 1, 1a; Pl. 9, fig. 6 as given p. 20, 32). Hauser, 2008, p. 31, Pls. 1, fig. 2; 2, fig. 7; 6, fig. 8; 8, figs. 2, 7; 15, fig. 16; 16, fig. 7; 17, figs. 7-8; Fig. 69. Bohatý, 2008, p. 15, Fig. 4, nos. a-d, f-i.

- Bohatý, 2010, p. 28.
- Platycrinus interscapularis* Phillips, 1841, p. 28, Pl. 14, fig. 39. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 103. Dujardin and Hupé, 1862, p. 155. Bassler and Moodey, 1943, p. 508. Hauser, 2008, p. 30, Figs. 64-65.
- Platycrinites interscapularis* (Phillips, 1841). Bassler, 1938, p. 112.
- Hexacrinus interscapularis* (Phillips, 1841). Schultze, 1866, p. 79 (adv. pub.). Schultze, 1867, p. 191, Pl. 8, fig. 5. Baily, 1875, Pl. 30, Figs. 1a-1b. Whidborne, 1895, p. 190, Pls. 221, figs. 1-4; 22, difa. 1-2a. Torley, 1908, p. 9. Bassler and Moodey, 1943, p. 509.
- ?*Hexacrinus interscapularis* (Phillips), 1841. Holzapfel, 1895, p. 302, Pl. 12, fig. 26. Péneau, 1932, p. 15 (partial calyx).
- Hexacrinus melo* Austin and Austin, 1844, p. 48, Pl. 6, figs. 1a-1e. Bassler and Moodey, 1943, p. 509.
- Hexacrinites depressus* Austin and Austin, 1842. Hauser, 2001, p. 32. Bohatý, 2010, p. 28.  
Middle Devonian: United Kingdom; France  
Devonian, late Eifelian - Givetian, Papilio Formation. Australia, Queensland  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member; Ahbach Formation.  
Germany
- Hexacrinites cf. interscapularis* (Phillips, 1841). Hauser, 1997, Pl. 49, figs. 2-5.  
Devonian, Eifelian, ?Ahbach Formation. Germany
- Hexacrinites cf. interscapularis* (Phillips, 1841). Bohatý, 2008, Fig. 4, no. e.  
Middle Devonian. Germany
- Hexacrinites invitabilis* Dubatolova, 1964 = *Megaradialocrinus invitabilis*
- Hexacrinites iowensis* (Thomas, 1924) = *Megaradialocrinus iowensis*
- Hexacrinites johannesmuelleri* Hauser, 2004 = *Hexacrinites websteri*
- Hexacrinites koeneni* Hauser, 1999 = *Megaradialocrinus ventricosus*
- Hexacrinites (?Platyhexacrinus) leai* (Lyon, 1869) = ?*Megaradialocrinus leai*
- Hexacrinites limbatus* (Mueller, 1856) = *Megaradialocrinus limbatus*
- Hexacrinites cf. limbatus* (Mueller); Hauser, 2001 = *Megaradialocrinus limbatus*
- Hexacrinites lobatus* (Müller, 1857) = *Megaradialocrinus lobatus*
- Hexacrinites cf. lobatus* (Müller); Hauser, 1997 = *Megaradialocrinus lobatus*
- Hexacrinites sp. aff. Hexacrinites lobatus* (Müller, 1856). Hauser, 1997, Pl. 44, fig. 3.  
Devonian, Givetian, Lough Formation. Germany

*Hexacrinites ludwigschultzei* Hauser, 2004 = *Megaradialocrinus crispus*

*Hexacrinites macrotatus* (Austin and Austin, 1845). Bassler and Moodey, 1943, p. 509.

*Hexacrinus macrotatus* Austin and Austin, 1845, p. 50, Pl. 6, figs. 3a-3d. Dujardin and Hupé, 1862, p. 155. Whidborne, 1895, p. 192, Pl. 22, fig. 8; 35, figs. 1-1a. Bassler and Moodey, 1943, p. 509.  
Middle Devonian. United Kingdom

*Hexacrinites magnificus* Quenstedt, 1866 = *Hexacrinites pateraeformis*

*Hexacrinites magnificus* Hauser, 2007 = *Megaradialocrinus globohirsutus*

*Hexacrinites marginata* (Schultze, 1866) = *Hexacrinites marginatus* =  
*Megaradialocrinus marginatus*

*Hexacrinites marginata* Hauser, 1997 = *Megaradialocrinus hieroglyphicus*

*Hexacrinites marginatus* Hauser, 2001 = *Megaradialocrinus marginatus*

*Hexacrinites marginatus* (Schultze); Hauser 2004 = *Megaradialocrinus marginatus*

*Hexacrinites* aff. *marginata* Hauser, 1997 = *Megaradialocrinus marginatus*

*Hexacrinites microglyphicus* (Whidborne, 1889) = *Megaradialocrinus granuliferus*

*Hexacrinites minor* (Dewalque, 1884) = *Megaradialocrinus minor*

*Hexacrinites mississippiensis* Lane and Sevastopulo, 1986, p. 742, Figs. 2, nos. 2, 8; 5. Webster, 1993, p. 68. (A *Dichocrinus* GDW, 2011)  
Mississippian, Tournaisian (Kinderhookian), McCraney Limestone. United States, Illinois

*Hexacrinites mui* Xu, 1963 = *Megaradialocrinus mui*

*Hexacrinites neuvilleanus* Hauser, 2003 = ?*Megaradialocrinus neuvilleanus*

*Hexacrinites nitidus* Hauser, 2002 = ?*Megaradialocrinus nitidus*

*Hexacrinites nodifer* (Schultze, 1866) = *Megaradialocrinus nodifer*

*Hexacrinites occidentalis* (Wachsmuth and Springer, 1897 = *Megaradialocrinus occidentalis*

*Hexacrinites ornatus* (Goldfuss); Hauser, 2001 = *Megaradialocrinus ornatus*

*Hexacrinites* sp. (*ornatus*) Miesen, 1971 = *Megaradialocrinus* cf. *exsculptus*

*Hexacrinites ornatus marginatus* (Schultze, 1866) = *Hexacrinites marginatus* =  
*Megaradialocrinus marginatus*

*Hexacrinites pateraeformis* (Schultze, 1866). Bassler and Moodey, 1943, p. 510.  
Yakovlev, 1964b, p. 60, Fig. 72. Webster, 1973, p. 148. Hauser, 2001, p. 12, Fig. 8. Bohatý, 2010, p. 28, 29, Figs. 2d. 3a-3b.  
*Hexacrinus pateraeformis* Schultze, 1866, p. 87 (adv. pub.). Schultze, 1867, p. 199, Pl. 10, fig. 4. (**Note:** Two species in the Schultze figures. GDW 2011). Bather *in* Lankester, 1900, p. 159, Fig. 72. Yakovlev, 1930e, p. 907, Pl. 1, figs. 1a-1b.  
Bassler and Moodey, 1943, p. 510  
*Hexacrinites pateriformis* (Schultze, 1866). Hauser, 1997, p. 156, Pls. 54, figs. 3-5; 55, figs. 1-3.  
*Hexacrinites hieroglyphicus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 508. Bohatý, 2010, p. 30.  
*Hexacrinus hieroglyphicus* Quenstedt, 1876, p. 565, Pl. 109, Fig. 68. Bassler and Moodey, 1943, p. 508.  
*Hexacrinites magnificus* (Quenstedt, 1867). Bassler and Moodey, 1943, p. 509. Bohatý, 2010, p. 30.  
*Hexacrinus magnificus* Quenstedt, 1867, p. 740, Fig. 153. Quenstedt, 1876, p. 565, Pl. 109, fig. 67. Quenstedt, 1885, p. 953, Fig. 358. Bassler and Moodey, 1943, p. 509.  
*Triplacrinites exsculptus* Goldfuss, mentioned by Schultze, 1866, p. 87. Bohatý, 2010, p. 29.  
Devonian, Givetian, Lough Formation, Hustley Member, ?Rech Member. Germany

*Hexacrinites pateriformis* (Schultze, 1866) = *Hexacrinites pateraeformis*

*Hexacrinites pentangularis* (Austin and Austin, 1845) = ?*Megaradialocrinus pentangularis*

*Hexacrinites perarmatus* (Whidborne, 1889) = ?*Megaradialocrinus perarmatus*

*Hexacrinites persiaensis* Webster, Maples, and Yazdi, 2007 = ?*Megaradialocrinus persiaensis*

*Hexacrinites pinnulata* Waters et al., 2003, p. 935, Figs. 9, no. 3; 12, no. 5.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

*Hexacrinites piriformis* (Schultze, 1866) = ?*Megaradialocrinus piriformis*

*Hexacrinites* aff. *piriformis* (Schultze, 1866).  
*Hexacrinus* aff. *pyriformis* Schultze, 1866. Reed, 1908, p. 40, Pl. 5, fig. 13.  
Devonian. India, Northern Shan States

*Hexacrinites planus* Hauser, 2007 = *Megaradialocrinus elongatus*

- Hexacrinites prescheri* Hauser, 2001 = *Arthroacantha prescheri*
- Hexacrinites prokopi* Bohatý, 2006 = *Megaradialocrinus prokopi*
- Hexacrinites pyriformis* (Schultze, 1866 = *Hexacrinites piriformis* = ?*Megaradialocrinus pyriformis*)
- Hexacrinites rigel* Prokop, 1982 = *Megaradialocrinus rigel*
- Hexacrinites rosthorni* (Charlesworth in Frech, 1914) = ?*Hexacrinites rosthorni*
- ?*Hexacrinites rosthorni* Charlesworth in Frech, 1914. Bohatý, 2010, p. 28  
*Hexacrinus rosthorni* Charlesworth in Frech, 1914, p. 333, Pl. 28, figs. 2-7; Fig. 1.  
*Hexacrinites rosthorni* (Charlesworth in Frech, 1914). *Nomen correctum* Webster, 2003. Hauser, 2007, p. 6.  
 Devonian, Pragian – Emsian, Riffkalkes. Germany, Eastern Alps
- Hexacrinites sartenaeri* Hauser, 1999 = *Megaradialocrinus ventricosus*
- Hexacrinites schnuri* Hauser, 1999 = *Megaradialocrinus minor*
- Hexacrinites senzeilleianus* Hauser, 1999 = *Megaradialocrinus minor*
- Hexacrinites spinosus* (Mueller, 1856) = *Megaradialocrinus spinosus*
- Hexacrinites cf. spinosus* (Müller, 1856). Hauser, 1997, p. 157, Pls. 50, figs. 9-10; 51, figs. 1-2.  
 Devonian, Eifelian, ?Freilingen Formation; ?Ahhbach Formation. Germany
- ?*Hexacrinites spinosus* (Müller, 1856). Bohatý, 2008, p. 17, Fig. 5, nos. a-b.  
 Devonian, Eifelian-Givetian. Germany
- ?*Hexacrinites cf. spinosus* (Müller, 1856). Bohatý, 2008, Fig. 5, no. c.  
 Devonian, middle Givetian. Germany
- Hexacrinites springeri* (Thomas, 1924) = *Desmidocrinus springeri* = *Cerasmocrinus springeri*
- Hexacrinites stellaris* (Roemer, 1851). Bassler and Moodey, 1943, p. 510. Hauser, 1997, p. 158. Hauser, 2001, p. 20, 40, Pls. 6, fig. 4; 9, fig. 1; Figs. 28,29. Hauser, 2007, p. 17, Figs. 3-7. Hauser, 2008, Pl. 3, fig. 8. Bohatý, 2010, p. 28.  
*Platycrinus stellaris* Roemer, C. F., 1851b, p. 362, Pl. 7, figs. 2a-2c. Bassler and Moodey, 1943, p. 510.  
*Hexacrinus stellaris* (Roemer, 1851). Schultze, 1866, p. 81 (adv. pub.). Schultze, 1867, p. 193, Pl. 8, fig. 3. Bassler and Moodey, 1943, p. 510.

Devonian, Eifelian, ?Freilingen Formation. Germany

*Hexacrinites stellaris* Schultze, 1866 (part) = *Hexacrinites websteri*

*Hexacrinites symmetricus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 510.

*Hexacrinus symmetricus* Quenstedt, 1876a, Pl. 71, fig. 5. Quenstedt, 1876b, p. 563, Pl. 109, fig. 64. Quenstedt, 1885, p. 953, Pl. 76, fig. 20. Bassler and Moodey, 1943, p. 510.

Devonian, Eifelian. Germany

*Hexacrinites taluxaiensis* Hauser, 2007 = ?*Megaradialocrinus macrotatus*

*Hexacrinites thomasbeckeri* Hauser, 2004d, p. 35, Pl. 2, fig. 11; Fig. 38.

*Hexacrinites* cf. *triradiatus* Schultze, 1866 (part). Hauser, 1997, p. 159, Pls. 53, figs. 5, 7. Hauser, 2004d, p. 35. Hauser, 2008, p. 31, Fig. 71.

Devonian, Givetian, Boundary beds Ahbach/Loogh Formations; Loogh Formation, Hustley Member. Germany

*Hexacrinites thomasbeckeri* Hauser, 2004 (part) = *Megaradialocrinus thomasbeckeri*

*Hexacrinites thomasbeckeri* Hauser, 2004 (part) = *Megaradialocrinus turritus*

*Hexacrinites trelonensis* Hauser, 2003 = ?*Megaradialocrinus trelonensis*

*Hexacrinites triradiatus* (Schultze, 1866) = *Megaradialocrinus triradiatus*

*Hexacrinites triradiatus* (Schultze); Hauser, 1997 = *Megaradialocrinus turritus*

*Hexacrinites* cf. *triradiatus* Schultze, 1866 = *Megaradialocrinus thomasbeckeri* = *Megaradialocrinus turritus*

*Hexacrinites tuberculatus* (von Koenen, 1886). Bassler and Moodey, 1943, p. 510.

Hauser, 1999, p. 88, Pl. 25, fig. 1.

*Hexacrinus tuberculatus* von Koenen, 1886, p. 115, Pl. 1, figs. 4a-4d. Bassler and Moodey, 1943, p. 510.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Hexacrinites* aff. *tuberculatus* (von Koenen, 1886). Hauser, 1999, p. 88, Pl. 24, fig. 2.

Hauser, 2003, p. 22, Pl. 2, figs. 11-13.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Hexacrinites turritus* Bohatý, 2006 = *Megaradialocrinus turritus*

*Hexacrinites ubaghsi* Hauser, 1999 = *Megaradialocrinus tuberculatus*

*Hexacrinites?* *ubaghsi* Hauser, 1999. Hauser, 2002, p. 51, Pls. 9, figs. 4, 6-6a; 11, fig. 3; 12, figs. 1-1b; Fig. 40.

Devonian, Frasnian, Neuville Formation. Belgium

*Hexacrinites unterthalensis* Bohatý, 2006 = *Megaradialocrinus unterthanlensis*

*Hexacrinites ventricosus* Goldfuss, 1831 = *Megaradialocrinus ventricosus*

*Hexacrinites verrucosus* (Dewalque, 1884). Bassler and Moodey, 1943, p. 511.  
Ubaghs in Moore and Teichert, 1978, p. T113, T475, Figs. 84, nos. 6-7; 279, no. 1e. Webster, 1986, p. 170. Hauser, 1999, p. 91, Pl. 23, fig. 1; Fig. 32.

*Hexacrinus verrucosus* Dewalque in Fraipont, 1884, p. 108, Pl. 1, fig. 3. Von Koenen, 1886, p. 113, Pl. 1, figs. 2a-2c, 5. Maillieux, 1940, p. 14. Bassler and Moodey, 1943, p. 511.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Hexacrinites vicarii* (Whidborne, 1889) = *Megaradialocrinus granuliferus*

?*Hexacrinites villmarensis* Bohatý, 2008 = ?*Megaradialocrinus villmarensis*

*Hexacrinites wachsmuthi* (Oehlert, 1882) = *Oehlerticrinus wachsmuthi*

*Hexacrinites websteri* Hauser, 2001, p. 21, 444, Pls. 6, figs. 3-3b; 15, figs. 6-7; Hauser, 2004d, p. 32, Fig. 33. Bohatý, 2010, p. 28.

*Hexacrinites stellaris* Schultze, 1866, Pl. 8, fig. 3 (non Roemer, 1851). Hauser, 2001, p. 44.

*Hexacrinites* cf. *callosus* Hauser, 1997, Pl. 51, fig. 3. Hauser, 2001, p. 44.

*Hexacrinites johannesmuelleri* Hauser, 2004d, p. 31, Pl. 1, fig. 6; Figs. 31-32.

Hauser, 2008, p. 31, Pl. 5, fig. 2; Fig. 70. Bohatý, 2010, p. 28.

Devonian, Eifelium, Givetian, Freilingen Formation, ?Bohnert Member; Ahbach Formation; ?Loogh Formation. Germany

*Hexacrinites* aff. *websteri* Hauser, 2001, p. 21, 444, Pl. 15, fig. 5.

Devonian, Eifelian/Givetian, Boundary Ahbach-Loogh Formations. Germany

*Hexacrinites yeltyschewae* Milicina, 1989, p. 100, Pl. 1, fig. 1. Webster, 1993, p. 69.

?*Hexacrinites yeltyschewae* Milicina, 1989. Bohatý, 2010, p. 28.

Middle Devonian, series not given, Karpin Horizon. Russia, Central Urals

?*Hexacrinites yeltyschewae* Milicina, 1989 = *Hexacrinites yeltyschewae*

*Hexacrinites yui* Xu, 1963 = *Megaradialocrinus yui*

?*Hexacrinites* species Lane, Waters, and Maples, 1997, p. 16, Figs. 4.11, 4.14, 5.6.

Devonian, Famennian, Hongguleleng Formation, upper member. China, Xinjiang-Uygur Autonomous Region

*Hexacrinites?* sp. no. 1. Fraunfelder, 1974, p. 13, Pl. 1, fig. 16. Webster, 1986, p. 170.

Middle Devonian, Lingle Limestone. United States, Missouri



*Hexacrinites* sp. Gluchowski, 1993 = *Parahexacrinitidae* sp. 1

*Hexacrinites* sp. Hauser, 2001 = *Megaradialocrinus hieroglyphicus*

*Hexacrinites* sp. Hauser, 2003, Pl. 6, fig. 6; 4, fig. 2.  
Devonian, Frasnian, Neuville Formation. Belgium

*Hexacrinites* sp.? Hauser, 2001 = *Megaradialocrinus hieroglyphicus*

*Hexacrinites* sp. Webster et al., 2001, p. 108, Pl. 3, figs. G-J.  
Devonian, Early Famennian, Schistu Formation. Eastern Iran

*Hexacrinites* sp. indet. Hauser, 1999, Pl. 20, fig. 7.  
Devonian. Frasnian (F2i), Neuville Formation. Ardenne

*Hexacrinites* sp. indet. Hauser, 2002, p. 52, Pl. 10, fig. 2; Frontice.  
Devonian, Frasnian. Belgium

*Hexacrinites* sp. indet. Hauser, 2008, Pl. 63, fig. 3.  
Devonian, Eifelian. Germany

*Hexacrinites* sp. (n. sp.) Hauser, 1997 = *Megaradialocrinus globohirsutus*

*Hexacrinites* spp.  
Gluchowski, 1993a, p. 40, Fig. 4, nos. A-F.  
Devonian, late Frasnian, Detrital Beds. Poland  
Hauser, 1997, Pl. 52, fig. 3. (radial plate)  
Devonian, "Rommersheimer Beds". Germany

*Hexacrinites?* sp.  
*Hexacrinus* (?) sp. Stewart, 1927, p. 24.  
Devonian, Silica Shale. United States, Ohio

*Hexacrinites?* sp. Philip, 1961, p. 157, Pl. 8, figs. 5-7; Fig. 10. Webster, 1973, p. 149.  
Early Devonian. Australia, Victoria

*HEXACRINUS* of authors = *HEXACRINITES*

*Hexacrinus?* *aberrans* (Whidborne, 1889) = *Hexacrinites aberrans* = *Megaradialocrinus aberrans*

*Hexacrinus anaglypticus* (Goldfuss, 1839) = *Hexacrinites anaglypticus* =  
*Megaradialocrinus anaglypticus*

*Hexacrinus anaglypticus frondosus* Schultze, 1866 = *Hexacrinites anaglypticus frondosus* = *Hexacrinites crispus* = *Megaradialocrinus crispus*

*Hexacrinus anaglypticus* aff. *frondosa* Hauser, 1997 = *Megaradialocrinus crispus*

*Hexacrinus anaglypticus* aff. *frondosus* (Schultze); Hauser 2004 = *Hexacrinites* cf. *frondosus* = *Megaradialocrinus crispus*

*Hexacrinus anaglypticus granulosis* Schultze, 1866 = *Hexacrinites anaglypticus granulosis* = *Megaradialocrinus anaglypticus*

*Hexacrinus anaglypticus granulosa* Schultze, 1866 = *Hexacrinus anaglypticus stellaris* Schultze, 1866 = *Hexacrinites anaglypticus stellaris* = *Megaradialocrinus anaglypticus* = *Megaradialocrinus crispus*

*Hexacrinus anaglypticus* var. *stellaris* Schultze, 1866 = *Hexacrinites ludwigschultzei* = *Megaradialocrinus crispus*

*Hexacrinites anaglypticus* aff. *stellaris* Hauser, 1997 = *Megaradialocrinus crispus*

*Hexacrinus angulosus* von Koenen, 1886 = *Hexacrinites angulosus* = *Megaradialocrinus angulosus*

*Hexacrinus bacca* Schultze, 1866 = *Hexacrinites bacca*

*Hexacrinus brevis* (Goldfuss, 1839) = *Hexacrinites brevis* = *Megaradialocrinus brevis*

*Hexacrinus callosus* Schultze, 1866 = *Hexacrinites callosus* = *Megaradialocrinus callosus*

*Hexacrinus carboniferus* Yakovlev and Ivanov, 1956 = *Hexacrinites carboniferus* = *Ivanovaecrinus carboniferus*

*Hexacrinus costatus* Müller, 1858 Note: Bassler and Moodey;, 1943, p. 354 list

*Hexacrinus costatus* Müller, J., 1859, p. 194, 354. Bassler and Moodey, 1943, p. 507. Hauser, 2004d, p. 27. (**Note:** This is probably an error by Bassler and Moodey for *Hexacrinus limbatus* or *H. lobatus* because there is no listing of *H. costatus* by Müller, 1858. GDW 2012)

*Hexacrinus crispus* Quenstedt, 1861 = *Hexacrinites crispus* = *Megaradialocrinus crispus*

*Hexacrinus depressus* Austin and Austin, 1845 = *Hexacrinites depressus*

*Hexacrinus echinatus* Sandberger and Sandberger, 1855 = *Hexacrinites echinatus*

*Hexacrinus elongatus* (Goldfuss, 1839) = *Hexacrinites elongatus*

- Hexacrinus* aff. *elongatus* (Goldfuss, 1839) = *Hexacrinites* aff. *elongatus*
- Hexacrinus exsculptus* (Goldfuss, 1839) = *Hexacrinites exsculptus* = *Megaradialocrinus exsculptus*
- Hexacrinus exsculptus* (Goldfuss); Schultze, 1866 = *Megaradialocrinus aliculatus*
- Hexacrinus exsculptus* (Goldfuss); Schultze, 1866 = *Megaradialocrinus aliculatus*
- Hexacrinites exsculptus* (Goldfuss); Dohm, 1976 = *Megaradialocrinus marginatus*
- Hexacrinus faniensis* Maillieux, 1940 = *Hexacrinites faniensis*
- Hexacrinus frechi* Charlesworth, 1914 = *Hexacrinites frechi* = *Megaradialocrinus frechi*
- Hexacrinus gibbosus* Bergougnieux, 1939 = *Hexacrinites gibbosus*
- Hexacrinus granulifer* (Roemer, 1852) = *Hexacrinites granulifer*
- Hexacrinus heiroglyphicus* Quenstedt, 1876 = *Hexacrinites heiroglyphicus* =  
*Hexacrinites pateraeformis*
- Hexacrinus humei* Springer, 1926 = *Hexacrinites humei* = *Megaradialocrinus humei*
- Hexacrinus infundibulum* von Koenen, 1886 = *Hexacrinites infundibulum* =  
? *Megaradialocrinus infundibulum*
- Hexacrinus inhospitalis* Schmidt, 1934 = *Hexacrinites inhospitalis* = ?  
*Megaradialocrinus inhospitalis*
- Hexacrinus interscapularis* (Phillips, 1841) = *Hexacrinites interscapularis*
- ? *Hexacrinus interscapularis* (Phillips, 1841) = *Hexacrinites interscapularis*
- Hexacrinus iowensis* Thomas, 1924 = *Hexacrinites iowensis* = *Megaradialocrinus iowensis*
- Hexacrinus leai* (Lyon, 1869) = *Hexacrinites leai* = ? *Megaradialocrinus leai*
- Hexacrinus limbatus* Müller, 1856 = *Hexacrinites limbatus* = *Megaradialocrinus limbatus*
- Hexacrinus lobatus* Müller, 1856 = *Hexacrinites lobatus* = *Megaradialocrinus lobatus*
- Hexacrinus macrotatus* Austin and Austin, 1845 = *Hexacrinites macrotatus*
- Hexacrinus magnificus* Quenstedt, 1867 = *Hexacrinites magnificus*

*Hexacrinus melo* Austin and Austin, 1844 = *Hexacrinites interscapularis*

*Hexacrinus microglyphicus* Whidborne, 1889 = *Hexacrinites microglyphicus*

*Hexacrinus minor* Dewalque, 1884 = *Hexacrinites minor* = *Megaradialocrinus minor*

*Hexacrinus mosquensis* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 511.

Carboniferous, series not given. Russia

*Hexacrinus nodifer* Schultze, 1866 = *Hexacrinites nodifer* = *Megaradialocrinus nodifer*

*Hexacrinus occidentalis* Wachsmuth and Springer, 1897 = *Hexacrinites occidentalis* = *Megaradialocrinus occidentalis*

*Hexacrinus ornatus* (Goldfuss, 1839) = *Hexacrinites ornatus* = *Megaradialocrinus ornatus*

*Hexacrinus*(?) *ornatus* Hauser, 1997 = *Megaradialocrinus hieroglyphicus* = *Hexacrinites marginatus* = *Megaradialocrinus marginatus*

*Hexacrinus ornatus marginatus* Schultze, 1866 = *Hexacrinites ornatus marginatus*

*Hexacrinus ornatus* var. *marginata* Schultze; Hauser, 2004 = *Hexacrinites hieroglyphicus* = *Megaradialocrinus hieroglyphicus*

*Hexacrinus pateraeformis* Schultze, 1866 = *Hexacrinites pateraeformis*

*Hexacrinus pentangularis* Austin and Austin, 1845 = *Hexacrinites pentangularis* = *Megaradialocrinus pentangularis*

*Hexacrinus perarmatus* Whidborne, 1889 = *Hexacrinites perarmatus* = *Megaradialocrinus perarmatus*

*Hexacrinus perdubius* Gregorio, 1930, p. 41, Pl. 15, figs. 20-21. Bassler and Moodey, 1943, p. 511 (unrecognizable).

Permian. Sicily

*Hexacrinus piriformis* Schultze, 1866 = *Hexacrinites piriformis* = ?*Megaradialocrinus piriformis*

*Hexacrinus pyriformis* Schultze, 1866 = ?*Megaradialocrinus pyriformis*

*Hexacrinus* aff. *pyriformis* Schultze, 1866 = *Hexacrinites* aff. *piriformis*

- Hexacrinus quintangulus* Whidborne, 1889 = *Hexacrinites pentangularis* =  
? *Megaradialocrinus pentangularis*
- Hexacrinus rosthorni* Frech msc in Charlesworth, 1914 = *Hexacrinites rosthorni*
- Hexacrinus spinosus* (Müller, 1856) = *Hexacrinites spinosus* = *Megaradialocrinus spinosus*
- Hexacrinus spinosus* Opitz, 1932 (non Müller, 1856) = *Ctenocrinus malcontractus*
- Hexacrinus springeri* Thomas, 1924 = *Desmidocrinus springeri* = \**Cerasmocrinus springeri*
- Hexacrinus stellaris* (Roemer, 1851) = *Hexacrinites stellaris*
- Hexacrinus symmetricus* Quenstedt, 1876 = *Hexacrinites symmetricus*
- Hexacrinus* cf. *triradiatus* Schultze, 1866 = *Hexacrinites triradiatus* = *Hexacrinites thomasbeckeri* = *Megaradialocrinus thomasbeckeri*
- Hexacrinus tuberculatus* von Koenen, 1886 = *Hexacrinites tuberculatus*
- Hexacrinus ventricosus* (Goldfuss, 1831) = *Hexacrinites ventricosus* =  
*Megaradialocrinus ventricosus*
- Hexacrinus verrucosus* Dewalque, 1884 = *Hexacrinites verrucosus*
- Hexacrinus vicarri* Whidborne, 1889 = *Hexacrinites vicarri*
- Hexacrinus wachsmuthi* Oehlert, 1882 = *Hexacrinites wachsmuthi* = *Oehlerticrinus wachsmuthi*
- Hexacrinus* (?) sp. Stewart, 1927 = *Hexacrinites?* sp.
- Hexacrinus?* sp. Termier, G. and Termier, H., 1950, p. 84, Pl. 211, figs. 23-26.  
Webster, 1973, p. 148.  
Devonian, Eifelian. Morocco
- Hexacrinus* sp. Sobolew, 1909, p. 512.  
Middle Devonian. Russia, Kielelets-Sandomirsk Mountain
- HEXUMBRELLA** Termier and Termier, 1974. *Nomen vetitum*  
Termier, H. and Termier, G., 1974, p. 33. Webster, 1986, p. 170.  
Devonian, Pragian. Morocco
- Hexumbrella* sp. Termier, H. and Termier, G., 1974, p. 33, Pl. 6, figs. 1-2. Webster, 1986, p. 170.

Devonian, Pragian. Morocco

"High Crest plates" Sprinkle, 1971, p. D94, Fig. 1, nos. 71-74 (possibly brachials?).  
Webster, 1977, p. 181.

Middle Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

"High-domed ridged plates" Sprinkle, 1971, p. D94, Fig. 1, nos. 65-67 (possibly  
tegmen plates). Webster, 1977, p. 181.

Middle Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

**HIMEROCRINUS** Springer, 1921. \**Hadrocrinus plenissimus* Lyon, 1869.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F.  
Polypeltidae

Springer, 1921a, p. 12. Goldring, 1923, p. 198. Bassler, 1938, p. 113. Bassler and  
Moodey, 1943, p. 511. Moore and Laudon, 1943b, p. 99. Ubaghs, 1953, p.  
742. Webster, 1973, p. 149. Ubaghs *in* Moore and Teichert, 1978, p. T119,  
T503, Fig. 91. Webster, 1986, p. 170.

**CORONOCRINUS** Hall, 1859b, p. 124. \**C. polydactylus* Hall, 1859. Bigsby, 1868,  
p. 19. Zittel, 1880, p. 344, 369. Miller, S. A., 1889, p. 234. Bassler, 1938, p. 73.  
Bassler and Moodey, 1943, p. 373. Ubaghs *in* Moore and Teichert, 1978, p.  
T516. Webster, 1986, p. 103.

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Lochkovian, 1 Emsian

Devonian, Lochkovian - Emsian. United States, New York, Kentucky

\**Himerocrinus plenissimus* (Lyon, 1869). Springer, 1921a, p. 12, Pls. 2, fig. 2; 4, figs.  
1-4; Figs. 1-4. Bassler and Moodey, 1943, p. 511. Ubaghs *in* Moore and  
Teichert, 1978, p. T113, T503, Figs. 84, no. 5; 304, no. 1. Webster, 1986, p.  
170.

*Hadrocrinus plenissimus* Lyon, 1869, p. 445, Pl. 26, fig. B1-B3. Miller, S. A., 1889,  
p. 252. Wachsmuth and Springer, 1897, p. 328, Pl. 24, Figs. 2a-2b. Rowley, R.  
R., 1903f, p. 165, Pl. 48, figs. 5-6. Bassler, 1938, p. 113. Bassler and Moodey,  
1943, p. 511.

Devonian, Emsian, Jeffersonville Limestone. United States, Indiana, Kentucky

*Himerocrinus polydactylus* (Hall, 1859). Bigsby, 1868, p. 19.

*Coronocrinus polydactylus* Hall, 1859b, p. 124, Pl. 6, figs. 4-6. Miller, S. A., 1889,  
p. 234. Bassler, 1938, p. 73. Bassler and Moodey, 1943, p. 373. Ubaghs *in*  
Moore and Teichert, 1978, p. T516, Fig. 318, no. 2. Webster, 1986, p. 103.

*Himerocrinus? polydactylus* (Hall, 1859). Goldring, 1923, p. 199, Pl. 20, fig. 11.  
Bassler and Moodey, 1943, p. 373.

Devonian, Lochkovian (Gedinnian), New Scotland Limestone. United States, New  
York

*Himerocrinus? polydactylus* (Hall, 1859) = *Himerocrinus polydactylus*

**HIRNEACRINUS** Frest and Strimple, 1977. \**H. cupellaeformis* Frest and Strimple,  
1977.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hirneocrinidae

Frest and Strimple, 1977e, p. 1186. Webster, 1986, p. 171.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species

Silurian, Wenlockian. United States, Indiana

\**Hirneacrinus cupellaeformis* Frest and Strimple, 1977e, p. 1190, Pl. 1, figs. 8-10; Figs. 2-3. Webster, 1986, p. 171.

Silurian, Wenlockian, Laurel Limestone. United States, Indiana

**HISTOCRINUS** Kirk, 1940. \**Poteriocrinites coreyi* Worthen in Worthen and Meek, 1875.

Sbc. Cladida, Infc. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Kirk, 1940c, p. 327. Bassler and Moodey, 1943, p. 511. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 169. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 149. Webster, 1977, p. 97. Moore and Strimple in Moore and Teichert, 1978, p. T643. Smith, A. B., 1985, p. 172. Lane and Howell, 1986, p. 902. Webster, 1986, p. 171. Webster, 1988, p. 94. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 470. Webster, 1993, p. 69. Kammer and Roeser, 2012, p. 478.

Named, currently recognized species based on cups or crowns: 7 species. 1 Devonian, Famennian; 5 Mississippian, 2 Tournaisian, 4 Viséan

Mississippian, Tournaisian – Viséan (late Kinderhookian – Osagean). United States, Indiana, Iowa

*Histocrinus aegina* (Hall, (1863) Kammer and Roeser, 2012, p. 477, Figs. 2.8, 3.6-3.8. Mississippian, Kinderhookian, Cuyahoga Formation, Meadville Shale Member. United States, Ohio

*Histocrinus? chenaе* Webster and Waters, 2009, p. 276, Fig. 4, nos. L-O.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur Autonomous Region

\**Histocrinus coreyi* (Worthen, 1875). Bassler and Moodey, 1943, p. 512. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 1. Moore and Laudon, 1944, p. 169, Pl. 60, fig.

22. Van Sant in Van Sant and Lane, 1964, p. 93, Pls. 4, figs. 5, 8-9; 5, figs. 8-9, 12. Priest, 1973, Unnum. Fig. p. 71. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 149. Webster, 1977, p. 97. Moore and Strimple in Moore and Teichert, 1978, p. T643, Fig. 418, no. 2. Ausich, 1980a, p. 277, Tab. 2. Ausich and Lane, 1982b, p. 1351. Kammer, 1985b, p. 557, Fig. 2, no. 2. Smith, A. B., 1985, p. 172, Pl. 7.4.35. Webster, 1986, p. 171. Kammer and Ausich, 1987, p. 384, Fig. 3, nos. C-D. Webster, 1988, p. 94. Kammer and Ausich, 1992, p. 471. Webster, 1993, p. 69.

- Poteriocrinus coreyi* Worthen *in* Worthen and Meek, 1875, p. 516, Pl. 29, figs. 2-3 (non *P. (Scaphiocrinus) coreyi* Meek and Worthen, 1869). Quenstedt, 1885, p. 949, Pl. 76, figs. 7-8. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 512.
- Cyathocrinus dekadactylus* Lyon and Casseday, 1860b, p. 73. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 640.
- Poteriocrinus (Scaphiocrinus) dekadactylus* (Lyon and Casseday, 1860). Shumard, 1868, p. 391.
- Poteriocrinus dekadactylus* (Lyon and Casseday, 1860). Wachsmuth and Springer, 1880 (1879), p. 117 (340). Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 640.
- Poteriocrinites dekadactylus* (Lyon and Casseday, 1860). Bassler and Moodey, 1943, p. 640.
- ?*Cyathocrinus dekadactylus* Lyon and Casseday, 1860. Van Sant *in* Van Sant and Lane, 1964, p. 93. Webster, 1973, p. 149. Kammer and Ausich, 1992, p. 471.
- Poteriocrinus (Scytalocrinus) grandis* Wachsmuth and Springer, 1880 (1879), p. 118 (341). Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 512. Kammer and Ausich, 1992, p. 471.
- Scytalocrinus grandis* (Wachsmuth and Springer), 1880. Kammer and Ausich, 1992, p. 471.
- Decadocrinus grandis* (Wachsmuth and Springer, 1880). Springer, 1900, p. 144, Pl. 16, fig. 17. Bassler and Moodey, 1943, p. 512. Kammer and Ausich, 1992, p. 471.
- Histocrinus grandis* (Wachsmuth and Springer, 1880). Kirk, 1940c, p. 328. Bassler and Moodey, 1943, p. 512. Kammer and Ausich, 1992, p. 471.  
Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana
- Histocrinus grandis* (Wachsmuth and Springer, 1880), Kirk, 1940 = *Histocrinus coreyi*
- Histocrinus graphicus* (Miller and Gurley, 1890). Kirk, 1940c, p. 328. Bassler and Moodey, 1943, p. 512. Van Sant *in* Van Sant and Lane, 1964, p. 94, Pl. 5, figs. 2, 5. Webster, 1973, p. 149. Kammer and Ausich, 1992, p. 471.
- Scaphiocrinus graphicus* Miller and Gurley, 1890b, p. 50, Pl. 10, fig. 4. Miller and Gurley, 1891, p. 366, Pl. 10, fig. 4. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 512.  
Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana
- Histocrinus juvenis* (Meek and Worthen, 1870). Kirk, 1940c, p. 328. Bassler and Moodey, 1943, p. 512.
- Poteriocrinites (Graphiocrinus, Scaphiocrinus) juvenis* Meek and Worthen, 1870. Bassler and Moodey, 1943, p. 512.
- Poteriocrinites (Scaphiocrinus) juvenis* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880, p. 342 (119). Bassler and Moodey, 1943, p. 641.
- Poteriocrinus (Decadocrinus) juvenis* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880, p. 342 (119).



*Decadocrinus juvenis* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 342 (119). Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 512.

*Scaphiocrinus juvenis* (Meek and Worthen, 1870a), p. 146. Meek and Worthen, 1873, p. 417, Pl. 2, fig. 8. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 213. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Histocrinus loganensis* Webster, 1997, p. 24, Pl. 6, fig. 4.  
Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Histocrinus? stellatus* (Lane and Howell, 1986). Kammer and Ausich, 1992, p. 471.  
*Decadocrinus stellatus* Lane and Howell, 1986, p. 902, Fig. 1, nos. 5, 7. Webster, 1993, p. 48. Kammer and Ausich, 1992, p. 471.  
Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Histocrinus* sp. nov. Campbell and Bein, 1971 = *Prininocrinus namoiensis*

*Histocrinus* sp. Webster and Waters, 2009, p. 276, Fig. 4, no. Q.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur Autonomous Region

**HOLCOCRINUS** Kirk, 1945. \**Graphiocrinus longicirifer* Wachsmuth and Springer, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Kirk, 1945c, p. 517. Webster, 1973, p. 149. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707. Smith, A. B., 1985, p. 170. Webster, 1986, p. 171. Webster, 1988, p. 94. Lane and Sevastopulo, 1990, p. 336. Kammer and Ausich, 1993, p. 626. Webster, 1993, p. 69.

**EIREOCRINUS** Wright, 1951. \**E. ornatus* Wright, 1951. Wright, J., 1951b, p. 102. Webster, 1973, p. 120. Moore and Strimple *in* Moore and Teichert, 1978, p. T686. Webster, 1986, p. 136. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 54. Ausich and Sevastopulo, 2001, p. 114.

Named, currently recognized species based on cups or crowns: 8 species. 1 Devonian, Famennian; 7 Mississippian, 4 Tournaisian, 3 Viséan

Devonian, Famennian. China

Mississippian, Tournaisian. Ireland

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

*Holcocrinus asiaticus* Lane, Waters, and Maples, 1997, p. 40, Figs. 14.4, 14.7, 16.6-16.8.

Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China, Xinjiang-Uyghur Autonomous Region

*Holcocrinus barrabaensis* Webster and Jell, 1999a, p. 271, Fig. 19, nos. A-B.

Mississippian, late Tournaisian, Namoi Formation. Australia, New South Wales

*Holococrinus irregularis* (Chen and Yao, 1993). Webster, Waters, and Chen, 2009, p. 155, Fig. 9, nos. e-f.

*Exaetocrinus irregularis* Chen and Yao, 1993, p. 66, Pl. 7, fig. 7; Fig. 43, nos. a-b (non Pl. 7, fig. 6 as given p. 66). Webster, Waters, and Chen, 2009, p. 155. Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

\**Holococrinus longicirrifera* (Wachsmuth and Springer, 1889). Kirk, 1945c, p. 519.

Laudon and Severson, 1953, p. 522, Pls. 51, figs. 31-35; 55, fig. 2. Webster, 1973, p. 149. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T707, Fig. 464, nos. 2a-2b. Smith, A. B., 1985, p. 170, Pl. 7.4.26. Webster, 1988, p. 94. Gahn, 1995, p. 122, Fig. 6, no. 2. Ausich and Sevastopulo, 2001, p. 115, Tab.

33. Gahn and Baumiller, 2004, p. 19, Fig. 3, no. E. Gahn and Baumiller, 2005, p.

154, Figs. 1, no. Hl; 3, no. B.

*Graphiocrinus longicirrifera* Wachsmuth and Springer *in* Miller, S. A., 1889, p. 251, Fig. 325. Wachsmuth and Springer *in* Miller, S. A., 1890, p. 193, Pls. 15, fig. 12; 17, fig. 14. Weller, S., 1898c, p. 300. Laudon and Beane, 1937, p. 260, Pls. 18, figs. 8-9; 19, fig. 8. Bassler and Moodey, 1943, p. 496. Kirk, 1945c, p. 519. Webster, 1973, p. 149.

*Holococrinus longicirrifera* (Wachsmuth and Springer, 1889). Webster, 1986, p. 171 (sic).

Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Wassonville Cycle;

Lodgepole Limestone. United States, Ohio, Iowa, Montana, Idaho

*Holococrinus nobobrachiatus* Kammer and Ausich, 1993 = *Holococrinus nodobrachiatus*

*Holococrinus nodobrachiatus* (Hall, 1861). Ausich and Lane, 1982b, p. 1351, Pl. 1, figs. 1, 6. Webster, 1988, p. 94. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 8. Ausich and Sevastopulo, 2001, p. 115, Tab. 33.

*Scaphiocrinus nodobrachiatus* Hall, 1861a, p. 314. Hall, 1861b, p. 8. Hall, 1861c, p. 314. Shumard, 1868, p. 395. Hall, 1872c, Pl. 6, fig. 2. Miller, S. A., 1889, p. 280. Lesley, 1889, p. 935. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 643. Kirk, 1945c, p. 519. Webster, 1973, p. 149.

*Poteriocrinus nodobrachiatus* (Hall, 1861). Wachsmuth and Springer, 1880 (1879), p. 120 (343). Bassler and Moodey, 1943, p. 643.

*Poteriocrinites nodobrachiatus* (Hall, 1861). Bassler and Moodey, 1943, p. 643.

*Holococrinus? nodobrachiatus* (Hall, 1861). Kirk, 1945c, p. 519. Webster, 1973, p. 149.

*Holococrinus nobobrachiatus* (Hall, 1861). Kammer and Ausich, 1993, p. 626. Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation. United States, Kentucky

*Holococrinus? nodobrachiatus* (Hall, 1861) = *Holococrinus nodobrachiatus*

*Holococrinus symthi* (Wright, 1934). Kirk, 1945c, p. 520. Wright, J., 1952a, p. 105, Pl. 36, figs. 1, 4, 14, 20; Fig. 42. Webster, 1973, p. 149. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T707, Fig. 464, nos. 2a-2b. Ausich and Sevastopulo, 2001, p. 114, Pl. 12, figs. 16-17; Fig. 14, nos. A-B.

*Graphiocrinus symthi* Wright, J., 1934, p. 258, Pl. 15, fig. 8; Fig. 28. Bassler and Moodey, 1943, p. 497. Kirk, 1945c, p. 520. Webster, 19

*Eireocrinus ornatus* Wright, J., 1951b, p. 102, Pl. 31, fig. 2. Webster, 1973, p. 120. Moore and Strimple in Moore and Teichert, 1978, p. T686, Fig. 453, no. 3. Webster, 1986, p. 136. Ausich and Sevastopulo, 2001, p. 114.

Mississippian, Tournaisian, Supradolomite Beds. Ireland

*Holococrinus spinobrachiatus* (Hall, 1861). Kirk, 1945c, p. 520. Webster, 1973, p. 149.

*Scaphiocrinus spinobrachiatus* Hall, 1861a, p. 306. Hall, 1861b, p. 8. Hall, 1861c, p. 306. Shumard, 1868, p. 396. Miller, S. A., 1889, p. 280. Kirk, 1945c, p. 520. Webster, 1973, p. 149. Lee, Ausich, and Kammer, 2005, p. 349, Figs. 2.6-2.9. Kammer, 2008, p. 181, Fig. 9.2, nos. 1-2.

*Graphiocrinus spinobrachiatus* (Hall, 1861) Miller, S. A., 1889, p. 251. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 497.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Nada Member,

Borden Formation. United States, Iowa, Kentucky

*Holococrinus wachsmuthi* (Meek and Worthen, 1861). Kirk, 1945c, p. 520. Ausich and Sevastopulo, 2001, p. 115, Tab. 33.

*Poteriocrinus (Scaphiocrinus) wachsmuthi* Meek and Worthen, 1861, p. 141.

Shumard, 1868, p. 393. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 498. Kirk, 1945c, p. 520. Webster, 1973, p. 149.

*Scaphiocrinus wachsmuthi* (Meek and Worthen, 1861). Meek and Worthen, 1868c, p. 488, Pl. 16, figs. 7a-7b. Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 301.

*Graphiocrinus wachsmuthi* (Meek and Worthen, 1861). Wachsmuth and Springer, 1880 (1879), p. 123. Miller, S. A., 1889, p. 252, Fig. 327. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 498.

*Poteriocrinus wachsmuthi* Meek and Worthen, 1861. Miller, S. A., 1889, p. 276.

*Holococrinus wachsmuthi* (Meek and Worthen, 1861). Webster, 1973, p. 149 (sic).

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

**HOLLOWAYCRINUS** Jell, 1999. \**Hollowaycrinus calvus* Jell, 1999.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Opsiocrinidae  
Jell, 1999a, p. 5.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Lochkovian species

Devonian, Lochkovian. Australia, Victoria

\**Hollowaycrinus calvus* Jell, 1999a, p. 5, Fig. 4, nos. A-H.

Devonian, Lochkovian, Humevale Formation. Australia, Victoria

**HOLMESOCRINUS** Jell, 1999. \**Holmesocrinus enidae* Jell, 1999.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Plicodendrocrinidae

Jell, 1999a, p. 87.

Named, currently recognized species based on cups or crowns: 2 species. 1

Silurian, Pridoli; 1 Devonian, Lochkovian

Silurian, Pridoli; Devonian, late Lochkovian. Australia, Victoria

\**Holmesocrinus enidae* Jell, 1999a, p. 87, Figs. 69-70.

Silurian, Pridoli, Humevale Formation. Australia, Victoria

*Holmesocrinus idaensis* Jell, 1999a, p. 87, Fig. 71, nos. A-E.

Devonian, late Lochkovian, Mt. Ida Formation. Australia, Victoria

*Holocrinus longicirrifera* (Wachsmuth and Springer, 1889) = *Holcocrinus longicirrifera*

*Holocrinus wachsmuthi* (Meek and Worthen, 1861) = *Holcocrinus wachsmuthi*

**HOLYNOCRINUS** Bouska, 1948. \**H. moorei* Bouska, 1948.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Holynocrinidae

Bouska, 1948, p. 521, Fig. 8. Ubaghs, 1953, p. 747. Webster, 1973, p. 149. Moore and Lane *in* Moore and Teichert, 1978, p. T558. Webster, 1986, p. 171.

Sevastopulo and Lane, 1988, p. 246. Webster, 1993, p. 69.

Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species

Devonian, late Emsian. Czech Republic

\**Holynocrinus moorei* Bouska, 1948, p. 522, Figs. 1-5. Webster, 1973, p. 150.

Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 110, no. 3. Moore and Lane

*in* Moore and Teichert, 1978, p. T558, Fig. 350, no. 4. Webster, 1986, p. 171.

Prokop and Petr, 1990, p. 33, Pl. 4, fig. 3. Webster, 1993, p. 69.

Devonian, late Emsian, Hlubocepy Limestone; Trebotov Limestone. Czech Republic, Bohemia

*Holynocrinus spinifer* Bouska, 1948, p. 523, Figs. 6-7. Webster, 1973, p. 150. Prokop

and Petr, 1990, p. 46. Webster, 1993, p. 69.

Devonian, late Emsian, Hlubocepy Limestone; Trebotov Limestone. Czech Republic, Bohemia

Homalocrinidae indeterminate Ausich and Copper, 2010, p. 61, Pl. 12, fig. 2; Fig. 10.3.

Ordovician, Katian, Vauréal Formation, Easton Member. Canada, Quebec, Anticosti Island

**HOMALOCRINUS** Angelin, 1878. \**Taxocrinus nanus* Salter, 1873.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Homalocrinidae

Angelin, 1878, p. 11. Zittel, 1880, p. 343, 355. Zittel, 1895, p. 138. Wachsmuth and Springer, 1880 (1879), p. 35 (258). Bather *in* Lankester, 1900, p. 189. Wachsmuth *in* Zittel, 1900, p. 164. Springer, 1906, p. 482. Springer *in* Zittel, 1913, p. 203. Springer 1920, p. 144. Bassler, 1938, p. 113. Bassler and Moodey, 1943, p. 512. Moore and Laudon, 1943b, p. 74. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 150. Frest and Strimple, 1978a, p. 684, Fig. 1, no. A. Moore *in* Moore and Teichert, 1978, p. T794, Figs. 506, no. 16; 509, no. 4a. Webster, 1986, p. 172. Donovan et al., 2010, p. 111, Pls. 29, fig. 2; 30, figs. 1-3; Fig. 48.

*LEIOCRINUS* Springer, 1902, p. 95 (*non* d'Orbigny, 1850). \**Calpiocrinus ovatus* Angelin, 1878. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 512. Moore *in* Moore and Teichert, 1978, p. T794.

Named, currently recognized species based on cups or crowns: 3 Silurian, Wenlockian species

Silurian, Wenlockian, Homerian. United Kingdom, Shropshire; Sweden, Isle of Gotland

*Homalocrinus dudleyensis* Springer, 1906 = *Homalocrinus parabasalis* = *Homalocrinus nanus*

*Homalocrinus liljevalli* Springer, 1920a, p. 155, Pl. 6, figs. 13-15. Bassler and Moodey, 1943, p. 512. Moore *in* Moore and Teichert, 1978, p. T794, Figs. 534, nos. 2i-2k. Webster, 1986, p. 172.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Homalocrinus nanus* (Salter, 1873). Donovan et al., 2008a, p. 47, Fig. 9, no. F. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 13. Donovan et al., 2010, p. 111, Pls. 29, fig. 2; 30, figs. 1-3; Fig. 48, nos. A-B.

*Taxocrinus nanus* Salter, 1873, p. 126. Bassler and Moodey, 1943, p. 512. Donovan et al., 2008a, p. 47.

*Homalocrinus parabasalis* Angelin, 1878, p. 11, Pl. 16, figs. 29-30. Springer, 1906, p. 482, Pl. 7, fig. 9. Springer, 1920, p. 154, Pl. 6, figs. 1-12. Bassler, 1938, p. 113. Bassler and Moodey, 1943, p. 512. Moore *in* Moore and Teichert, 1978, p. T794, Figs. 533, no. 3; 534, nos. 2a-2h. Webster, 1986, p. 172.

*Homalocrinus dudleyensis* Springer, 1906, p. 482, Pl. 7, figs. 12-13. Bassler and Moodey, 1943, p. 512.

Silurian, Wenlockian, Much Wenlock Limestone Formation. Sweden, Isle of Gotland;

United Kingdom

*Homalocrinus parabasalis* Angelin, 1878 = \**Homalocrinus nanus*

*Homalocrinus? peculiaris* Springer, 1920a, p. 159, Pl. 7, figs. 6a-6c. Bassler and Moodey, 1943, p. 512.

Silurian, Wenlockian. Sweden, Isle of Gotland

Homocrinid Rozhnov, 2002, p. 622, Fig. 65, lower. (diagramatic)

Homocrinid ancestor Brower, 1988, p. 917, Fig. 1 (upper diagram). Webster, 1993, p. 69.

Homocrinid plane of symmetry Rozhnov, 2002, p. 611, Fig. 59, no. c. (diagramatic)

**HOMOCRINUS** Hall, 1852. \**H. parvus* Hall, 1852.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Hall, 1852a, p. 185. Hall, 1861 (1859), p. 102. Dujardin and Hupé, 1862, p. 128.

Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Zittel, 1880, p. 344, 361.

Wachsmuth and Springer, 1880 (1879), p. 77 (300). Wachsmuth and Springer, 1883b, p. 376, Fig. 6. Wachsmuth and Springer, 1886, p. 220 (144). Miller, S. A., 1889, p. 255. Bather, 1890b, p. 324. Zittel, 1895, p. 135. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 155. Kirk, 1914, p. 473. Bassler, 1915, p. 633. Ulrich *in* Foerste, 1925, p. 93. Bassler, 1938, p. 114. Bassler and Moodey, 1943, p. 512. Moore and Laudon, 1943b, p. 29. Moore and Laudon, 1944, p. 145, Pl. 52, fig. 7. Ubaghs, 1953, p. 746, Fig. 140, no. C. Moore, 1962b, p. 8, Figs. 1, no. 8; 3, no. 4. Webster, 1973, p. 150. Warn and Strimple, 1977, p. 77. Webster, 1977, p. 97. Ubaghs *in* Moore and Teichert, 1978, p. T61, Fig. 43, no. 2. Moore and Lane *in* Moore and Teichert, 1978, p. T522. Eckert, 1984, p.

31.

Webster, 1986, p. 172. Eckert, 1987c, p. 2568. Sevastopulo and Lane, 1988, p. 247, Figs. 19.1-19.2, no. a. Clement, 1988, p. 113. Webster, 1988, p. 95.

Webster, 1993, p. 69. Rozhnov, 1998, p. 75, Fig. 4. (diagramatic). Ausich, 1998, p. 26. Rozhnov, 2002, p. S541, Fig. 14. (diagramatic). Rozhnov, p. 309, Fig. 2, no. c.

Named, currently recognized species based on cups or crowns: 7 species. 4

Silurian, 1 Llandoveryan, 3 Niagaran; 3 Devonian, 1 Lochkovian, 2 Pragian

Early Silurian - Middle Devonian. North America

*Homocrinus? aemulus* (Hall, 1879). Wachsmuth and Springer, 1886, p. 234 (158).

Bassler and Moodey, 1943, p. 513.

*Cyathocrinus (Poteriocrinus) aemulus* Hall, 1879c, p. 10. Hall, 1882a, p. 66. Hall, 1882b, p. 266. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 513.

*Cyathocrinus aemulus* Hall, 1879. Miller, S. A., 1889, p. 235.

Silurian, Niagaran, Waldron Shale. United States, Indiana

*Homocrinus alternatus* Hall, 1847 = *Dendrocrinus alternatus*

*Homocrinus ancilla* (Hall, 1879). Wachsmuth and Springer, 1886, p. 220 (144).

Bassler, 1915, p. 633. Bassler and Moodey, 1943, p. 513.

*Dendrocrinus ancilla* Hall, 1879c, p. 9. Hall, 1882a, p. 65. Hall, 1882b, p. 271, Pl. 15, fig. 10. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 633. Bassler and Moodey, 1943, p. 513.

Silurian, Niagaran, Waldron Shale; Racine Dolomite. United States, Indiana, Illinois

*Homocrinus angustatus* Meek and Worthen, 1870 = *Dendrocrinus angustatus*

*Homocrinus augustatus* Meek and Worthen, 1870 = *Dendrocrinus angustatus*

*Homocrinus constrictus* Hall, 1867 = *Dystactocrinus constrictus*

*Homocrinus crassus* Whiteaves, 1887 = *Botryocrinus crassus* = \**Nuxocrinus crassus*

*Homocrinus curtus* (Müller, 1855) = *Parisocrinus curtus*

*Homocrinus cylindricus* Hall, 1852 = *Botryocrinus?* *cylindricus* = *Thalamocrinus cylindricus* = *T. strimplei*

*Homocrinus depentus* Leuchtenberg, 1843 = *Hoplocrinus dipentus*

*Homocrinus diminutus* Eckert, 1984, p. 31, Pl. 6, figs. 7-9; Fig. 14. Webster, 1988, p. 95.

Silurian, Llandoveryan, Cabot Head Formation. Canada, Ontario

*Homocrinus dipentus* Eichwald, 1859 = *Hoplocrinus dipentus*

*Homocrinus flexuosus* Bigsby, 1868, p. 20.

**Note.** Bigsby attributes authorship of this species to Shumard, but I have found no Shumard reference with this combination of the species *flexuosus* described or listed. I consider this listing an indeterminate error. GDW.

Devonian, Lochkovian, Helderbergian. United States, Missouri

*Homocrinus gracilis* Hall, 1847 = *Dendrocrinus gracilis*

*Homocrinus hartleyi* Ohern, 1913, p. 255, Pl. 40, fig. 6. Bassler and Moodey, 1943, p. 513.

Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland

*Homocrinus kayseri* Jaekel, 1895 = *Follicrinus kayseri*

*Homocrinus laxus* Hall, 1867 = *Heterocrinus laxus* = *Ohiocrinus laxus*

*Homocrinus nucleus* (Hall, 1877) = *Botryocrinus nucleus*

\**Homocrinus parvus* Hall, 1852a, p. 185, Pl. 41, figs. 10a-10f. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255. Kirk, 1914, p. 474, Pl. 42, figs. 1-9. Bassler, 1915, p. 634. Springer, 1920a, p. 177, Pl. 4, fig. 22. Ulrich *in* Foerste, 1925, p. 93, Fig. 10, nos. A-A' (A and B by error). Bassler, 1938, p. 114. Bassler and Moodey, 1943, p. 513. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 4. Moore and Laudon, 1944, p. 145, Pls. 52, fig. 7; 53, fig. 4. Webster, 1973, p. 150. Warn and Strimple, 1977, p. 82, Pl. 11, fig. 19. Ubaghs *in* Moore and Teichert, 1978, p. T114, Fig. 88, no. 3. Moore and Lane *in* Moore and Teichert, 1978, p. T522, Fig. 321, no. 3. Rozhnov, 1981, p. 21, Figs. 5, no. a; 7, no. b. Brett and Eckert, 1982, p. 2, Figs. 3-4, no. D. Webster, 1986, p. 172. Eckert,

1987c, p. 2568, Figs. 1-2. Webster, 1988, p. 95. Webster, 1993, p. 69. Taylor and Brett, 1996, p. 123, Figs. 4, no. C.h; 6, no. A. Brett and Taylor *in* Brett and Baird, 1997, p. 184, Figs. 8.1, no. A; 8.7, no. C. Taylor and Brett *in* Hess et al., 1999 p. 90, Fig. 107, no. b.

Silurian, Niagaran, Wenlockian, Rochester Shale; Lewiston Member, *Homocrinus* Beds; Clinton Formation. Canada, Ontario; United States, New York

*Homocrinus polydactylus* Shumard, 1857 = *Poteriocrinus polydactylus* = *Dendrocrinus polydactylus* = *Cupulocrinus polydactylus*

*Homocrinus polyxo* Wachsmuth and Springer, 1886 = *Botryocrinus polyxo*

*Homocrinus proboscidalis* Hall, 1859b, p. 138, Pl. 35, figs. 24-25. Shumard, 1868, p. 378. Miller, S. A., 1889, p. 255. Ohern, 1913, p. 255, Pl. 40, figs. 4-5. Bassler and Moodey, 1943, p. 513.

Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland

*Homocrinus rhenanus* Jaekel, 1918 = *Eifelocrinus rhenanus*

*Homocrinus scoparius* Hall, 1859 = *Lasiocrinus scoparius*

*Homocrinus tenuis* Bather, 1893 = *Antihomocrinus tenuis*

*Homocrinus* type Bolton, T. E., 1966, p. 8, Pl. 1, fig. 13. Webster, 1977, p. 97. Silurian, Alexandrian, Manitoulin Formation. Canada, Ontario

*Homocrinus* sp.

Ausich, 1996a, p. 958, Fig. 4, nos. 9-13. Ausich, 1997a, p. 293, Fig. 3, nos. 19-23. (diagramatic)

Brett and Taylor *in* Brett and Baird, 1997, p. 190, Fig. 8.4.

Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus* Beds. United States, New York

**HOPLARTHURUM** Moore, 1939. *Nomen vetitum* \**H. canalis* Moore, 1939.

Moore, 1939b, p. 220. Jeffords *in* Moore and Teichert, 1978, p. T937. (radials)

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Kansas

\**Hoplarthrum canalis* Moore, 1939b, p. 220, Pl. 2, figs. 7a-7d.

Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

*Hoplarthrum tenue* Moore, 1939b, p. 221, Pl. 2, figs. 4a-4d.

Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

**HOPLOCRINUS** Grewingk, 1867. \**Apiocrinus dipentus* Leuchtenberg, 1843.



## Sbc. Hybocrinida, F. Hybocrinidae

Grewingk, 1867a, p. 110, Pl. 1, fig. B. Grewingk, 1867b, p. 9. Schmidt, F., 1874, p. 7. Wachsmuth and Springer, 1883a, p. 265, Fig. 2, p. 366; Fig. 2, p. 375.

Wachsmuth and Springer, 1886, p. 197 (121). Bather, 1890b, p. 324. Bather *in* Lankester, 1900, p. 145. Wachsmuth *in* Zittel, 1900, p. 151. Jaekel, 1902, p. 1084, Fig. 18. Springer *in* Zittel, 1913, p. 211. Öpik, 1925, p. 17. Öpik, 1935, p. 1.

Bassler, 1938, p. 114. Bassler and Moodey, 1943, p. 513. Moore and Laudon, 1943b, p. 32. Ubaghs, 1953, p. 749. Moore, 1962b, p. 14, Fig. 8, no. 1. Arendt and Hecker, 1964, p. 82. Neben and Krueger, 1971, p. 4, Pl. 40, figs. 12-15. Webster, 1973, p. 150. Webster, 1977, p. 97. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 109, no. 1. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T570. Etensohn, 1984, p. 65, Fig. 1. Rozhnov, 1985b, p. 14. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 172. Webster, 1988, p. 95. Webster, 1993, p. 70. Simms, 1994b, p. 304, Figs. 1, no. C; 2, no. C. Simms, 1994c, p. 258, Figs. 1, no.

C; 3, no. C. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 13 Ordovician species, 1 Dapingian – Darriwilian, 5 Darriwilian, 5 Sandbian, 2 Sandbian – Katian

Middle - Late Ordovician, Dapingian - Katian. Russia, Europe, United States

*Hoplocrinus dalecarlicus* Regnell, 1948, p. 3, Pl. 1, figs. 1-2; Figs. 1-2. Ubaghs, 1953, p. 749, Fig. 80, no. a. Webster, 1973, p. 150. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 364, nos. 2g-2j. Arendt, 1981, p. 164, Fig. 29, no. g. Webster, 1986, p. 172. Webster, 1988, p. 95.

Ordovician, Darriwilian (Llandeilian), lower part of Chasmops Limestone. Sweden

\**Hoplocrinus dipentas* (Leuchtenberg, 1843). Grewingk, 1867a, p. 105, Pl. 1, figs. 1a-1f. Bather, 1890b, p. 333, Pl. 14, fig. 2. Bather *in* Lankester, 1900, p. 145, Fig. 57. Wachsmuth *in* Zittel, 1900, p. 152, Fig. 256. Springer *in* Zittel, 1913, p. 211, Figs. 312. Öpik, 1926, p. 17, Pl. 2, figs. 12-13. Öpik, 1935, p. 7, Figs. 1, nos. d-e; 2. Bassler and Moodey, 1943, p. 514. Arendt and Hecker, 1964, p. 82, Fig. 116. Webster, 1973, p. 150. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T571, Fig. 364, no. 2a-2b. Webster, 1986, p. 172. Rozhnov, 2007a, p. 269, Fig. 5, nos. a-b.

*Apiocrinites dipentas* Leuchtenberg, 1843, p. 17, Pl. 2, figs. 9-10.

*Apiocrinus dipentas* Leuchtenberg, 1843. Bassler, 1938, p. 114. Bassler and Moodey, 1943, p. 513.

*Homocrinus dipentas* (Leuchtenberg, 1843). Eichwald, 1859, p. 31, figs. 44a-44c. Bassler and Moodey, 1943, p. 514.

*Homocrinus depentas* (Leuchtenberg, 1843). Bigsby, 1868, p. 20 (sic).

*Hybocrinus dipentas* (Leuchtenberg, 1843). Schmidt, F., 1874, p. 3, Pl. 1, figs. 1-6. Bassler and Moodey, 1943, p. 514.

*Hybocrinus* (*Hoplocrinus*) *dipentas* (Leuchtenberg, 1843). Zittel, 1895, p. 134. Ordovician, Darriwilian, Duboviki Formation. Estonia

*Hoplocrinus* cf. *dipentas* (Leuchtenberg, 1843) aberr. 1. Rozhnov, 2007a, p. 269, Fig.

- 5, no. c.  
Ordovician, Darriwilian, Aseri regional stage. Russia
- Hoplocrinus* cf. *dipentas* (Leuchtenberg, 1843) aberr. 2. Rozhnov, 2007a, p. 269, Fig. 5, nos. g-h.  
Ordovician, Darriwilian, Aseri regional stage. Russia
- Hoplocrinus* cf. *dipentas* Öpik, 1935 = *Hoplocrinus symmetricus*
- Hoplocrinus estonus* Öpik, 1935, p. 9, Pl. 1, figs. 1-4; Fig. 1, no. c; 3. Bassler and Moodey, 1943, p. 514. Miannil, 1959, p. 82, figs. 1i-m, 2. Arendt and Hecker, 1964, p. 92, Pl. 8, fig. 3. Webster, 1973, p. 150. Ubaghs *in* Moore and Teichert, 1978, p. T93, Fig. 70, no. 1. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 354, no. 2e. Rozhnov, 1985b, p. 6, Fig. 2, no. b. Rozhnov, 1986, p. 3, Fig. 2, no. b. Webster, 1986, p. 172. Webster, 1988, p. 95. Webster, 1993, p. 70. Rozhnov, 2002, p. S557, Fig. 25, no. b (diagramatic).  
Ordovician, Sandbian, Jewe Beds. Estonia
- Hoplocrinus grewingki* Öpik, 1925, p. 17, Pl. 2, figs. 14-15. Öpik, 1935, p. 11, Pl. 2, figs. 1-3. Bassler and Moodey, 1943, p. 514. Kaljo, 1958, p. 43, Fig. 21. Miannil, 1959, p. 83, Pl. 2, fig. 3; Fig. 1, no. e. Webster, 1973, p. 150.  
Ordovician, Sandbian, Kuckers Shale; Itfer Beds. Estonia
- Hoplocrinus heckeri* Miannil, 1959, p. 87, Pl. 1, fig. 1. Webster, 1973, p. 150.  
Ordovician, Darriwilian, Ukhaku Horizon. Estonia
- Hoplocrinus laevis* Miannil, 1959, p. 89, Pl. 1, figs. 3-4; Fig. 1, nos. v-g. Webster, 1973, p. 150. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T571, Fig. 364, nos. 2c-2d. Webster, 1986, p. 173.  
Ordovician, Sandbian – Katian, Keyla Horizon. Estonia
- Hoplocrinus oanduensis* Miannil, 1959, p. 91, Pl. 1, figs. 5-6. Webster, 1973, p. 150.  
Ordovician, Sandbian – Katian, Oandu Horizon. Estonia
- Hoplocrinus pseudodicycliticus* Öpik, 1935, p. 12, Pl. 1, fig. 5; Fig. 4. Bassler and Moodey, 1943, p. 514. Miannil, 1959, p. 83, Fig. 1, no. b. Webster, 1973, p. 150.  
Ordovician, Sandbian, Kuckers Shale. Estonia
- Hoplocrinus symmetricus* Miannil, 1959, p. 88, Pl. 1, fig. 2; Fig. 1, no. a. Webster, 1973, p. 150.  
*Hoplocrinus* cf. *dipentas* Öpik, 1935. Miannil, 1959, p. 88. Webster, 1973, p. 150.  
*Hybocrinus* sp. Öpik, 1925. Miannil, 1959, p. 88. Webster, 1973, p. 150.  
Ordovician, Darriwilian, Ukhaku Horizon. Estonia
- Hoplocrinus tallinnensis* Öpik, 1935, p. 11, Pl. 2, fig. 4. Bassler and Moodey, 1943, p. 514. Miannil, 1959, p. 83, Fig. 1, no. zh. Webster, 1973, p. 150. Sprinkle and

- Moore *in* Moore and Teichert, 1978, p. T572, Fig. 364, no. 2f. Webster, 1986, p. 173.  
Ordovician, Sandbian, Kuckers Shale. Estonia
- Hoplocrinus tuberculatus* Miannil, 1959, p. 980, Pl. 2, figs. 4-5; Figs. 1, no. d; 3.  
Webster, 1973, p. 150.  
Ordovician, Sandbian, Keyla Horizon. Estonia
- Hoplocrinus usvensis* Rozhnov, 1985b, p. 14, Pl. 1, figs. 1-3; Figs. 1, no. b; 7, nos. a-m.  
Rozhnov, 1986, p. 9, Pl. 1, figs. 1-3; Figs. 1, no. b; 7. Webster, 1988, p. 95.  
Webster, 1993, p. 70. Rozhnov, 2002, p. S544, Figs. 16; 44, no. b (diagramatic).  
Ordovician, Dapingian-Darriwilian, Cherdyn-Typyl Horizon. Estonia; Russia,  
St. Petersburg region; Ural Mountains
- Hoplocrinus vasalemmaensis* Miannil, 1959, p. 92, Pl. 2, figs. 2-3; Fig. 1, no. z.  
Webster, 1973, p. 151.  
Ordovician, Darriwilian, Katian, Oandu Horizon. Estonia
- ?*Hoplocrinus* sp. A Lane, N. G., 1970a, p. 12, Pl. 1, figs. 2-3. Webster, 1977, p. 97.  
Ordovician, Llanvirnian, Kanosh Shale. United States, Utah
- Hoplocrinus* sp. 1 Rozhnov, 2007a, p. 2 69, Fig. 5, nos. I-j.  
Middle Ordovician, Darriwilian, Aseri regional stage. Russia
- Hoplocrinus* sp. 2 Rozhnov, 2007a, p. 2 71, Fig. 5, nos. d-f.  
Middle Ordovician, Darriwilian, Aseri regional stage. Russia
- Hoplocrinus?* sp. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 364,  
nos. 2k-2l. Webster, 1986, p. 173.  
Middle Ordovician. Dapingian, United States, Utah
- HORMOCRINUS** Springer, 1920. \**Centrocrinus tennesseensis* Worthen, 1890.  
Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Nipterocrinidae  
Springer, 1920a, p. 166. Springer, 1926a, p. 66. Bassler, 1915, p. 885. Bassler,  
1938, p. 114. Bassler and Moodey, 1943, p. 514. More and Laudon, 1943b, p.  
74, Fig. 11. More and Laudon, 1944, p. 181, Pl. 66, fig. 2. Ubaghs, 1953, p. 756.  
Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 151. Moore *in* Moore and  
Teichert, 1978, p. T779, Figs. 506, no. 3b; 507, no. 2c; 509, no. 3b. Smith, A. B.,  
1985, p. 174. Webster, 1986, p. 173. Webster, 1988, p. 95. Ausich and Copper,  
2010, p. 59. Donovan et al., 2010, p. 101.  
**ORMOCRINUS** Bassler, 1915, p. 885 (genus attributed to Springer in press).  
\**Centrocrinus tennesseensis* Worthen, 1890. Bassler, 1938, p. 141.  
Named, currently recognized species based on cups or crowns: 4 Silurian species, 1  
Llandoveryan, 1 Niagaran, 2 Wenlockian  
Middle Silurian. Europe; United States

- Hormocrinus anglicus* Springer, 1920a, p. 168, Pl. 14, figs. 6-7. Bassler and Moodey, 1943, p. 514. Smith, A. B., 1985, p. 174, Pl. 7.4.44. Webster, 1988, p. 95. Donovan et al., 2007, p. 49, Fig. 9, no. D. Donovan et al., 2010, p. 102, Pl. 27, fig. 2; Fig. 43, nos. A-B.  
Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Shropshire
- Hormocrinus gotlandicus* Springer, 1920a, p. 169, Pl. 14, figs. 8a-8d. Bassler and Moodey, 1943, p. 514.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Hormocrinus quebecensis* Ausich and Copper, 2010, p. 60, Pl. 12, fig. 5; Figs. 10.5-10.6.  
Silurian, Llandoveryan, Jupiter Formation, East Point Member. Canada, Quebec, Anticosti Island
- \**Hormocrinus tennesseensis* (Worthen, 1890). Springer, 1920a, p. 167, Pl. 14, figs. 1-5. Springer, 1926a, p. 66, Pl. 22, figs. 1-3b. Bassler and Moodey, 1943, p. 514. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 2. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 6. Webster, 1973, p. 151. Moore *in* Moore and Teichert, 1978, p. T780, Figs. 519, no. 4; 520, no. 2. Webster, 1986, p. 173.  
*Centrocrinus tennesseensis* Worthen *in* Miller, S. A., 1889, p. 231 (*nomen nudum*). Worthen, 1890, p. 95, Pl. 14, fig. 1. Bassler, 1938, p. 114. Bassler and Moodey, 1943, p. 514.  
? *Idiocrinus tennesseensis* (Worthen, 1890). Wachsmuth and Springer, 1897, p. 206, Pl. 18, fig. 11. Bassler and Moodey, 1943, p. 514.  
*Ormocrinus tennesseensis* (Worthen, 1890). Bassler, 1915, p. 885.  
Silurian, Niagaran, Beech River Formation, Brownsport Limestone. United States, Tennessee
- HOSIEOCRINUS** Wright, 1952. \**Tribrychocrinus caledonicus* Wright, 1936.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Phanocrinidae  
Wright, J., 1952a, p. 137. Webster, 1973, p. 151. Moore and Strimple *in* Moore and Teichert, 1978, p. T693. Arendt, 1981, p. 21. Webster, 1986, p. 173. Webster, 1988, p. 95. Lane and Sevastoplulo, 1990, p. 336. Webster, 1993, p. 70.  
Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species  
Mississippian, Viséan. United Kingdom, Scotland
- \**Hosieocrinus caledonicus* (Wright, 1936). Wright, J., 1952a, p. 137, Pl. 38, figs. 5-9, 11-17, 19-21, 23-24. Webster, 1973, p. 151. Moore and Strimple *in* Moore and Teichert, 1978, p. T693, Fig. 447, no. 2. Arendt, 1981, p. 21, Fig. 5, nos. l-zh. Webster, 1986, p. 173. Webster, 1988, p. 95.  
*Tibrachiocrinus caledonicus* Wright, J., 1936, p. 402, Pl. 10, figs. 3, 8, 10. Wright, J., 1939, p. 41, Pls. 6, figs. 1, 3, 9, 12-18; 12, fig. 24. Bassler and Moodey, 1943, p.

715.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

**HUQFICRINUS** Webster, Angiolini, and Tintori, 2009. \**Huqficrinus biserialis* Webster, Angiolini, and Tintori, 2009.

Sbc. Cladid, O. Dendrocrinoidea, Spf. Scytalocrinoidea, F. Blothrocrinidae  
Webster et al., 2009, p. 34, Fig. 3.

Named, currently recognized species based on cups or crowns: 1 Permian,  
Sakmarian species  
Permian, Sakmarian. Oman

\**Huqficrinus biserialis* Webster et al., 2009, p. 324 Pl. 1, figs. 3-5.  
Permian, Sakmarian, Saiwan Formation. Oman

**HUTKOCRINUS** Webster, 2003. \**Hutkocrinus kermanensis* Webster et al, 2003 OD.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Corythocrinidae  
Webster et al., 2003, p. 31.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species  
Mississippian, Tournaisian. Iran, Kerman Province

\**Hutkocrinus kermanensis* Webster et al., 2003, p. 31, Figs. 16.2, 18..  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

**HYBOCHILOCRIINUS** Weller, 1930 = **ALLAGECRINUS**

*Hybochilocrinus americanus* (Rowley, 1895) = *Allagecrinus americanus*

*Hybochilocrinus americanus* Sieverts-Doreck, 1960 = *Allagecrinus rowleyi*

*Hybochilocrinus rowleyi* (Peck, 1936) = *Allagecrinus rowleyi*

Hybocrinida Rozhnov, 2002, p. S538, Fig. 10. (diagramatic)

**HYBOCRINUS** Billings, 1857. \**H. conicus* Billings, 1857.

Sbc. Hybocrinida, F. Hybocrinidae

Billings, E., 1857a, p. 275. Billings, E., 1859a, p. 23. Grewingk, 1867a, p. 102, Pl. 1,  
fig. A. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Schmidt, F., 1874, p. 5.

Zittel, 1880, p. 350. Wachsmuth and Springer, 1880 (1879), p. 74. Wachsmuth and  
Springer, 1883b, p. 265, Fig. 3, p. 366. Wachsmuth and Springer, 1886, p. 198  
(297). Miller, S. A., 1889, p. 255. Bather, 1890b, p. 324. Zittel, 1895, p. 134.  
Koken, 1896, p. 281. Bather *in* Lankester, 1900, p. 145. Wachsmuth *in* Zittel,  
1900, p. 151. Jaekel, 1902, p. 1084, Fig. 19. Delage and Herouard, 1903, p. 378.  
Grabau and Shimer, 1910, p. 500. Springer *in* Zittel, 1913, p. 211. Bassler, 1915,  
p. 653. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 515. Moore and  
Laudon, 1943b, p. 32, Fig. 3. Moore and Laudon, 1943b, 1944, p. 151, Pl. 52,  
fig.

3. Termier, G. and Termier, H., 1947, Pl. 19, fig. 39. Cuénot, 1948, p. 56, Fig. 70.

- Ubaghs, 1953, p. 749. Moore, 1962b, p. 14, Fig. 7, no. 1. Philip, 1963, Fig. 3, no. e. Yakovlev, 1964b, p. 64, Fig. 82. Arendt and Hecker, 1964, p. 82. Webster, 1973, p. 151. Strimple, 1975m, p. 53. Webster, 1977, p. 97. Frest and Strimple, 1978b, p. 159, Fig. 2, no. b. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T570. Sprinkle, 1982, p. 119. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 173.
- Rozhnov, 1988, p. 67. Rozhnov, 1989, p. 62. Webster, 1988, p. 95. Webster, 1993, p. 70. Ausich, 1998b, p. 36.
- INDIANOCRINUS* Miller and Gurley, 1895b, p. 83. \**I. punctatus* Miller and Gurley, 1895. Miller, S. A., 1897, p. 748. Bather *in* Lankester, 1900, p. 145. Bassler, 1915, p. 665. Bassler, 1938, p. 118. Bassler and Moodey, 1943, p. 515. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T570.
- Named, currently recognized species based on cups or crowns: 10 Ordovician species, 8 Sandbian, 2 Katian  
Ordovician, Sandbian - Katian. North America
- Hybocrinus bilateralis* Guensburg, 1984, p. 51, Pls. 9, figs. 8, 10-11, 16, 18-19; 10, figs. 1-11, 13-16, 18, 21-22. Webster, 1988, p. 95. Guensburg, 1992a, p. 132, Figs. 4, no. 6; 8, no. 3; 9, nos. 9-13; 10 (diagramatic); 16, no. d.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- \**Hybocrinus conicus* Billings, E., 1857a, p. 274. Billings, E., 1859a, p. 29, Pl. 2, figs. 2a-2b. Grewingk, 1867a, p. 102. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255, Fig. 341. Bather *in* Lankester, 1900, p. 125, Fig. 36. Springer, 1911b, p. 24, Pl. 5, fig. 6. Bassler, 1915, p. 654. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 515. Moore and Laudon, 1944, p. 151, Pl. 53, fig. 22. Wilson, A. E., 1946, p. 30. Ubaghs, 1953, p. 749, Figs. 141-142. Webster, 1973, p. 151. Kolata, 1975, p. 28, Pl. 4, fig. 7. Ubaghs *in* Moore and Teichert, 1978, p. T178, Fig. 148, no. 8. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T570, Fig. 364, no. 1. Arendt, 1981, p. 164, Fig. 29, no. d. Rozhnov, 1985b, p. 5, Fig. 1, no. a. Rozhnov, 1986, p. 1, Fig. 1, no. a. Webster, 1986, p. 173. Webster, 1988, p. 95. Brower, 1992b, p. 973, Figs. 1-2. Webster, 1993, p. 70. Simms *in* Hess et al., 1999 p. 36, Fig. 60, nos. a-b. Rozhnov, 2002, p. S585, Fig. 44, no. a. Brower, 2006, p. 431, Figs. 1, nos. 1, 8-9. Sloan, 2005, p. 153, Figs. 4-60, no. 11; 4-61, no. 5.
- Ordovician, Katian (Trentonian), Hull Limestone; Curdsville Limestone; Cobourg Limestone; Dunleith Formation, upper part of Beecher Member, Sherwood Member, Mortimer Member. Canada, Ontario; United States, Kentucky, Illinois, Iowa
- Hybocrinus crinerensis* Strimple and Watkins, 1949, p. 132, Pl. 1, figs. 4-8. Webster, 1973, p. 151. Sprinkle, 1982, p. 127, Pls. 7, figs. 19-20; 8, figs. 5-35; Fig. 40, nos. J-P. Webster, 1988, p. 96.
- Ordovician, Sandbian (Champlainian), Bromide Formation, upper part of Pooleville Member. United States, Oklahoma
- Hybocrinus dipentas* (Leuchtenberg, 1843) = *Homocrinus dipentas* = *Hoplocrinus dipentas*

*Hybocrinus (Hoplocrinus) dipentas* (Leuchtenberg, 1843) = *Hoplocrinus dipentas*

*Hybocrinus? (Anomalocrinus) incurvus* (Meek and Worthen, 1865) = *Anomalocrinus incurvus*

*Hybocrinus nitida* Sinclair, 1945 = *Hybocrinus nitidus*

*Hybocrinus nitidus* Sinclair, 1945, p. 713, Pl. 2, figs. 1-4. Webster, 1973, p. 151. Sprinkle, 1982, p. 121, Pls. 3, figs. 1-5, 8-9; 7, figs. 1-18, 21-39; 8, figs. 1-4; Fig. 40, nos. A-I. Rozhnov, 1985b, p. 6, Fig. 2, no. a. Rozhnov, 1986, p. 3, Fig. 2, no. a. Webster, 1986, p. 174. Webster, 1988, p. 96. Webster, 1993, p. 70. Rozhnov, 2002, p. S557, Fig. 25, no. a (diagramatic).

*Hybocrinus nitida* Sinclair, 1945. Frest and Strimple, 1978b, p. 159, Pl. 1, figs. g-lv (sic).

Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Hybocrinus perperamnomnatus* Brower and Veinus, 1974, p. 36, Pl. 3, figs. 2-4.

Webster, 1986, p. 174.

Ordovician, Sandbian, Benbolt Formation. United States, Virginia

*Hybocrinus pristinus* Billings, E., 1858, p. 25, Figs. 4-5. Billings, E., 1859a, p. 23, Pl. 1, fig. 2a. Grewingk, 1867a, p. 103. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255. Grabau and Shimer, 1910, p. 501. Bassler, 1915, p. 654. Bassler and Moodey, 1943, p. 515.

Ordovician, Sandbian (Chazyan), Aylmer Formation. Canada, Quebec

*Hybocrinus punctatocristatus* Brower and Veinus, 1974, p. 34, Pl. 3, figs. 6a-6b.

Webster, 1986, p. 174.

Ordovician, Sandbian, Benbolt Formation, Dryden Limestone. United States, Virginia

*Hybocrinus punctatus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 515.

Brower and Veinus, 1974, p. 30, Pls. 4; 5, figs. 1-3. Brower and Veinus, 1975, p. 129, Figs. 1, 3-4. Webster, 1986, p. 174.

*Indianocrinus punctatus* Miller and Gurley, 1895b, p. 83, Pl. 5, figs. 8-13. Miller, S. A., 1897, p. 748, Fig. 1362. Bassler, 1915, p. 665. Bassler, 1938, p. 118. Bassler and Moodey, 1943, p. 515.

Ordovician, Sandbian, Black Riveran, Benbolt Formation; Wardell Formation; Lincolnshire Formation, Hogskin Member; Ottosee Shale or Siever Shale; ?Red Knobs Formation. United States, Tennessee (Locality corrected by E. Kirk in Bassler and Moodey, 1943, p. 51), Virginia

*Hybocrinus pyxidatus* Sinclair, 1945, p. 713, Pl. 2, figs. 5-7. Webster, 1973, p. 151.

Ordovician, Sandbian (Champlainian), Bromide Formation. United States, Oklahoma

*Hybocrinus tumidus* Billings, E., 1857a, p. 275. Billings, E., 1859a, p. 28, Pl. 2, figs. 1a-

1e. Grewingk, 1867a, p. 103. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Wetherby, 1880b, p. 152, Pl. 5, fig. 2a-2c. Carpenter, P. H., 1882, p. 298, Pl. 11, figs. 3-5; Fig. A. Miller, S. A., 1889, p. 255. Grabau and Shimer, 1910, p. 501, Fig. 1812. Bassler, 1915, p. 654. Bassler and Moodey, 1943, p. 515. Moore and Laudon, 1944, p. 151, Pl. 53, fig. 3. Wilson, A. E., 1946, p. 31. Webster, 1973, p. 151. Strimple, 1975m, p. 51, Fig. 1. Parsley, 1981, p. 3, Pl. 1, figs. 6, 9. Webster, 1986, p. 174. Webster, 1988, p. 96.  
Ordovician, Katian (Champlainian), Hull Limestone; Lexington Limestone, Curdsville Limestone Member; Cobourg Limestone; Sherman Fall Formation. Canada, Ontario; United States, Kentucky

'*Hybocrinus*' sp. A Lane, N. G., 1970a, p. 9, Pl. 1, fig. 8; Fig. 2, no. E (basal and radial plates). Webster, 1977, p. 97. Donovan, 1988c, p. 238. Webster, 1993, p. 70. Ordovician, Tremadocian-Floian (Arenigian) boundary. United States, Utah

*Hybocrinus* sp. Öpik, 1925 = *Hoplocrinus symmetricus*

*Hybocrinus* spp.

Améziac-Cominardi and Roux, 1994, p. 186, Fig. 1, no. 1. (diagramatic)

Ordovician

Guensburg, 1995, p. 77, Fig. 2.

Ordovician

Guensburg and Sprinkle, 2009, p. 361, Fig. 10.13. Guensburg et al., 2010, p. 435,

Fig. 5, no. E.

Late Ordovician, no locality given

*HYBOCYSTES* Wachsmuth, 1900 = ***HYBOCYSTITES***

*HYBOCYSTITIS* Bather, 1890 = ***HYBOCYSTITES***

*Hybocystis eldonensis* Parks, 1908 = *Hybocystites eldonensis*

*Hybocystis eldonensis* Springer, 1911 (*non* Parks, 1908) = *Hybocystites problematicus*

*Hybocystis problematicus* Bather *in* Lankester, 1900 (*non* Wetherby, 1880) =

*Hybocystites problematicus*

*Hybocystis problematicus* Parks, 1908 (*non* Wetherby, 1880) = *Hybocystites eldonensis*

***HYBOCYSTITES*** Wetherby, 1880. \**H. problematicus* Wetherby, 1880.

Sbc. Hybocrinida, F. Hybocystitidae

Wetherby, 1880b, p. 150. Carpenter, P. H., 1882, p. 308. Wachsmuth and

Springer, 1886, p. 199 (123). Miller, S. A., 1889, p. 256. Jaekel, 1902, p. 1084,

Fig. 17. Bassler, 1915, p. 654. Jaekel, 1918, p. 90. Bassler, 1938, p. 115.

Bassler and Moodey, 1943, p. 515. Moore and Laudon, 1943b, p. 32. Moore and

Laudon, 1944, p. 151, Pl. 52, fig. 3. Ubaghs, 1953, p. 749. Moore, 1962b, p. 14,

Fig. 8, no. 3. Webster, 1973, p. 151. Strimple, 1975m, p. 52. Webster, 1977, p.



97. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 109, nos. 3-4. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 174. Ausich, 1988, p. 913, Fig. 2, no. 14. Broadhead, 1988, p. 121, Fig. 7, no. C. Webster, 1988, p. 96. Webster, 1993, p. 70. Ausich, 1998b, p. 36. Rozhnov, 2002, p. 611, Fig. 59, no. b (diagramatic).
- HYBOCYSTIS* Bather, 1890b, p. 324. Bather *in* Lankester, 1900, p. 145. Springer, 1911b, p. 13. Springer *in* Zittel, 1913, p. 211. Bassler, 1915, p. 654. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 515. Cuénot, 1948, p. 60. Webster, 1973, p. 152. Smith, A. B., 1985, p. 170.
- HYBOCYSTES* Wachsmuth *in* Zittel, 1900, p. 152.
- Named, currently recognized species based on cups or crowns: 2 Ordovician species, 1 Sandbian – Katian, 1 Katian
- Late Ordovician, Sandbian - Katian. North America
- Hybocystites eldonensis* (Parks, 1908). Bassler, 1915, p. 654. Bassler and Moodey, 1943, p. 515. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 8. Moore and Laudon, 1944, p. 151, Pl. 53, fig. 1. Ubaghs, 1953, p. 749, Figs. 143-144. Webster, 1973, p. 152. Brett and Liddell, 1978, p. 338, Figs. 5, no. 8; 7-9. Ubaghs *in* Moore and Teichert, 1978, p. T138, T179, T208, Figs. 109, nos. 5-6; 151, no. 4; 174, no. 11. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T574, Fig. 365, nos. 1c-1j. Arendt, 1981, p. 164, Fig. 29, nos. e-zh. Rozhnov, 1985b, p. 5, Fig. 1, no. d. Rozhnov, 1986, p. 1, Fig. 1, no. e. Webster, 1986, p. 174. Webster, 1988, p. 96. Webster, 1993, p. 70. Brett and Taylor, *in* Hess et al., 1999 p. 69, Fig. 79. Rozhnov, 2002, p. 584, Fig. 44, no. e.
- Hybocystis eldonensis* Parks, 1908, p. 234, Pl. 2, fig. 4. Springer, 1911b, p. 13, Pl. 2, figs. 1-10 only. Bassler and Moodey, 1943, p. 515. Cuénot, 1948, p. 55, Fig. 69. Smith, A. B., 1985, p. 170, Pl. 7.4.22.
- Hybocystis problematicus* Parks, 1908, p. 232, Pl. 2, figs. 1-3, 5 (*non* Wetherby, 1880). Bassler and Moodey, 1943, p. 516.
- Ordovician, Sandbian – Katian (Trentonian), Bobcaygeon Formation; Hull Limestone; Curdsville Limestone. Canada, Ontario; United States, Kentucky
- \**Hybocystites problematicus* Wetherby, 1880b, p. 150, Pl. 5, figs. 1a-1c. Carpenter, P. H., 1882, p. 307, Pl. 11, figs. 6-24. Miller, S. A., 1889, p. 256, Fig. 342. Bassler, 1915, p. 655. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 516. Regnell, 1948, p. 9, Fig. 3, no. B. Ubaghs, 1953, p. 749, Fig. 80, no. c. Webster, 1973, p. 152. Strimple, 1975m, p. 51, Fig. 1. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 365, nos. 1a-1b. Parsley, 1981, p. 4, Pl. 1, figs. 7-8, 10. Arendt, 1981, p. 164, Fig. 29, no. b. Webster, 1986, p. 174. Webster, 1988, p. 96.
- Hybocystis problematicus* Bather *in* Lankester, 1900, p. 95, Fig. 1. Parks, 1908, p. 232, Pl. 2, figs. 1-3, 5. Bassler, 1915, p. 655. Bassler and Moodey, 1943, p. 516.
- Hybocystis eldonensis* Springer, 1911b, p. 13, Pl. 2, figs. 11-12 only. Bassler, 1915, p. 655.

Ordovician, Katian (Champlainian), Lexington Limestone, Curdsville Limestone Member; Hull Limestone. United States, Kentucky; Canada, Ontario

*Hybocystites* sp. Sprinkle, 1973a, p. 24, Fig. 8. Webster, 1977, p. 97.  
Ordovician, Sandbian – Katian (Champlainian). Canada, Ontario

*HYDREINOCRINUS* Marschall, 1873 = ***HYDREIONOCRINUS***

***HYDREIONOCRINUS*** de Koninck, 1858. \**H. woodianus* de Koninck, 1858.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Hydreionocrinoidea, F. Hydreionocrinidae

de Koninck, 1858a, p. 93. de Koninck, 1858b, p. 147, Unnum. Fig. p. 147. Dujardin and Hupé, 1862, p. 218. Meek, 1874, p. 485. Zittel, 1880, p. 344, 361.

Wachsmuth and Springer, 1880 (1879), p. 129 (352). Wachsmuth and Springer, 1886, p. 245 (169). Miller, S. A., 1889, p. 256. Zittel, 1895, p. 137. Bather, 1916a,

p. 61. Springer *in* Zittel, 1913, p. 223. Wanner, 1916, p. 150. Wright, J., 1917-1918, p. 364. Wanner, 1924, p. 178. Springer, 1926b, p. 65. Wright, J., 1927, p. 368. Moore and Plummer, 1938, p. 268. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 516. Moore and Laudon, 1943b, p. 56, Fig. 6. Webster, 1973, p. 152. Moore and Strimple *in* Moore and Teichert, 1978, p. T704. Webster, 1986, p. 174. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 70.

*HYDREINOCRINUS* Marschall, 1873, p. 450. Bassler, 1938, p. 115. Bassler and Moodey, 1943, p. 516. Moore and Strimple *in* Moore and Teichert, 1978, p. T704.

Named, currently recognized species based on cups or crowns: 8 Mississippian species, 1 Tournaisian, 1 Tournaisian – Viséan, 5 Viséan, 1 Viséan – Serpukhovian

Mississippian, Tournaisian - Serpukhovian. Europe

*Hydreionocrinus acanthophorus* Keyes, 1894 = *Sciadiocrinus acanthophorus*

*Hydreionocrinus?* *acanthophorus* (Meek and Worthen, 1870) = \**Sciadiocrinus acanthophorus*

*Hydreionocrinus amarassicus* Wanner, 1916 = *Cadocrinus amarassicus*

*Hydreionocrinus amplus* Wright, 1951 = *Derbiocrinus* cf. *amplus*

*Hydreionocrinus amplus?* Wright, J., 1951b, p. 87, Pl. 16, figs. 7, 11. Webster, 1973, p. 152.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Hydreionocrinus* cf. *amplus* Wright, J., 1951b, p. 87, Pl. 14, figs. 17-18. Webster, 1973, p. 152.

*Poteriocrinus granulatus* Phillips, M'Coy *in* Sedgwick and M'Coy, 1851, p. 116.

Wright, J., 1951b, p. 87. Webster, 1973, p. 152.

Mississippian, Viséan. United Kingdom

- Hydreionocrinus armiger* (Meek and Worthen, 1870) = *Tholocrinus armiger*
- Hydreionocrinus armiger* Wetherby, 1881 (part) = *Tholocrinus armiger*
- Hydreionocrinus artus* Wright, 1945 = *Adinocrinus artus*
- Hydreionocrinus balladoensis* Wright, 1942 = *Hydreionocrinus balladoolensis*
- Hydreionocrinus balladoolensis* Wright, J., 1942, p. 277, Pl. 11, figs. 18, 22. Wright, J., 1951b, p. 90, Pl. 15, figs. 9, 11. Webster, 1973, p. 152.  
*Hydreionocrinus balladoensis* Wright, J., 1942. Moore, 1948, p. 390, Fig. 11 (sic).  
 Mississippian, Viséan. United Kingdom
- Hydreionocrinus crassidiscus* Miller and Gurley, 1894 = *Plaxocrinus crassidiscus*
- Hydreionocrinus daileyi* Strimple, 1940 (part) = *Lasanocrinus daileyi*
- Hydreionocrinus daileyi* Moore and Plummer, 1940 (part) = *Lasanocrinus nodatus*
- Hydreionocrinus daileyi* Moore and Plummer, 1940 (part) = *Lasanocrinus multinodulus*
- Hydreionocrinus depressus* Wetherby, 1881 = *Tholocrinus spinosus*
- Hydreionocrinus depressus* (Troost, 1849) = *Xystocrinus depressus* = *Zeacrinites depressus* = *Tholocrinus depressus*
- Hydreionocrinus deweyensis* Strimple, 1939 = *Bathronocrinus deweyensis*
- Hydreionocrinus discus* (Meek and Worthen, 1860) = *Plaxocrinus discus*
- Hydreionocrinus formosus* Wright, J., 1939, p. 37, Pl. 4, figs. 6, 10-13. Bassler and Moodey, 1943, p. 516. Wright, J., 1951b, p. 89, Pl. 16, figs. 2, 5, 10. Webster, 1973, p. 152.  
*Hydreionocrinus* No. 2 sp. Wright, J., 1925, p. 28. Wright, J., 1951b, p. 89. Webster, 1973, p. 152.  
*Hydreionocrinus* sp. Tait and Wright, 1923, p. 173. Wright, J., 1927, p. 370, Fig. 63, only. Wright, J., 1951b, p. 89. Webster, 1973, p. 152.  
 Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Hydreionocrinus?* *globularis* de Koninck, 1858 = *Ulocrinus globularis* = *Ureocrinus bockschii* = *Ureocrinus globulus*
- Hydreionocrinus?* *globulus* de Koninck, 1858 = *Ureocrinus globulus*

- Hydreionocrinus goniodactylus* (de Koninck and Wood, 1858). Wright, J., 1951b, p. 82, Pl. 15, figs. 1-3, 13-14. Webster, 1973, p. 152. Ubaghs in Moore and Teichert, 1978, p. T145, Fig. 120, no. 2. Webster, 1986, p. 174.
- Woodocrinus goniodactylus* de Koninck and Wood, 1858a, p. 78. de Koninck and Wood, 1858b, p. 13 (*nomen nudum*). Bassler and Moodey, 1943, p. 724. Wright, 1951b, p. 82.
- Hydreionocrinus woodianus* de Koninck, 1858. Wright, J., 1945, p. 119, Pl. 2, figs. 1-4. Moore, 1948, p. 390, Fig. 11. Wright, J., 1951, p. 82. Ubaghs, 1953, p. 700, Fig. 56, no. a. Webster, 1973, p. 152.
- Carboniferous, Viséan - Serpukhovian, Lower Limestone Group, red beds above Main Limestone. United Kingdom, Scotland
- Hydreionocrinus granuliferus* Miller and Gurley, 1894 = *Perimestocrinus granuliferus*
- Hydreionocrinus kansasensis* Weller, 1898 = *Neozeacrinus kansasensis* = *Plaxocrinus kansasensis* = *Schistocrinus kansasensis* = *Sciadiocrinus kansasensis*
- Hydreionocrinus mucrospinus* (McChesney, 1860) = *Aatocrinus mucrospinus*
- Hydreionocrinus mucrospinus* Smith, 1897 = *Aatocrinus mucrospinus*
- Hydreionocrinus nitidus* Wright, 1951 = *Intermediocrinus nitidus*
- Hydreionocrinus noduliferus* Miller and Gurley, 1894 = *Perimestocrinus noduliferus*
- Hydreionocrinus parkinsoni* Wright, J., 1942, p. 277, Pls. 9, fig. 6; 11, figs. 20-21. Wright, J., 1951b, p. 89, Pl. 15, figs. 4-6. Wright, J., 1952c, p. 406, Pl. 11, figs. 1-11; Figs. 1-3. Wright, J., 1960, p. 331, Appendix, Pl. A, figs. 5-6. Webster, 1973, p. 153. Westhead, 1978, p. 475. Donovan, 1992c, p. 37, Fig. 3, nos. H-J. Ausich and Kammer, 2006, p. 105 (considered indeterminate).  
Mississippian, Tournaisian. United Kingdom, Scotland
- Hydreionocrinus patulus* Girty, 1911 = *Aatocrinus patulus*
- Hydreionocrinus pentagonus* Miller and Gurley, 1890 = *Adinocrinus pentagonus* = *Sciadiocrinus pentagonus*
- Hydreionocrinus phillipsianus* (de Koninck and Le Hon, 1854). de Koninck, 1858a, p. 96. Bather, 1916a, p. 69, Fig. 6. Bassler and Moodey, 1943, p. 516.
- Poteriocrinus phillipsianus* de Koninck and Le Hon, 1854, p. 88, Pl. 1, figs. 5a-5b. Bather, 1916a, p. 69. Bassler and Moodey, 1943, p. 516.
- Poteriocrinus granulosus* Phillips, 1836, p. 205, Pl. 4, fig. 2 only. Austin and Austin, 1846, p. 77, Pl. 9, figs. 2a-2f. Bassler and Moodey, 1943, p. 517.
- Mississippian, Tournaisian - Viséan, Mountain Limestone. United Kingdom, Scotland,;Belgium
- Hydreionocrinus sanctiludovici* (Worthen, 1889) = *Plaxocrinus?? sanctiludovici*

*Hydreionocrinus sancti-ludovici* Miller and Gurley, 1894 = *Plaxocrinus?? sanctiludovici*

*Hydreionocrinus scoticus* de Koninck, 1858 = *Phanocrinus calyx* = *P. scoticus*

*Hydreionocrinus spinosus* Wood, 1909 = *Tholocrinus spinosus*

*Hydreionocrinus subsinuatus* Miller and Gurley, 1894 = *Plaxocrinus subsinuatus* =  
*Laudonocrinus subsinuatus*

*Hydreionocrinus uddeni* Weller, 1909 = *Plaxocrinus uddeni* = *Neozeacrinus uddeni*

*Hydreionocrinus variabilis* Wanner, 1916 = *Cadocrinus variabilis*

*Hydreionocrinus ?verrucosus* White and St. John, 1868 = *Parulocrinus verrucosus* =  
*Aglaoocrinus verrucosus*

*Hydreionocrinus verrucosus* Bather, 1920b (*non* White and St. John, 1868), p. 203,  
figs. 1-3. Bassler and Moodey, 1943, p. 517. Wright, J., 1951b, p. 91, Pl. 15,  
figs. 8, 12. Webster, 1973, p. 153 (probably a cromyocrinid, GDW). Ausich and  
Kammer, 2006, p. 105 (considered indeterminate).  
Mississippian, Viséan, Poolvash Limestone. Isle of Man

*Hydreionocrinus wetherbyi* Wachsmuth and Springer, 1886 = *Tholocrinus wetherbyi* =  
*\*Bicidiocrinus wetherbyi*

*\*Hydreionocrinus woodianus* de Koninck, 1858a, p. 97, Pl. 2, figs. 5-5a. de Koninck,  
1858b, p. 178, Pl. 4, figs. 5-5a. Bather, 1961a, p. 61, Figs. 1-3, 5. Dujardin and  
Hupé, 1862, p. 218. Bassler, 1938, p. 116. Wright, J., 1939, p. 35, Pls. 2, figs. 1,  
5; 4, figs. 1-5, 7, 9; Figs. 41-42. Bassler and Moodey, 1943, p. 517. Moore and  
Strimple *in* Moore and Teichert, 1978, p. T704, Fig. 462, nos. 1a-1c. Webster,  
1986, p. 175.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Hydreionocrinus woodianus* de Koninck, 1958 = *Hydreionocrinus goniodactylus*

*Hydreionocrinus woodianus* Wright, 1937, 1939 = *Hydreionocrinus amplus* =  
*Derbiocrinus cf. amplus*

*Hydreionocrinus cf. woodianus* Wright, 1935 = *Hydreionocrinus amplus amplus* =  
*Derbiocrinus cf. amplus*

*Hydreionocrinus* No. 1 sp., ?*H. woodianus* Wright, 1925 = *Hydreionocrinus amplus*  
*amplus* = *Derbiocrinus cf. amplus*

*Hydreionocrinus* No. 2 sp. Wright, 1925 = *Hydreionocrinus formosus*

*Hydreionocrinus* spp.

Wright, J., 1920a, p. 383, Pls. 13, figs. 1-2; 14, fig. 1; 15, fig. 1; 19, bottom fig.; Figs. 13-19.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland  
Sayre, 1930, p. 86, unfig. (tegmen spines).

Pennsylvanian, Missourian, Drum Limestone. United States, Kansas  
Easton, 1942, p. 84, Pl. 2, fig. 8. (spinose primibrachial)

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Arkansas

Heuer, 1958, p. 41 (incorrect plate for explanation), Pl. 2, figs. 10-11 (tegmen  
spines). Webster, 1973, p. 274.

Permian, Wolfcampian, Harpersville Formation: United States, Texas

Ubaghs *in* Moore and Teichert, 1978, p. T208, Fig. 175, nos. 8-9. Webster, 1986,  
p. 175.

Permian, series uncertain. West Timor

Ubaghs *in* Moore and Teichert, 1978, p. T208, Fig. 175, nos. 10-12. Webster,  
1986, p. 175.

Mississippian, Viséan. United Kingdom, Scotland

*Hydreionocrinus* species probably new Wetherby, 1881a, Pl. 9, fig. 5.

Mississippian. United States, Kentucky

*Hydreionocrinus* sp. Bather, 1912; Wright, J., 1914, 1920, 1927 (part) =

*Hydreionocrinus amplus amplus* = *Derbiocrinus* cf. *amplus*

*Hydreionocrinus* sp. Bather, 1915 = *Sciadiocrinus?* *crassacanthus amplus* =

*Derbiocrinus* cf. *amplus*

*Hydreionocrinus* sp. Mather, 1915 = *Sciadiocrinus?* *crassacanthus**Hydreionocrinus* sp. Tait and Wright, 1923 = *Hydreionocrinus formosus*? *Hydreionocrinus* spec. Wanner, 1916 = Crinoidea incertae sedis Gen. et spec. ind. 12*Hypanthocrinus chicao-ensis* (Winchell and Marcy, 1865) = *Eucalyptocrinites*

*chicagoensis*

**HYDRIOCRINUS** Trautschold, 1867. \**H. pusillus* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Trautschold, 1867, p. 16. Trautschold, 1879, p. 115. Lahusen, 1895, p. 149.

Schmidt, W. E., 1930, p. 53. Moore and Plummer, 1938, p. 237. Bassler, 1938,  
p.

116. Bassler and Moodey, 1943, p. 517. Moore and Laudon, 1943b, p. 55.

Arendt

and Hecker, 1964, p. 88. Strimple and Moore, 1971, p. 6. Strimple, 1971d, p. 16.

Webster, 1973, p. 153. Webster, 1977, p. 97. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T643. Pabian and Strimple, 1980a, p. 165. Pabian and

Strimple, 1985, p. 67. Webster, 1986, p. 175. Webster, 1988, p. 96. Pabian and Strimple, 1993, p. 38.

*POTERIOCRINUS (HYDRIOCRINUS)* Zittel, 1895, p. 136.

**Note.** Treatise considers all pre Pennsylvanian taxa assigned not to be congeneric. They are all of Famennian age.

Named, currently recognized species based on cups or crowns: 6 species. 1

Mississippian, Serppukhovian; 5 Pennsylvanian, 1 Desmoinesian, 2 Moscovian, 1 Missouriian, 1 Virgilian

Mississippian, Serppukhovian: Algeria

Pennsylvanian, Moscovian. Russia

Pennsylvanian, Desmoinesian - Virgilian. United States

*Hydriocrinus acehillensis* Pabian and Strimple, 1985, p. 71, Fig. 25, nos. i-k (listed as l-k in figure explanation). Webster, 1988, p. 96.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Nebraska

*Hydriocrinus barumensis* (Whidborne, 1896) = *Scytalocrinus barumensis*

*Hydriocrinus? confosus* Webster et al, 2004, p. 43, Pl. 11, figs. 1-4.

Mississippian, Serppukhovian, E2, Djenien Formation, between Hid el Kef and Djenien Members. Algeria

*Hydriocrinus lorraineae* Strimple and Watkins, 1969, p. 198, Pl. 34, figs. 3-4, 6-7. Webster, 1977, p. 98.

Pennsylvanian, Desmoinesian, Brannon Bridge Limestone, Kickapoo Falls Limestone. United States, Texas

*Hydriocrinus mjassoedowae* Yakovlev, 1926d, p. 30, Fig. 1. Yakovlev, 1930c, p. 378. Bassler and Moodey, 1943, p. 517.

**Note.** Probably not an *Hydriocrinus*, GDW.

Pennsylvanian, Moscovian?. Russia, Mt. Jegouli

*Hydriocrinus mundus* (Whidborne); Schmidt, 1930 = *Sostronocrinus mundus*

*Hydriocrinus plumifer* (Whidborne); Schmidt, 1930 = *Pachylocrinus? plumifer*

\**Hydriocrinus pusillus* Trautschold, 1867, p. 16, Pl. 2, figs. 9-12; Unnum. Fig.

Trautschold, 1879, p. 116, Pls. 14, fig. 4; 15, fig. 2. Lahusen, 1895, p. 150, Fig. 203. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 518. Yakovlev and Ivanov, 1956, p. 30, Pl. 8, fig. 8: Fig. 5. Arendt and Hecker, 1964, p. 88, Pl. 11, fig. 2; Fig. 129. Strimple, 1971d, p. 16, Fig. 6, no. 3. Webster, 1973, p. 153.

Webster, 1977, p. 98. Moore and Strimple *in* Moore and Teichert, 1978, p. T643, Fig. 421, nos. 1a-1d. Webster, 1986, p. 175.

Pennsylvanian, Moscovian. Russia, Mjatschkova

*Hydriocrinus pusillus rotundatus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 518.

Carboniferous. Russia

*Hydriocrinus ratingensis* Schmidt, 1930 =? *Sostronocrinus ratingensis*

*Hydriocrinus rosei* Moore and Plummer, 1938 = *Phacelocrinus rosei*

*Hydriocrinus?* *rosei* Moore and Plummer, 1938 = *Phacelocrinus rosei*

*Hydriocrinus salebrosus* (Whidborne, 1898) = *Glossocrinus?* *salebrosus*

*Hydriocrinus tensus* (Whidborne, 1896) = *Culmicrinus tensus* = *Aphelecrinus tensus*

*Hydriocrinus tensus* (Whidborne); Bassler and Moodey, 1943 = *Aphelecrinus tensus*

*Hydriocrinus transcisus* (Whidborne, 1898) = *Poteriocrinites transcisus*

*Hydriocrinus turbinatus* Strimple, 1971d p. 17, Fig. 6, nos. 1-2. Webster, 1977, p. 98.  
Moore and Strimple *in* Moore and Teichert, 1978, p. T644, Fig. 421, nos. 1e-1f.  
Pabian and Strimple, 1980a, p. 165, Fig. 6, nos. D-F. Webster, 1986, p. 175.  
Pennsylvanian, Missourian, Argentine Limestone; Wann Formation. United States,  
Oklahoma, Iowa

*Hydriocrinus* sp. cf. *H. turbinatus* Strimple, 1971. Pabian and Strimple, 1993, p. 38,  
Fig. 20, nos. e-k.  
Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States,  
Kansas, Nebraska

*Hydriocrinus* sp. (Whidborne); Schmidt, 1930 = *Aphelecrinus?* sp.

*Hydriocrinus* sp. Wright, 1934 = *Tubulusocrinus doliolus*

**HYDROPOROCRINUS** Arendt, 1970. \**H. obliquus* Arendt, 1970.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Arendt, 1970a, p. 146. Webster, 1977, p. 98. Lane and Moore *in* Moore and  
Teichert, 1978, p. T596. Webster, 1986, p. 175.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species  
Permian, late Artinskian. Russia, Priurals

\**Hydroporocrinus obliquus* Arendt, 1970a, p. 146, Pl. 7, fig. 3; Fig. 35. Webster, 1977,  
p. 98. Lane and Moore *in* Moore and Teichert, 1978, p. T596, Fig. 386, no. 2.  
Webster, 1986, p. 175.  
Permian, late Artinskian, Sarga Horizon. Russia, Priurals

**HYLODECRINUS** Kirk, 1941. \**H. sculptus* Kirk, 1941.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Staphylocrinidae



Kirk, 1941b, p. 85. Bassler and Moodey, 1943, p. 518. Moore and Laudon, 1943b, p. 56. Moore and Laudon, 1944, p. 161. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 153. Moore and Strimple *in* Moore and Teichert, 1978, p. T747. Lane and Sevastoplulo, 1990, p. 336. Kammer and Ausich, 1993, p. 632. Webster, 1993, p. 70.

Named, currently recognized species based on cups or crowns: 7 Mississippian Viséan species

Mississippian, Viséan (Osagean - early Meramecian). United States

*Hylodecrinus asper* Kirk, 1941b, p. 86, Pl. 17, figs. 5-6. Bassler and Moodey, 1943, p. 518. Moore and Laudon, 1944, p. 161, Pl. 60, fig. 4. Webster, 1973, p. 153. Kammer and Ausich, 1993, p. 633.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Hylodecrinus bonoensis* (Miller and Gurley, 1890). Kammer and Ausich, 1993, p. 636, Figs. 10.2-10.3.

*Scaphiocrinus bonoensis* Miller and Gurley, 1890b, p. 29, Pl. 5, figs. 6-7. Miller and Gurley, 1891, p. 349, Pl. 5, figs. 6-7. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 636.

*Pachylocrinus bonoensis* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 636.

Mississippian, Viséan (early Meramecian), Harrodsburg Limestone; upper part of the Warsaw Formation. United States, Indiana, Missouri

*Hylodecrinus briareus* (Worthen, 1882). Kammer and Ausich, 1993, p. 633, Figs. 10.5-10.19, 11.

*Poteriocrinus briareus* Worthen, 1882, p. 12. Worthen, 1883, p. 270, Pl. 27, fig. 4. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 633.

*Scaphiocrinus briareus* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 237 (161). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579.

*Poteriocrinus braireus* Worthen, 1882. Kammer and Ausich, 1993, p. 633

*Pachylocrinus briareus* (Worthen, 1882). Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 633.

*Scaphiocrinus lacunosus* Miller and Gurley, 1890b, p. 47, Pl. 8, figs. 8-10. Miller and Gurley, 1891, p. 363, Pl. 8, figs. 8-10. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 633.

*Pachylocrinus lacunosus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 581. Moore and Laudon, 1944, p. 161, Pl. 64, fig. 21. Webster, 1973, p. 188. Kammer and Ausich, 1993, p. 633.

*Scaphiocrinus boonvillensis* Miller, S. A., 1891b, p. 37, Pl. 5, figs. 1-2. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579. Webster, 1973, p. 188. Kammer and Ausich, 1993, p. 633.

- Scaphiocrinus? boonvillensis* Miller, 1891. Keyes, 1894a, p. 212. Weller, S., 1898c, p. 541.
- Pachylocrinus boonvillensis* (Miller, 1891). Bassler and Moodey, 1943, p. 579. Van Sant in Van Sant and Lane, 1964, p. 88. Webster, 1973, p. 188. Kammer and Ausich, 1993, p. 633.
- Scaphiocrinus constrictus* Miller, S. A., 1891b, p. 38, Pl. 5, figs. 3-4. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 633.
- Pachylocrinus constrictus* (Miller, 1891). Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 633.
- Scaphiocrinus arrosus* Miller and Gurley, 1893, p. 39, Pl. 6, fig. 5. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1993, p. 633.
- Pachylocrinus arrosus* (Miller and Gurley, 1893). Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1993, p. 633.
- Mississippian, Viséan (late Osagean - early Meramecian), lower and upper parts of Warsaw Formation; Edwardsville Formation; Harrodsburg Limestone. United States, Iowa, Missouri, Indiana
- Hylodecrinus gibsoni* (White, 1878). Kammer and Ausich, 1993, p. 633, Figs. 5.16?, 10.1.
- Poteriocrinus (Scaphiocrinus) gibsoni* White, 1878, p. 31. Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 633.
- Pachylocrinus gibsoni* (White, 1878). Bassler and Moodey, 1943, p. 580. Van Sant in Van Sant and Lane, 1964, p. 89, Pl. 4, figs. 7, 11. Webster, 1973, p. 188. Kammer and Ausich, 1993, p. 633.
- Scaphiocrinus gibsoni* (White, 1878). White, C. A., 1880c, p. 161, Pl. 40, fig. 4a (final rept. 1883). White, C. A., 1881a, p. 507, Pl. 7, fig. 7. White, C. A., 1881b, p. 139, Pl. 7, fig. 7. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 543. Kammer and Ausich, 1993, p. 633.
- ?*Poteriocrinus nauvoovens* Worthen, 1882, p. 13. Worthen, 1883, p. 282, Pl. 28, fig. 10. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 582. Kammer and Ausich, 1993, p. 633.
- ?*Pachylocrinus nauvoovens* (Worthen, 1882). Bassler and Moodey, 1943, p. 582. Kammer and Ausich, 1993, p. 633.
- Scaphiocrinus nauvoovens* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 237 (161). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 582.
- Mississippian, Viséan (late Osagean), Edwardsville Formation; ?Keokuk Limestone. United States, Indiana, ?Illinois
- Hylodecrinus robustus* Kammer and Ausich, 1993, p. 636, Figs. 10.20-10.22. Mississippian, Viséan (Osagean), New Providence Shale. United States, Kentucky

\**Hylodecrinus sculptus* Kirk, 1941b, p. 86, Pl. 17, figs. 3-4, 7. Bassler and Moodey, 1943, p. 518. Moore and Laudon, 1944, p. 161, Pl. 60, fig. 2. Webster, 1973, p. 153. Moore and Strimple *in* Moore and Teichert, 1978, p. T747, Fig. 493, no. 2. Webster, 1986, p. 175. Kammer and Ausich, 1993, p. 633, Fig. 10.4. Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Limestone; Harrodsburg Limestone. United States, Indiana

*Hylodecrinus? validus* (Worthen, 1882). Kammer and Ausich, 1993, p. 636, Fig. 5.13.  
*Poteriocrinus validus* Worthen, 1882, p. 18. Worthen, 1883, p. 287, Pl. 28, fig. 16. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 645. Kammer and Ausich, 1993, p. 636.  
*Poteriocrinites validus* (Worthen, 1882). Bassler and Moodey, 1943, p. 645. Kammer and Ausich, 1993, p. 636. Mississippian, Viséan (early Meramecian), upper part of the Warsaw Formation. United States, Illinois

*Hylodecrinus* sp. Laudon, Parks, and Spreng, 1952, p. 555, Pl. 65, fig. 35. Webster, 1973, p. 153. Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Hyocrinus* sp. Yakovlev, 1947 = *Hypocrinus* sp.

**HYPANTHOCRINITES** Phillips, 1839 = **EUCALYPTOCRINITES**

*Hypanthocrinites caelatus* Hall, 1943 = *Eucalyptocrinites caelatus*

*Hypanthocrinites coelatus* Hall, 1843 = *Eucalyptocrinites caelatus*

*Hypanthocrinites decorus* Phillips *in* Murchison, 1839 = *Eucalyptocrinites decorus*

*Hypanthocrinites decorus* Hall, 1843 (*non* Phillips, 1839) = *Eucalyptocrinites caelatus levis*

*Hypanthocrinites granulatus* Lewis, 1846 = *Eucalyptocrinites granulatus*

**HYPANTHOCRINUS** of authors = **EUCALYPTOCRINITES**

*Hypanthocrinus armosus* (McChesney, 1861) = *Siphonocrinus armosus*.

*Hypanthocrinus cornutus* (Hall, 1864) = *Calliocrinus cornutus*

*Hypanthocrinus crassus* (Hall, 1863) = *Eucalyptocrinites crassus*

*Hypanthocrinus decorus* (Phillips *in* Murchison, 1839) = *Eucalyptocrinites decorus*

*Hypanthocrinus decorus* (Hall, 1843) (*non* Phillips, 1839) = *Eucalyptocrinites caelatus levis*

- Hypanthocrinus extensus* (Troost, 1850) = *Eucalyptocrinites extensus*
- Hypanthocrinus gibbosus* (Troost, 1850) = *Eucalyptocrinites gibbosus*
- Hypanthocrinus goldfussi* (Troost, 1850) = *Eucalyptocrinites goldfussi*
- Hypanthocrinus granulatus* Lewis, 1847 = *Eucalyptocrinus granulatus* =  
*Eucalyptocrinites granulatus*
- Hypanthocrinus laevis* (Troost, 1850) = *Eucalyptocrinites phillipsi*
- Hypanthocrinus nashvillae* (Troost, 1850) = *Eucalyptocrinites nashvillae*
- Hypanthocrinus obconicus* (Hall, 1864) = *Archaeocalyptocrinus obconicus*
- Hypanthocrinus ornatus* (Hall, 1861) = *Eucalyptocrinites ornatus*
- Hypanthocrinus ovalis* (Troost, 1850) = *Eucalyptocrinites ovalis*
- Hypanthocrinus papullosus* (Hall, 1852) = *Eucalyptocrinites caelatus*
- Hypanthocrinus phillipsii* (Troost, 1850) = *Eucalyptocrinites phillipsi*
- Hypanthocrinus polydactylus* (M'Coy, 1849) = *Clonocrinus polydactylus*
- Hypanthocrinus ramifer* (Roemer, 1860) = *Gazacrinus ramifer*
- Hypanthocrinus regularis* (Hisinger, 1840) = *Eucalyptocrinites regularis*
- Hypanthocrinus rosaceus* (Goldfuss, 1831) = *Eucalyptocrinites rosaceus*
- Hypanthocrinus splendidus* (Wachsmuth and Springer, 1892) = *Eucalyptocrinites lindahli*
- Hypanthocrinus tennesseeensis* (Troost, 1850) = *Eucalyptocrinites ovalis*

**HYPERMORPHOCRINUS** Arendt, 1968. \**Hypermorphocrinus magnospinosus* Arendt, 1968.

Sbc. Cladida, O. Poteriocrinina, Spf. Pirasocrinoidea. F. Pirsocrinidae

Arendt, 1968, p. 99. Arendt, 2012, p. 877.

Permian, Artinskian: Russia

\**Hypermorphocrinus magnospinosus* Arendt, 1968b, p.101, fig. 1. Arendt, 1970a, p. 188, Fig. 61, no. d; 1970b, p. 529, Fig. 1, nos. a-e. Webster, 1973, p. 153. Pabian and Strimple, 1974a, p. 281. Webster, 1977, p. 98. Webster, 1986, p. 75.  
*Bathronocrinus magnospinosus* (Arendt, 1968). Pabian and Strimple, 1974a, p. 282.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667, Fig. 438, no. 1. Webster, 1986, p. 75. Arendt, 2012, p. 877, Pls. 1-3.

Named, currently recognized species based on cups or crowns: 1 Permian Artinskian species,

Permian, Artinskian, Sarga Horizon. Russia, Ural Mountains, Krasnoufimsk

*HYPEROCRINUS* Bather, 1897 = ***UPEROCRINUS***

Hypertrophied type basals Hashimoto, 2001, p. 8, Fig. 3, no. 1. (diagramatic)

***HYPOCRINUS*** Beyrich, 1862. \**H. schneideri* Beyrich, 1862.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae

Beyrich, 1862, p. 537. Zittel, 1879, p. 413. Bather *in* Lankester, 1900, p. 178.

Bather, 1913a, p. 894. Springer *in* Zittel, 1913, p. 157. Wanner, 1916, p. 94.

Wanner, 1929, p. 36. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 518.

Moore and Laudon, 1943b, p. 50, Fig. 4. Branson, C. C., 1948, p. 196. Yakovlev,

1951, p. 577, Fig. 1, no. 1. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b,

p. 11, Figs. 4-5. Arendt, 1968a, p. 98, Fig. 1. Arendt, 1970a, p. 119. Webster,

1973, p. 154. Webster, 1977, p. 98. Arendt, 1978, p. 258. Lane and Moore *in*

Moore and Teichert, 1978, p. T598. Arendt, 1981, p. 87. Webster, 1986, p. 176.

Webster, 1988, p. 96.

Named, currently recognized species based on cups or crowns: 4 Permian species, 1 Asselian, 2 Artinskian, 1 series uncertain

Permian, Asselian - Artinskian. Russia

West Timor, Permian, series uncertain. West Timor

*Hypocrinus minimus* Arendt, 1970a, p. 121, Pl. 2, fig. 7; Fig. 24. Webster, 1977, p. 98.

Arendt, 1978, p. 260, Pl. 1, fig. 2; Fig. 3. Webster, 1986, p. 176.

Permian, late Artinskian, Sarga Horizon. Russia, Priurals

*Hypocrinus mulleri* Rothpletz, 1892 = *Hypocrinus schneideri*

*Hypocrinus piriformis* Rothpletz, 1892 = ?*Hypocrinus piriformis* = *Sycocrinus piriformis* = *Metasycocrinus piriformis*

?*Hypocrinus piriformis* Rothpletz, 1892 = *Metasycocrinus piriformis*

\**Hypocrinus schneideri* Beyrich, 1862, p. 537 (*nomen nudum*). Beyrich, 1865, p. 83, Pl. 2, figs. 16a-16c. Bather, 1913a, p. 900, Pl. 90, figs. 1-6. Wanner, 1916, p. 94, Pl. 102 (7), figs. 1-3; Fig. 23. Wanner, 1920, p. 23, Figs. 3, 9. Wanner, 1929b, p. 40, Pl. 1, figs. 1-3. Wanner, 1930, p. 11, Pl. 2, figs. 1-2; Figs. 5-7. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p. 519. Branson, C. C., 1948, p. 196. Haaf, 1950, p. 891, Figs. 1-4. Ubaghs, 1953, p. 672, Fig. 10, nos. c-d. Arendt, 1970a, p. 123, Pl. 3, figs. 2-4; Figs. 22, 25. Arendt, 1972a, p. 142, Fig. 1. Arendt, 1972b, p. 123, Fig. 1, nos. a-d. Webster, 1973, p. 154. Webster, 1977, p. 98. Arendt, 1978, p. 262, Pl. 1, figs. 3-5; Fig. 2. Ubaghs *in* Moore and Teichert, 1978, p. T113, Fig. 86, no. 1. Lane and Moore *in* Moore and Teichert, 1978, p. T598,

Figs.

- 384, no. 2; 35, no. 2. Webster, 1986, p. 176.  
*Hypocrinus mülleri* Rothpletz, 1892, p. 74, Pl. 10, figs. 22-22a. Bassler and Moodey, 1943, p. 519. Branson, C. C., 1948, p. 196.  
 Permian series uncertain. West Timor, Basleo, Kupang
- Hypocrinus tschuvashovi* Arendt and Vanin *in* Arendt, 1981, p. 88, Pls. 29, fig. 2; 30, fig. 1; Fig. 22, no. k (not no. zh as given p. 88). Webster, 1988, p. 97.  
 Permian, late Asselian. Russia, Ural Mountains
- Hypocrinus yakovlevi* Arendt, 1970a, p. 120, Pls. 2, fig. 6; 3, fig. 1; Fig. 23. Webster, 1977, p. 98. Arendt, 1978, p. 259, Pl. 1, fig. 1; Fig. 1. Webster, 1986, p. 176.  
 Permian, late Artinskian, Sarga Horizon; Divya Suite. Russia, Krasnoufimsk; Priurals
- Hypocrinus* spp.  
 Webster, 1973, p. 154.  
 Permian  
 Lane and Breimer, 1974, p. 36, Fig. 1, no. G.  
*Hypocrinus* sp. Yakovlev, 1947d, p. 41, Fig. 1.  
 Permian
- Hypothetical crinoid Boucot, 1990, p. 36, Fig. 28 (diagramatic)  
 Late Paleozoic
- HYPSELOCRINUS** Kirk, 1940. \**Poteriocrinus hoveyi* Worthen *in* Worthen and Meek, 1875.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae  
 Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 169. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 154. Webster, 1977, p. 98. Moore and Strimple *in* Moore and Teichert, 1978, p. T644. Webster, 1986, p. 176. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 471. Webster, 1993, p. 70.  
 Named, currently recognized species based on cups or crowns: 18 species. 1 Devonian, Famennian; 14 Mississippian, 3 Tournaisian, 10 Viséan, 1 Viséan – Serpukhovian; 3 Pennsylvanian, 2 Morrowan, 1 Morrowan - Atokan  
 Devonian, late Famennian. United States  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian); Pennsylvanian, Morrowan - Atokan. United States  
 Mississippian, Viséan. United Kingdom, Scotland
- Hypselocrinus arcanus* (Miller and Gurley, 1890). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Moore and Laudon, 1944, p. 169, Pl. 58, fig. 17. Webster, 1973, p. 154. Kammer and Ausich, 1992, p. 472, Figs. 5.7-5.12.  
*Poteriocrinus arcanus* Miller and Gurley, 1890b, p. 29, Pl. 5, fig. 4. Miller and Gurley, 1891, p. 348, Pl. 5, fig. 4. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 519.

*Poteriocrinus boonvillensis* Miller, S. A., 1891 (adv. pub.). Miller, S. A., 1892b, p. 652, Pl. 8, figs. 3-4. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 519. Kammer and Ausich, 1992, p. 472.

*Hypselocrinus boonvillensis* (Miller, 1891). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Kammer and Ausich, 1992, p. 472.

*Poteriocrinus neglectus* Miller and Gurley, 1896b, p. 31, Pl. 4, figs. 3-5. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 476. Bassler and Moodey, 1943, p. 520. Kammer and Ausich, 1992, p. 472.

*Hypselocrinus neglectus* (Miller and Gurley, 1896). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 520. Kammer and Ausich, 1992, p. 472.

Mississippian, Viséan (Osagean - late Meramecian), Warsaw Formation; Harrodsburg Limestone. United States, Missouri, Indiana

*Hypselocrinus ardrossensis* Wright, J., 1951a, p. 33, Pl. 11, fig. 7. Webster, 1973, p. 154.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

*Hypselocrinus? bisonensis* Webster and Hafley in Webster *et al.*, 1999, p. 470, Fig. 4.5.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

*Hypselocrinus boonvillensis* (Miller, 1891) = *Hypselocrinus arcanus*

*Hypselocrinus calyculus* (Hall, 1858). Bassler and Moodey, 1943, p. 519.

*Poteriocrinus calyculus* Hall, 1858c, p. 443, Pl. 9, figs. 6a-6c. Hall, 1860, Pl. 2, fig. 11. Shumard, 1868, p. 391. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 519.

*Scaphiocrinus calyculus* (Hall, 1858). Hall, 1872c, Pl. 6, fig. 1. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 519.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Hypselocrinus campanulus* Horowitz, 1965 = *\*Pulaskicrinus campanulus*

*Hypselocrinus? cavus* Washburn, 1968, p. 129, Pl. 2, figs. 13-15. Webster, 1973, p. 154.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

*Hypselocrinus defendus* Washburn, 1968 = *Morrowcrinus defendus*

*Hypselocrinus douglassi* (Miller and Gurley, 1896). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Moore and Laudon, 1944, p. 169, Pl. 60, fig. 8.

Jacobson, 1970, p. 232, Pl. 2, Unnum. Fig. bottom right. Webster, 1973, p. 154. Webster, 1977, p. 99.

*Poteriocrinus douglassi* Miller and Gurley, 1896c, p. 83, Pl. 5, figs. 16-17. Miller, S. A., 1897, p. 751. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 519.

*Decadocrinus douglassi* (Miller and Gurley, 1896). Laudon, 1933, p. 68, Pls. 5, fig. 6; 7, fig. 7. Bassler and Moodey, 1943, p. 519.  
Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Gilmore City Limestone. United States, Montana, Iowa

*Hypselocrinus fusiformis* (Hall, 1861). Kirk, 1940c, p. 327. Bassler and Moodey, 1943, p. 519.

*Poteriocrinus fusiformis* Hall, 1861a, p. 302. Hall, 1861b, p. 6. Hall, 1861c, p. 302. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 519.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

\**Hypselocrinus hoveyi* (Worthen, 1875). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Moore and Laudon, 1944, p. 169, Pl. 60, fig. 21. Van Sant *in* Van Sant and Lane, 1964, p. 95, Pl. 5, fig. 16 (*non* Pl. 5, fig. 7 as erroneously given in text). Webster, 1973, p. 154. Moore and Strimple *in* Moore and Teichert, 1978, p. T644, Fig. 421, no. 7. Webster, 1986, p. 176. Kammer and Ausich, 1992, p. 472, Figs. 5.13-5.16. Ausich and Wood, 2012, p. 1018, Fig. 1, nos. 1-3.

*Poteriocrinus hoveyi* Worthen *in* Worthen and Meek, 1875, p. 516, Pl. 29, fig. 6. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 519.

*Scytalocrinus hoveyi* (Worthen, 1875). Springer, 1900, p. 145, Pl. 16, fig. 8. Bassler and Moodey, 1943, p. 519.

*Poteriocrinus crawfordsvillensis* Miller and Gurley, 1890a, p. 23, Pl. 4, fig. 8. Miller and Gurley, 1890b, p. 23, Pl. 4, fig. 8. Miller and Gurley, 1891, p. 344, Pl. 4, fig. 8. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 373. Van Sant *in* Van Sant and Lane, 1964, p. 95. Webster, 1973, p. 154. Kammer and Ausich, 1992, p. 472.

*Cosmetocrinus crawfordsvillensis* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 373. Moore and Laudon, 1944, p. 159, Pl. 58, fig. 14. Webster, 1973, p. 84. Kammer and Ausich, 1992, p. 472.

*Paracosmetocrinus crawfordsvillensis* (Miller and Gurley, 1890). Strimple, 1967, p. 81. Webster, 1973, p. 154. Kammer and Ausich, 1992, p. 472.

*Hypselocrinus indianensis* (Meek and Worthen, 1865). Van Sant *in* Van Sant and Lane, 1964, p. 95, Pl. 5, fig. 14 only. Kammer and Ausich, 1992, p. 472.

*Cosmetocrinus indianensis* (Meek and Worthen, 1865). Kirk, 1941b, p. 88. Bassler and Moodey, 1943, p. 374. Kammer and Ausich, 1992, p. 474.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; Harrodsburg Limestone. United States, Indiana

*Hypselocrinus hoveyi* Van Sant, 1964(part) = *Hypselocrinus vansanti*

*Hypselocrinus indianensis* (Meek and Worthen, 1865). Van Sant *in* Van Sant and Lane, 1964, p. 95, Pl. 5, figs. 3, 7, (not fig. 14). Van Sant *in* Van Sant and Lane, 1973, p. 60, Fig. 20. Webster, 1973, p. 154. Webster, 1977, p. 99. Kammer and Ausich, 1992, p. 474, Figs. 5.1-5.3 (*nomen dubium*).

*Poteriocrinus indianensis* Meek and Worthen, 1865c, p. 155. Meek and Worthen, 1868c, p. 515, Pl. 20, fig. 4. Shumard, 1868, p. 391. Quenstedt 1885, p. 950, Pl. 76, fig. 9. Miller, S. A., 1889, p. 274, Fig. 404. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 374. Van Sant *in* Van Sant and Lane, 1964, p. 95.



Webster, 1973, p. 154. Weller, S., 1898c, p. 559  
*Poteriocrinus (Scytalocrinus) indianensis* Meek and Worthen, 1865. Wachsmuth and Springer, 1880, p. 117 (340). Bassler and Moodey, 1943, p. 374. Kammer and Ausich, 1992, p. 474.  
 Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Hypselocrinus indianensis* (Meek and Worthen, 1865) (part) = *Hypselocrinus hoveyi*

*Hypselocrinus? lasallensis* (Worthen, 1875) = *Exoriocrinus lasallensis*

*Hypselocrinus maccabei* (Miller and Gurley, 1894). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 519. Moore and Laudon, 1944, p. 169, Pl. 60, fig. 9. Laudon, and Severson, 1953, p. 519, Pl. 51, figs. 2-5. Webster, 1973, p. 154. Lane and Sevastopulo, 1986, p. 741, Fig. 2, no. 9. Webster, 1993, p. 71. Gahn, 1995, p. 120, Fig. 5, nos. 3-4.

*Poteriocrinus maccabei* Miller and Gurley, 1894b, p. 34, Pl. 3, figs. 3-6. Miller, S. A., 1889, p. 752. Weller, S., 1898c, p. 476. Bassler and Moodey, 1943, p. 519.  
*Scytalocrinus maccabei* (Miller and Gurley, 1894). Laudon and Beane, 1937, p. 258, Pls. 17, fig. 13; 18, figs. 6-7; 19, fig. 6. Bassler and Moodey, 1943, p. 519.  
*Poteriocrinus hammondi* Miller and Gurley, 1894b, p. 35, Pl. 3, figs. 7-8. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 520.  
*Poteriocrinus maccabei* var. *decrepitus* Miller and Gurley, 1894b, p. 36, Pl. 3, figs. 9-12. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 476. Bassler and Moodey, 1943, p. 520.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation; McCraney Limestone; Lodgepole Limestone. United States, Iowa, Illinois, Montana, Idaho

*Hypselocrinus? macoupinensis* = *Haeretocrinus macoupinensis*

*Hypselocrinus macrodactylus* (Meek and Worthen, 1870). Kirk, 1940c, p. 326. Bassler and Moodey, 1943, p. 520.

*Poteriocrinites (Graphiocrinus; Scaphiocrinus) macrodactylus* Meek and Worthen, 1870a, p. 140. Bassler and Moodey, 1943, p. 520.

*Poteriocrinites (Scaphiocrinus) macrodactylus* Meek and Worthen, 1870. Meek and Worthen, 1873, p. 415, Pl. 2, fig. 9. Bassler and Moodey, 1943, p. 520.

*Poteriocrinus (Scytalocrinus) macrodactylus* (Meek and Worthen, 1873). Wachsmuth and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 520.

*Scaphiocrinus macrodactylus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 559.

*Scytalocrinus macrodactylus* (Meek and Worthen 1870). Weller, S., 1898c, p. 559. Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa

*Hypselocrinus monensis* (Wright, 1938). Wright, J., 1951a, p. 32, Pl. 8, figs. 4, 9; Fig. 10. Webster, 1973, p. 155.

*Pachyocrinus monensis* Wright, J., 1938, p. 284, Pl. 11, fig. 3. Bassler and Moodey, 1943, p. 582. Wright, J., 1951a, p. 32. Webster, 1973, p. 155. Mississippian, Viséan (C-2). United Kingdom

*Hypselocrinus neglectus* (Miller and Gurley, 1896) = *Hypselocrinus arcanus*

*Hypselocrinus pleias* (Hall, 1863). Kirk, 1940c, p. 327. Bassler and Moodey, 1943, p. 520. Webster, 1986, p. 176.

*Poteriocrinus pleias* Hall, 1863b, p. 57. Hall, 1864a, p. 57. Shumard, 1868, p. 391. Hall and Whitfield, 1875c, p. 175, Pl. 12, fig. 8. Miller, S. A., 1889, p. 275. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 520.

*Decadocrinus pleias* (Hall, 1863). Wachsmuth and Springer, 1880 (1879), p. 119 (342). Weller, S., 1898c, p. 214. Grabau and Shimer, 1910, p. 511, Fig. 1824, no. e. Bassler and Moodey, 1943, p. 520. Wolf, 1979, p. 150, Fig. 1, no. c. Webster, 1986, p. 176.

*Poteriocrinites pleias* (Hall, 1863). Lesley, 1889, p. 741, Fig. 12. Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation. United States, Ohio

*Hypselocrinus sansabensis* (Moore and Plummer, 1938). Moore and Laudon, 1944, p. 169, Pl. 60, fig. 10. Webster, 1973, p. 155.

*Scytalocrinus sansabensis* Moore and Plummer, 1938, p. 247, Pl. 14, figs. 9a-9b; Fig. 9; 1940, p. 131, Pls. 5, fig. 6; 14, fig. 10; Fig. 17. Bassler and Moodey, 1943, p. 678. Strimple and Watkins, 1969, p. 197, Pl. 41, fig. 5 (*non* Pl. 51, figs. 1, 4 as given p. 197). Moore and Strimple, 1973, p. 44, Pl. 5, figs. 1a-1d. Webster, 1973, p. 155. Webster, 1977, p. 155. Finsley, 1989, p. 95, Fig. 317.

Pennsylvanian, Morrowan - Atokan, Marble Falls Limestone; Brentwood Member; Lemons Bluff Limestone. United States, Texas, Oklahoma

*Hypselocrinus?* *subimpressus* (Meek and Worthen, 1861). Kammer, 2008, p. 179, Fig. 9.1, nos. 1-2.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Hypselocrinus?* *superus* Washburn, 1968, p. 128, Pl. 2, figs. 10-12. Webster, 1973, p. 155.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

*Hypselocrinus tethys* (Meek and Worthen, 1870). Kirk, 1940c, p. 327. Bassler and Moodey, 1943, p. 520.

*Poteriocrinus* (*Graphiocrinus*; *Scaphiocrinus*) *tethys* Meek and Worthen, 1870a, p. 143. Bassler and Moodey, 1943, p. 520.

*Poteriocrinus* (*Scaphiocrinus*) *tethys* Meek and Worthen, 1873, p. 419, Pl. 2, fig. 13. Bassler and Moodey, 1943, p. 520.

*Scaphiocrinus tethys* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 549.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone.

United States, Iowa

*Hypselocrinus vansanti* Kammer and Ausich, 1992, p. 474, Figs. 5.4-5.6.

*Hypselocrinus hoveyi* (Worthen in Meek and Worthen, 1875). Van Sant, 1961, Pl. 5, fig. 1b only. Kammer and Ausich, 1992, p. 474.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*HYPSOCRINUS* Springer and Slocum, 1906 = **BACTROCRINITES**

*Hypsocrinus fieldi* Springer and Slocum, 1906 = *Bactrocrinites fieldi*

*HYPTIOCRINUS* Wachsmuth and Springer, 1892 = **CYPHOCRINUS**

*Hyptiocrinus typus* Wachsmuth and Springer, 1892 = *Cyphocrinus gorbyi*

**HYRTANECRINUS** Broadhead and Strimple, 1980. \**H. diabolus* Broadhead and Strimple, 1980.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Broadhead and Strimple, 1980, p. 36, Fig. 2, no. B. Broadhead, 1981, p. 128.

Webster, 1986, p. 176. Lane and Sevastopulo, 1987, p. 205. Chestnut and Etensohn, 1988, p. 56, Fig. 10. Webster, 1988, p. 97. Webster, 1993, p. 71.

Named, currently recognized species based on cups or crowns: 4 species, 1 Viséan, 2 Viséan - Serpukhovian, 1 Serpukhovian

Mississippian, Viséan – Serpukhovian (Osagean – Chesterian). United States

\**Hyrtanecrinus diabolus* Broadhead and Strimple, 1980, p. 38, Pl. 1, figs. 4, 6-7, 11-12, 14-15; Fig. 3. Broadhead, 1981, p. 129, Pl. 11, figs. 1-3, 11, 14-15; Fig. 2, no. E. Webster, 1986, p. 176. Webster, 1988, p. 97.

Mississippian, Serpuhovian (Meramecian – Chesterian), Renault Formation, Paint Creek Formation, Downeys Bluff Member, Bangor Limestone. United States, Illinois, Alabama

*Hyrtanecrinus girtyi* (Weller, 1920) = *Hyrtanecrinus inflatus*

*Hyrtanecrinus inflatus* Broadhead and Strimple, 1980, p. 42, Pl. 1, figs. 1, 5, 8, 13.

Broadhead, 1981, p. 130, Pl. 12, figs. 18-21. Broadhead, 1985, p. 211, Fig. 6, nos. A-B. Webster, 1986, p. 177.

*Dichocrinus girtyi* Weller, S., 1920, p. 334, Pl. 5, figs. 5-12. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 130. Burdick and Strimple, 1983a, p. 174, Pl. 2, figs. 2, 5, 7. Webster, 1988, p. 97.

*Hyrtanecrinus girtyi* (Weller, 1920). Broadhead and Strimple, 1980, p. 39, Pl. 1, figs. 2-3, 9, -0. Broadhead, 1981, p. 130. Webster, 1986, p. 177. Webster, 1988, p. 97.

Mississippian, Viséan – Serpukhovian (Meramecian – Chesterian), Monteagle Limestone, Bangor Limestone, Hindsville Formation. United States, Alabama, Oklahoma

- Hyrtanecrinus ornatus* (Wachsmuth and Springer, 1881). Broadhead, 1981, p. 130, Pl. 12, figs. 1-4, 6-8, 10, 13-14, 22. Webster, 1988, p. 97.
- Dichocrinus ornatus* Wachsmuth and Springer, 1881 (*non de Koninck and Le Hon*, 1854), p. 762, Pl. 77, fig. 6. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 223. Bassler and Moodey, 1943, p. 421. Laudon, 1973b, p. 32, Figs. 1, 7. Webster, 1977, p. 70. Broadhead, 1981, p. 130. Webster, 1988, p. 97.
- Dichocrinus sculptus* Casseday and Lyon, 1862 (*non de Koninck and Le Hon*, 1854), p. 25. Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 130. Webster, 1988, p. 97.
- Dichocrinus blatchleyi* Beede, 1906, p. 1259, Pl. 17, figs. 2-2f. Bassler and Moodey, 1943, p. 418. Broadhead, 1981, p. 130. Webster, 1988, p. 97. Mississippian, Viséan (Osagean – Meramecian), Shelterville Formation; Paint Creek Formation; Spergen Limestone; Ft. Payne Chert; Keokuk Limestone; St. Louis Limestone. United States, Indiana, Kentucky, Illinois, Iowa
- Hyrtanecrinus pentalobus* (Casseday and Lyon, 1862). Broadhead, 1981, p. 132, Pls. 11, fig. 12; 12, figs. 5, 9, 11-12, 15-17. Chestnut and Ettensohn, 1988, p. 56, Pl. 8, figs. 13-14. Webster, 1988, p. 97. Webster, 1993, p. 71.
- Cotyledonocrinus pentalobus* Casseday and Lyon, 1862, p. 26. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 234. Weller, S., 1898c, p. 223. Bassler, 1938, p. 74. Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 132. Webster, 1988, p. 97.
- Dichocrinus pentalobus* (Casseday and Lyon, 1862). Wachsmuth and Springer, 1897, p. 775, Pl. 78, figs. 11a-11c. Weller, S., 1898c, p. 223. Bassler and Moodey, 1943, p. 421. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70. Broadhead, 1981, p. 132. Webster, 1988, p. 97.
- Dichocrinus labiatus* Burdick and Strimple, 1983a, p. 176, Pl. 3, figs. 3, 12. Webster, 1988, p. 97. Mississippian, Viséan – Serpukhovian (Meramecian – Chesterian), Haney Limestone; Bangor Limestone; Pitkin Limestone; Glen Dean Formation; Pennington Formation, Sloans Valley Member. United States, Indiana, Alabama, Oklahoma, Kentucky

**HYSTRICRINUS** Hinde, 1885 = **ARTHROACANTHA**

*Hystricrinus carpenteri* Hinde, 1885 = *Arthroacantha carpenteri*

*Hystricrinus punctobrachiatus* Hall, 1872 = *Arthroacantha punctobrachiatus*

*Hystricrinus schwerdii* Follmann, 1901 = *Arthroacantha schwerdii*

**IBANOCRINUS** Ausich, 1987. \**I. petalos* Ausich, 1987.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Ausich, 1987a, p. 557. Webster, 1993, p. 71.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, late early or middle Llandoveryan. United States, Ohio

\**Ibanocrinus petalos* Ausich, 1987a, p. 558, Figs. 2, nos. 1-2, 4; 3, no. 2. Webster, 1993, p. 71.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

**IBEROCRINUS** Sieverts-Doreck, 1951 = **MEGALIOCRINUS**

*Iberocrinus multibrachiatus* Sieverts-Doreck, 1951 = *Megaliocrinus bolli*

**IBEXOCRINUS** Lane, 1970. \**I. lepton* Lane, 1970.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Lane, N. G., 1970a, p. 12. Warn and Strimple, 1977, p. 96. Webster, 1977, p. 99.

Moore and Lane *in* Moore and Teichert, 1987, p. T523. Frest, Strimple, and McGinnis, 1979, p. 405, Fig. 2, no. F. Webster, 1986, p. 177. Sevastopulo and Lane, 1988, p. 246. Clement, 1988, p. 113. Webster, 1993, p. 71. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Middle Ordovician, Darriwilian (Llanvirnian). United States, Utah

\**Ibexocrinus lepton* Lane, N. G., 1970a, p. 13, Pl. 1, fig. 1; Fig. 2, no. B-C. Warn and Strimple, 1977, p. 97, Pl. 16, figs. 4-6; Fig. 23. Webster, 1977, p. 99. Moore and Lane, 1978, p. T5423, Fig. 323, no. 1. Webster, 1986, p. 177.

Middle Ordovician, Darriwilian (Llanvirnian), Kanosh Shale. United States, Utah

**ICHTHYOCRINUS** Authors = **ICHTHYOCRINUS**

*Ichthyocrinus arthriticus* (Phillips, 1839) = *Gissocrinus arthriticus*

*Ichthyocrinus bacchus* Salter, 1873 = *Lecanocrinus bacchus* = *L. (Lecanocrinus) bacchus*

*Ichthyocrinus bohemicus* Waagen and Jahn, 1899 = *Ichthyocrinus bohemicus*

*Ichthyocrinus burlingtonensis* Hall, 1858 = *Metichthyocrinus burlingtonensis*

*Ichthyocrinus capillaris?* (Phillips, 1839) = *Gissocrinus capillaris*

*Ichthyocrinus clarkensis* Miller and Gurley, 1894 = *Metichthyocrinus clarkensis*

*Ichthyocrinus clintonensis* Hall, 1852 = *Ichthyocrinus clintonensis*

*Ichthyocrinus? clintonensis* Hall, 1852 = *Ichthyocrinus clintonensis* = Possibly *Prolixocrinus* n. gen. Undetermined species J = Indeterminate flexible crinoid

- Ichthyocrinus conoideus* Ringueberg, 1890 = *Ichthyocrinus conoideus*
- Ichthyocrinus corbis* Winchell and Marcy, 1865 = *Ichthyocrinus corbis*
- Ichthyocrinus devonicus* Springer, 1920 = *Ichthyocrinus devonicus*
- Ichthyocrinus globulus* (Prokop, 1975) = *Ichthyocrinus globulus*
- Ichthyocrinus goniodactylus?* (Phillips, 1839) = *Gissocrinus goniodactylus*
- Ichthyocrinus gotlandicus* Wachsmuth and Springer, 1880 = *Ichthyocrinus gotlandicus*
- Ichthyocrinus greenei* S. A. Miller, 1892 = *Ichthyocrinus greenei* = *Clidocrinus greenei*
- Ichthyocrinus intermedius* Angelin, 1878 = *Ichthyocrinus intermedius*
- Ichthyocrinus laevis* (Conrad, 1842) = *Ichthyocrinus laevis*
- Ichthyocrinus laevis* Angelin, 1878 (part) = *Ichthyocrinus gotlandicus*
- Ichthyocrinus laevis* Angelin, 1878 (part) = *Ichthyocrinus pyriformis*
- Ichthyocrinus magniradialis* Weller, 1903 = *Lecanocrinus (Lecanocrinus) magniradialis*
- Ichthyocrinus mccoynus* Salter, 1873 = *Eutaxocrinus mccoynus*
- Ichthyocrinus nobilis* Wachsmuth and Springer, 1878 = *Parichthyocrinus nobilis*
- Ichthyocrinus philipsianus* Springer, 1920 = *Ichthyocrinus philipsianus*
- Ichthyocrinus pyriformis* (Phillips, 1839) = *Ichthyocrinus pyriformis*
- Ichthyocrinus pyriformis* Angelin, 1878 (part) = *Clidochirus pyyrum*
- Ichthyocrinus (Cyathocrinites) pyriformis* Phillips, 1839 = *Ichthyocrinus pyriformis*
- Ichthyocrinus schucherti* Talbot, 1905 = *Clidochirus schucherti*
- Ichthyocrinus simplex* (Hall, 1852) = *Ichthyocrinus laevis*
- Ichthyocrinus spinosulus* (Miller and Gurley, 1894) = *Wachsmuthicrinus spinosulus*
- Ichthyocrinus subangularis* Hall, 1863 = *Ichthyocrinus subangularis*
- Ichthyocrinus tesseracondactylus* (Hisinger, 1837-1841) = *Carpocrinus simplex*
- Ichthyocrinus tiareformis* Hall, 1858 = *Metichthyocrinus tiareformis*

*Ichthyocrinus tiariformis* Hall, 1858 [sic] = *Metichthyocrinus tiaraeformis*

*Ichthyocrinus* n. sp. Clement and Broadhead, 1994 = *Ichthyocrinus* n. sp.

*Ichthyocrinus bohemicus* Waagen and Jahn, 1899 = *Ichthyocrinus bohemicus*

**ICOSIDACTYLOCRINITES** Owen, 1843 = **GLYPTOCRINUS**

**ICOSIDACTYLOCRINUS** Shumard, 1866 = **GLYPTOCRINUS**

**ICTHYOCRINUS** Conrad, 1842. \**I. laevis* Conrad, 1842.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F.

Ichthyocrinidae

Conrad, 1842, p. 279. Bassler and Moodey, 1943, p. 520. Ubaghs *in* Moore and Teichert, 1978, p. T100, Fig. 74, no. 3. Moore *in* Moore and Teichert, 1978, p. T790, Figs. 506, no. 11a; 508, no. 2a. Webster, 1986, p. 177. Smith, A. B., 1985, p. 174. Webster, 1993, p. 71. Donovan et al., 2010, p. 105.

**ICTHYOCRINUS** Roemer, C. F. *in* Bronn and Roemer, 1851, p. 237. Hall, 1852a, p. 195. Pictet, 1857, p. 319. Dujardin and Hupé, 1862, p. 132. Shumard, 1868, p. 378. Salter, 1873, p. 126, Unum. Fig. Angelin, 1878, p. 13. Zittel, 1880, p. 343, 355. Wachsmuth and Springer, 1878, p. 252. Wachsmuth and Springer, 1880 (1879), p. 35 (256). Koken, 1896, p. 283. Weller, S., 1900, p. 145. Bather

*in*

Lankester, 1900, p. 188. Wachsmuth *in* Zittel, 1900, p. 163. Grabau, 1901a, p. 159. Grabau, 1901b, p. 159. Springer, 1902, p. 94. Delage and Herouard, 1903, p. 388. Springer, 1906, p. 516. Grabau and Shimer, 1910, p. 563, Fig. 1899. Springer *in* Zittel, 1913, p. 204. Bassler, 1915, p. 658. Wanner, 1916, p. 251. Springer, 1920a, p. 261. Springer, 1926a, p. 68. Bassler and Moodey, 1943, p. 520. Moore and Laudon, 1943b, p. 76, Fig. 11. Moore and Laudon, 1944, p. 183, Pl. 66, figs. 11, 15. Termier, G. and Termier, H., 1947, p. 256, Pl. 19, fig. 52. Cuénot, 1948, p. 67. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 756.

Webster,

1973, p. 155. Webster, 1977, p. 99; 1988, p. 97.

Named, currently recognized species based on cups or crowns: 11 species. 8

Silurian, 4 Wenlockian, 4 Niagaran; 3 Devonian, 1 Lochkovian, 2 Pragian

Middle Silurian, Wenlockian - Early Devonian, Pragian. Europe

Middle Silurian, Niagaran - Early Devonian, Lochkovian. United States

*Ichthyocrinus bohemicus* Waagen and Jahn, 1899, p. 29, Pls. 60, figs. 11-13; 61, figs. 6-9; Fig. 8. Prokop and Petr, 1990, p. 15.

*Ichthyocrinus bohemicus* (Waagen and Jahn), 1899. Springer, 1920a, p. 272, Pl. 36, fig. 15. Bassler and Moodey, 1943, p. 521. Webster, 1986, p. 177. Prokop and Petr, 1990, p. 15. Webster, 1993, p. 71.

*Ichthyocrinus bohemicus* Waagen and Jahn, 1899. Prokop, 1975, p. 418, Pls. 1, figs. 1-4; 2, figs. 1-2.

*Ichthyocrinus*??? sp. ind. Waagen and Jahn, 1899. Prokop and Petr, 1990, p. 28.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

*Ichthyocrinus burlingtonensis* Hall, 1858 = *Metichthyocrinus burlingtonensis*

*Ichthyocrinus clarkensis* Miller and Gurley, 1894 = *Metichthyocrinus clarkensis*

*Ichthyocrinus clintonensis* (Hall, 1852) = Indeterminate flexible crinoid

*Ichthyocrinus?clintonensis* (Hall, 1852) = *Ichthyocrinus clintonensis* = Indeterminate flexible crinoid

*Ichthyocrinus conoideus* (Ringueberg, 1890). *Nomen correctum*

*Ichthyocrinus conoideus* Ringueberg, 1890, p. 305, Pl. 3, fig. 5. Miller, S. A., 1892a, p. 680. Bassler, 1915, p. 658. Springer, 1920a, p. 272, Pl. 36, figs. 8-12. Bassler and Moodey, 1943, p. 521.

Silurian, Niagaran, Gasport Limestone. United States, New York

*Ichthyocrinus corbis* (Winchell and Marcy, 1865). *Nomen correctum*

*Ichthyocrinus corbis* Winchell and Marcy, 1865, p. 89. Bigsby, 1868, p. 21. Miller, S. A., 1881, p. 175, Pl. 4, fig. 5. Miller S. A., 1889, p. 256, Fig. 343. Bassler, 1915, p. 658. Springer, 1920a, p. 272, Pl. 36, figs. 1-7. Bassler and Moodey, 1943, p. 521. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 11. Strimple, 1963d,

p. 112, Pl. 9, fig. 6. Webster, 1973, p. 155.

Silurian, Niagaran, Racine Dolomite; Henryhouse Formation. United States, Illinois, Oklahoma

*Ichthyocrinus devonicus* (Springer, 1920). *Nomen correctum*

*Ichthyocrinus devonicus* Springer, 1920a, p. 272, Pl. 35, figs. 17a-17c. Bassler and Moodey, 1943, p. 521. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 17. Webster, 1973, p. 155.

Devonian, Lochkovian, Linden Formation, Birdsong Shale. United States, Tennessee

*Ichthyocrinus globulus* Prokop, 1975, p. 419, Pl. 2, figs. 3-4. Prokop and Petr, 1990, p. 28.

*Ichthyocrinus globulus* (Prokop, 1975). Webster, 1993, p. 71.

*Ichthyocrinus globus* Prokop, 1975. Webster, 1986, p. 177.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

*Ichthyocrinus globus* Webster, 1986 = *Ichthyocrinus globulus*

*Ichthyocrinus gotlandicus* (Wachsmuth and Springer, 1880). *Nomen correctum*

*Ichthyocrinus gotlandicus* Wachsmuth and Springer, 1880 (1879), p. 34 (257).

Springer, 1906, Pl. 6, fig. 6. Springer, 1920a, p. 202, Pl. 35, figs. 1-16. Bassler and Moodey, 1943, p. 521. Ubaghs, 1953, p. 756, Fig. 12. Webster, 1973, p. 155.



*Ichthyocrinus laevis* Angelin, 1878, p. 13, Pl. 22, figs. 20-21 only. Bassler and Moodey, 1943, p. 521.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Ichthyocrinus intermedius* Angelin, 1878. Donovan et al., 2010, p. 105, Fig. 45, nos. A-C.  
*Ichthyocrinus intermedius* Angelin, 1878, p. 13, Pl. 17, fig. 7. Weller, S., 1900, p. 43, Fig. 32. Springer, 1906, Pl. 6, fig. 5. Springer, 1920a, p. 272, Pl. 34, figs. 11-14. Bassler and Moodey, 1943, p. 521.  
Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. Sweden, Isle of Gotland; United Kingdom

\**Ichthyocrinus laevis* Conrad, 1842, p. 279, Pl. 15, fig. 16. Shumard, 1868, p. 378. Webster, 1986, p. 177.

*Ichthyocrinus laevis* (Conrad, 1842). Hall, 1852a, p. 193, Pl. 43, fig. 2. Billings, E. 1857c, p. 59, Unnum. Pl., fig. 4. Pictet, 1857, p. 319, Pl. 100, fig. 17a-17b. Lincklaen, 1861, p. 55, Pl. 7, fig. 3. Dujardin and Hupé, 1862, p. 132. Bigsby, 1868, p. 21. Quenstedt, 1876, p. 515, Pl. 108, fig. 24-B. Zittel, 1880, p. 355, Fig. 243. Quenstedt, 1885, p. 947, Pl. 76, fig. 2. Miller, S. A., 1889, p. 256, Fig. 344. Lesley, 1889, p. 229, Fig. 41.2-41.3. Zittel, 1895, p. 138, Fig. 273. Wachsmuth *in* Zittel, 1900, p. 163, Fig. 270. Grabau, 1901a, p. 159, Fig. 54. Grabau, 1901b, p. 159, Fig. 54. Springer, 1906, p. 477, Pl. 6, fig. 1. Grabau and Shimer, 1910, p. 564, Fig. 1900. Bassler, 1915, p. 658. Springer, 1920a, p. 272, Pl. 33, figs. 1-13. Bassler, 1938, p. 117. Bassler and Moodey, 1943, p. 521. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 1. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 3. Webster, 1973, p. 155. Brett, 1978b, p. 220, Figs. 2, 4. Ubaghs *in* Moore and Teichert, 1978, p. T118, Fig. 90, no. 2. Moore *in* Moore and Teichert, 1978, p. T790, Figs. 530, no. 3; 531, nos. 3a-3c. Conway Morris, 1981, p. 496, Pl. 2, fig. F. Brett, 1985b, p. 627, Figs. 1-2. Webster, 1988, p. 97. Boucot, 1990, p. 34, Fig. 23, nos. A-C.

*Taxocrinus laevis* (Billings, 1857). Miller, S. A., 1889, p. 286.

*Cyathocrinites pyriformis* Hall, 1843a, p. 111, Fig. 17, no. 3; Tab. Org. Rem., fig. 2.

*Cyathocrinus pyriformis* (Hall, 1843). Miller, S. A., 1889, p. 236. Bassler, 1915, p. 658. Bassler and Moodey, 1943, p. 521.

*Lecanocrinus simplex* Hall, 1852a, p. 202, Pl. 46, figs. 2a-3. Dujardin and Hupé, 1862, p. 132. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 658. Bassler and Moodey, 1943, p. 521.

*Ichthyocrinus simplex* (Hall, 1852). Wachsmuth and Springer, 1879, p. 258 (p. 35). Bassler, 1915, p. 658.

Silurian, Niagaran, Lockport Limestone, Rochester Shale. United States, New York;  
Canada, Ontario

*Ichthyocrinus nobilis* Wachsmuth and Springer, 1878 = *Parichthyocrinus nobilis*

*Ichthyocrinus phillipsianus* Springer, 1920. Donovan et al., 2010, p. 106, Fig. 46, nos. A-B. Donovan, et al., 2010, p. 137, Fig. 62, no.;A.

*Ichthyocrinus phillipsianus* Springer, 1920a, p. 284, Pl. 36, figs. 13-14.

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United

## Kingdom, Shropshire

*Ichthyocrinus* cf. *I.phillipsianus* Springer, 1920. Donovan, et al., 2010, p. 137, Fig. 62, nos

B-C.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom,

*Ichthyocrinus pyriformis* (Phillips, 1839). d'Orbigny, 1850, p. 46. Baily, 1875, Pl. 18, fig. 3. Cuénot, 1948, p. 67, Fig. 88. Brett, 1978b, p. 229, Fig. 10. Webster, 1986, p. 178. Widdison, 2000, p. 140, Fig. 1. Donovan et al., 2007, p. 48, Fig. 9, no. B. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 5. Donovan, 2009, p. 159, Fig. 5. Donovan et al., 2010, p. 107, Pl. 28, figs. 1-6; Fig. 47, nos. A-C. Fernhead and Donovan, 2012, p. 4, Fig. 2.

*Cyathocrinites pyriformis* Phillips in Murchinson, 1839, p. 672, Pl. 17, fig. 6. Hall, 1843a, p. 112, Pl. 17, fig. 2; Fig. 41, no. 3. Quenstedt, 1876, p. 501, Pl. 107, fig. 141. Bassler and Moodey, 1943, p. 522.

*Ichthyocrinus pyriformis* (Phillips, 1839). M'Coy, 1854, p. 54. Phillips in Murchinson, 1859, p. 246, Pl. 14, fig. 8. Pictet, 1857, p. 319, Pl. 100, fig. 17. Murchinson, 1872, p. 223, Pl. 14, fig. 8. Salter, 1873, p. 126. Angelin, 1878, p. 13, Pls. 9, figs. 17a-17c; 22, fig. 22 only. Quenstedt, 1885, p. 947, Pl. 76, fig. 1. Frech, 1902, Pl. 11, fig. 8. Springer, 1920a, p. 272, Pl. 32, figs. 1-13. Bassler and Moodey, 1943, p. 522. Webster, 1973, p. 155. Moore in Moore and Teichert, 1978, p. T791, Fig. 521, no. 3d. Brett, 1985, p. 103, Fig. 11, no. A. Smith, A. B., 1985, p. 174, Pl. 7.4.43. Webster, 1988, p. 98.

*Ichthyocrinus (Cyathocrinites) pyriformis* Phillips, 1839. Murchison, 1859, p. 246, Pl. 14, fig. 8.

*Cyathocrinus pyriformis* (Phillips in Murchinson, 1839). Quenstedt, 1885, p. 947, Pl. 76, fig. 1.

*Encrinus* sp. Whitehurst, 1786, p. 235, Pl. 7, fig. 1. Bassler and Moodey, 1943, p. 522.

*Pentacrinite* Parkinson, 1808, p. 258, Pl. 19, fig. 2. Bassler and Moodey, 1943, p. 522.

*Cyathocrinites tuberculatus* Miller, J. S., 1821, p. 88, Unnum. Pl., fig. 2 only.

*Cyathocrinus tuberculatus* (Miller, 1821). Bassler and Moodey, 1943, p. 522.

*Cladocrinites tuberculatus* (Miller, 1821). Austin and Austin, 1843, p. 197.

*Taxocrinus tuberculatus*, *Cyathocrinus tuberculatus* Miller, 1821. Müller, J., 1859, p. 186. Dujardin and Hupé, 1862, p. 147.

*Ichthyocrinus laevis* Angelin, 1878, p. 13, Pl. 9, figs. 17a-17e. Bassler and Moodey, 1943, p. 522.

Silurian, Wenlockian, Visby Beds; Much Wenlock Limestone Formation, Niagara Shale. Sweden, Isle of Gotland; United Kingdom; United States, New York

*Ichthyocrinus spinulosus* Miller and Gurley, 1894 = *Wachsmuthicrinus spinulosus*

*Ichthyocrinus subangularis* (Hall, 1863). Shumard, 1868, p. 378.

*Ichthyocrinus subangularis* Hall, 1863a, p. 7. Hall, 1864b, p. 201. Hall, 1864c, p. 325, Pl. 11, figs. 16-17. Hall, 1867b, p. 325, Pl. 11, figs. 15-16. Hall, 1870, p. 367,

Pl. 11, figs. 15-16. Hall, 1879a, p. 137, Pl. 16, figs. 11-13. Hall, 1882b, p. 268, Pls.

15, figs. 12-13; 16, figs. 11-13. Miller, S. A., 1889, p. 256. Weller, S., 1900, p. 146, Pl. 15, figs. 3-5. Springer, 1906, p. 477, Pl. 6, fig. 2. Bassler, 1915, p. 658. Springer, 1920a, p. 272, Pl. 34, figs. 1-10. Springer, 1926a, p. 69, Pl. 22, figs. 12-13. Bassler and Moodey, 1943, p. 522. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 7. Moore and Laudon, 1944, p. 183, Pl. 54, fig. 5. Webster, 1973, p. 155. Silurian, Niagaran, ?Rochester Shale, Waldron Shale, Racine Dolomite. United States, New York, Indiana, Illinois

*Ichthyocrinus tiareformis* Hall, 1858 = *Metichthyocrinus tiareformis*

*Ichthyocrinus* n. sp. *Nomen correctum*

*Ichthyocrinus* n. sp. Clement and Broadhead, 1994, p. 47. Devonian, Lochkovian, Ross Formation lower part of Rockhouse Member. United States, Tennessee

*Ichthyocrinus* sp. Ubaghs in Moore and Teichert, 1978, p. T190, Fig. 161, no. 1. Webster, 1986, p. 178. Silurian, Devonian. no locality given

*Ichthyocrinus*??? sp. ind. Waagen and Jahn, 1899 = *Ichthyocrinus bohemicus*

**IDAEUMOCRINUS** Le Menn, 1987a. *\*I. rotundus* Le Menn, 1987a.

"Inadunata", Sbo. - F. uncertain

Le Menn, 1987a, p. 227. Webster, 1993, p. 71.

Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian – Pragian species  
Devonian, Lochkovian - Pragian. France

*\*Idaeumocrinus rotundus* Le Menn, 1987a, p. 228, Pl. 1, fig. 1; Fig. 6. Webster, 1993, p. 71.

Devonian, late Lochkovian - Pragian, Saint-Cenere Formation. France

**IDIOCRINUS** Wachsmuth and Springer, 1892 = **GAZACRINUS**

*Idiocrinus elongatus* Wachsmuth and Springer, 1892 = *Gazacrinus inornatus*

*Idiocrinus immaturus* (Hall, 1857) = *Gazacrinus immaturus*

*Idiocrinus? tennesseeensis* Wachsmuth and Springer, 1897 = *Hormocrinus tennesseeensis*

*Idiocrinus ventricosus* Wachsmuth and Springer, 1892 = *Gazacrinus ventricosus*

**IDOSOCRINUS** Wright, 1954. *\*I. bispinosus* Wright, 1954.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Phanocrinidae

Wright, J., 1954b, p. 167. Webster, 1973, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T693. Webster, 1986, p. 178. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 71.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland

\**Idosocrinus bispinosus* Wright, J., 1954b, p. 167, Pl. 3, figs. 1-2; fig. 1. Wright, J., 1960,

p. 332, Appendix, Pl. B, fig. 1. Webster, 1973, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T693, Fig. 456, no. 4. Webster, 1986, p. 178.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

*Idosocrinus tumidus* Wright, J., 1954b, p. 169, Pl. 3, fig. 3. Wright, J., 1960, p. 332, Appendix, Pl. B, fig. 7. Webster, 1973, p. 156.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

**ILLEMOCRINUS** Eckert, 1987b. \**I. ampliatus* Eckert, 1987b.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae

Eckert, 1987b, p. 862. Webster, 1993, p. 72. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian (Caradocian). Canada, Ontario

\**Illemocrinus ampliatus* Eckert, 1987b, p. 863, Figs. 1-4. Webster, 1993, p. 72. Brett and Taylor *in* Hess et al., 1999 p. 69, Fig. 81.

Ordovician, Sandbian (Caradocian), upper member Bobcaygeon Formation. Canada, Ontario

**ILMOCRINUS** Solv'yeva, 1984. \**I. dissymmetricus* Solv'yeva, 1984.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Webster and Lane, 1987, p. 12. Solov'yeva, 1984, p. 114. Solov'yeva, 1985, p. 114.

Webster, 1988, p. 98. Webster, 1993, p. 72.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, late Viséan. Russia, Middle Urals

\**Ilmocrinus dissymmetricus* Solv'yeva, 1984, p. 116, Figs. 1-2. Solov'yeva, 1985, p. 116, Figs. 1-2. Webster, 1988, p. 98.

Mississippian, late Viséan, Serpukhovian. Russia, Middle Urals

**IMITOOCRINUS** Schmidt, 1934. \**Cyathocrinus gracilior* Roemer, 1863.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Schmidt, W. E., 1934, p. 104. Bassler, 1938, p. 117. Bassler and Moodey, 1943, p. 523. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 752. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 156. Webster, 1977, p. 99. Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 178.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian. Germany

\**Imitatocrinus gracilior* (Roemer, 1863). Schmidt, W. E., 1934, p. 105, Pls. 19, figs. 1-3; 20, fig. 1; 26, fig. 2; Fig. 25. Bassler and Moodey, 1943, p. 523. Lehmann, 1943, Unnum. Fig. p. 18. Webster, 1977, p. 99. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 399, no. 4. Bergstrom, Sturmer, and Winter, 1980, p. 32, Fig. 23, no. a. Webster, 1986, p. 178. Südkamp, 1989a, p. 11, Fig. D-12. Bartels and Brassel, 1990, p. 166, Figs. 152-153. Bartels, 1994, p. 49, Figs. 28-29. Bartels, 1995, p. 41, Unnum. Fig.; p. 46, Fig. 1. Bartels, Briggs, and Brassel, 1998, p. 185, Fig. 161; p. 189, Fig. 165; 195, Fig. 172. Südkamp, 1995a, p. 117, unnumbered figs. p. 117, 121.

*Cyathocrinus gracilior* Roemer, C. F., 1863, p. 149, Pls. 25, figs. 8, 10; 29, fig. 1. Bassler, 1938, p. 117. Bassler and Moodey, 1943, p. 523.

*Agriocrinus gracilior* (Roemer, 1863). Opitz, 1932, p. 105, Fig. 103. Bassler and Moodey, 1943, p. 523.

*Agriocrinus frechi* Opitz, 1932, p. 104, Fig. 102. Bassler and Moodey, 1943, p. 523. Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Imperatoria? anomala* (Gregorio, 1930) = *Imperatorio? anomala*

*Imperatoria marconii* (Gregorio, 1930) = *Imperatorio marconii*

**IMPERATORIO** Gregorio, 1930. \**I. marconii* Gregorio, 1930.

Classification uncertain

Gregorio, 1930, p. 39. Bassler and Moodey, 1943, p. 523. Jeffords *in* Moore and Teichert, 1978, p. T937 (based on disarticulated skeletal elements).

Named, currently recognized species based on cups or crowns: 2 Permian, Wordian species

Permian, Wordian. Sicily

*Imperatorio? anomala* Gregorio, 1930, p. 40, Pl. 14, figs. 17-18.

*Imperatoria? anomala* (Gregorio, 1930). Bassler and Moodey, 1943, p. 523.

Permian, Wordian. Sicily

\**Imperatorio marconii* Gregorio, 1930, p. 39, Pl. 14, figs. 9-16. Jeffords *in* Moore and Teichert, 1978, p. T937 (based on disarticulated skeletal elements).

*Imperatoria marconii* (Gregorio, 1930). Bassler and Moodey, 1943, p. 523 (Doubtful crinoid columnal).

Permian, Wordian. Sicily

Impression of crinoid calyx Etheridge *in* Jack and Etheridge, 1892, p. 210, Pl. 44, fig. 8.

Pennsylvanian, Westphalian, Neerkol Formation. Australia, Queensland

Inadunata? Fam. et gen, et species indet. Franke, 2012, p. 29, Pl. 9, figs. 2-3.  
Devonian, Emsian, Wiltz Beds. Germany

Inadunata fam., gen. et sp. ind. Prokop and Petr, 1990, p. 61. Webster, 1993, p. 72.  
Restes indéterminés Waagen and Jahn, 1899, Pl. 78, fig. 3, no. 14 (only). Prokop  
and Petr, 1990, p. 61.  
Silurian, late Wenlockian, Liten Formation. Czech Republic

Inadunate brachial Sevastopulo and Keegan, 1980, p. 752, Pl. 95, figs. 1, 3.  
Webster, 1986, p. 323.  
Mississippian, Brigantian age, Charlestown Main Limestone. Ireland; United  
Kingdom, Scotland

Inadunate crinoid  
Conkin and Conkin, 1976, p. 212, Fig. 14, no. 41. Webster, 1988, p. 98.  
Middle Mississippian. no locality data  
Speyer and Brett, 1991, p. 517, Fig. 8, no. A. (diagramatic)

Inadunate crinoid crown Priest, 1972, Unnum. Fig. lower left, p. 88. Webster, 1977, p.  
181.  
No age or locality given

Inadunate crinoids, various Lane, *et al.*, 1995, p. 93, Pl. 1, figs. 3-7.  
Late Devonian. Western China

Inadunate crinoid Lane *et al.*, 1995 (part) = *Bridgerocrinus minutus* = *Sostronocrinus  
minutus*

Inadunate crinoid Lane *et al.*, 1995 (part) = Genus and species indeterminate Lane,  
Waters, and Maples, 1997

Inadunate indet. Jell *et al.*, 1988, p. 395, Fig. 27, no. R.  
Devonian, Pragian (*sulcatus* Biozone), Garra Formation. Australia, Queensland

Inadunate radial indet. #1 Webster, 1987, p. 127, Fig. 16, nos. A-B. Webster, 1993, p.  
72.  
Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

Inadunate radial indet. #2 Webster, 1987, p. 128, Figs. 16, no. I; 17, nos. A-B. Webster,  
1993, p. 72.  
Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

Inadunate radial indet. #3 Webster, 1987, p. 129, Fig. 16, no. G. Webster, 1993, p. 72.

Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial indet. #4 Webster, 1987, p. 129, Fig. 16, no. J. Webster, 1993, p. 72. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial indet. #5 Webster, 1987, p. 130, Fig. 16, no. F. Webster, 1993, p. 72. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial indet. #6 Webster, 1987, p. 130, Fig. 16, no. O. Webster, 1993, p. 72. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial #7 Webster, 1987 = *Cosmetocrinus? middalyaensis*

Inadunate radial indet. #8 Webster, 1987, p. 131, Fig. 16, nos. C-E. Webster, 1993, p. 73. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial indet. #9 Webster, 1987, p. 131, Fig. 16, nos. L-M. Webster, 1993, p. 73. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate radial indet. #10 Webster, 1987, p. 132, Fig. 16, no. H. Webster, 1993, p. 73. Early Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Inadunate spinose brachial

*Actinocrinus* sp. Geinitz, 1867a, p. 64, Pl. 4, fig. 29. (Poteriocrinid spinose brachial, GDW.)

Pennsylvanian. United States, Nebraska

Incerti ordinis B Lane, 1970. Donovan, 1988c, p. 238. Webster, 1993, p. 73. Ordovician, Tremadocian-Floian (Arenigian) boundary, Fillmore Limestone. United States, Utah

Incerti ordinis C Lane, 1970. Donovan, 1988c, p. 238. Webster, 1993, p. 73. Ordovician, Tremadocian-Floian (Arenigian) boundary, Fillmore Limestone. United States, Utah

Incerti ordinis camerate sp. indet. Donovan and Gilmour, 2003, p. 159, Figs. 1, no. b; 2, no. B. Ordovician, Katian (Ashgillian), Lady Burn Starfish Beds. United Kingdom, Scotland

- Incerti ordinis D Lane, 1970. Donovan, 1988c, p. 238. Webster, 1993, p. 73.  
Ordovician, Tremadocian-Floian (Arenigian) boundary, Fillmore Limestone. United States, Utah
- Incrusting echinoderms Alberstadt and Walker, 1976, p. 264, Figs. 5; 6, nos. A, C-E; 8. Webster, 1986, p. 323.  
Middle Ordovician, Carters Limestone. United States, Tennessee
- Indeterminate archaeocrinid Donovan, 1989d, p. 80, Pl. 10, fig. 10. Donovan, 1989e, p. 249, Fig. 11.4, no. D. Webster, 1993, p. 73.  
Ordovician, Sandbian (Cardocian). United Kingdom
- Indeterminate Articulate Webster et al., 2009, p. 45, Pl. 5, figs. 5-8.  
Permian, Sakmarian, Saiwan Formation. Oman
- Indeterminate calceocrinids Eckert, 1984, p. 70, Pl. 4, figs. 10-11. Webster, 1988, p. 98.  
Early Silurian, Cabot Head Formation. Canada, Ontario
- Indeterminate Camerate? arms Webster et al., 2003, p. 10, Figs. 11.2-11.3.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Indeterminate camerate crinoid Paul, 1976a, p. 35, Fig. 2, nos. j-p. Webster, 1986, p. 323.  
Ordovician, Floian (Late Canadian). Greenland
- Indeterminate camerate? partial crown #1 Webster et al., 2003, p. 32.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Indeterminate Cladid, columnals and cup ossicles Webster et al., 2009, p. 40, unfig.  
Permian, Sakmarian, Saiwan Formation. Oman
- Indeterminate cladid partial crown #1 Webster et al., 2003, p. 32.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Indeterminate Cladid, sets of arms Webster et al., 2009, p. 40, Pls. 2, figs. 4-10.  
Permian, Sakmarian, Saiwan Formation. Oman
- Indeterminate crinoid species A Donovan and Veltkamp, 1993, p. 610, Figs. 3.3, 9.1-9.2, 10.1.  
Ordovician, Hirnantian (late Ashgillian). United Kingdom, Wales
- Indeterminate crinoid species B Donovan and Veltkamp, 1993, p. 611, Figs. 3.4, 9.4.  
Ordovician, Hirnantian (late Ashgillian). United Kingdom, Wales
- Indeterminate crinoid sp. A Botting, 2003, p. 699, Pl. 4, figs. 3-4.  
Middle Ordovician, Darriwilian (Llanvirnian), volcanogenic sandstones. United Kingdom, Wales



- Indeterminate crinoid sp. B Botting, 2003, p. 702, Pl. 4, figs. 8, 10.  
Middle Ordovician, Darriwilian (Llanvirnian), volcanogenic sandstones. United Kingdom, Wales
- Indeterminate flexible crinoid Donovan, 1989d, p. 78, Fig. 30. Webster, 1993, p. 73.  
*Myelodactylus?* sp. Marr, 1892, p. 110. Donovan, 1989d, p. 78. Webster, 1993, p. 73.  
*Myelodactylus* sp. Marr, 1913, p. 5. Donovan, 1989d, p. 78. Webster, 1993, p. 73.  
Unidentified dicyclic inadunate crinoid Ramsbottom, 1961. Donovan, 1989d, p. 78. Webster, 1993, p. 73.  
Ordovician, Hirnantian (Ashgillian), near top Ashgill Shales. United Kingdom
- Indeterminate flexible crinoid arms Eckert and Brett, 2001, p. 9, Fig. 1, no. J.  
*Ichthyocrinus clintonensis* Hall, 1852a, p. 181, Pl. 41, figs. 6a-6c (sic). Bassler and Moodey, 1943, p. 521.  
*Ichthyocrinus?clintonensis* (Hall, 1852). Shumard, 1868, p. 378. Eckert and Brett, 2001, p. 9.  
*Ichthyocrinus? clintonensis* Hall, 1852. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 256. Bassler, 1915, p. 658.  
Silurian, Niagaran, Rjeynales Limestone. United States, New York
- Indetereminate flexible crinoid  
Possibly *Prolixocrinus* n. gen. Eckert and Brett, 2001, p. 7, Fig. 1, no. E.  
*Ichthyocrinus? clintonensis* Hall, 1852. Eckert and Brett, 2001, p. 7.  
Silurian, "Clinton Group". United States, New York
- Indeterminate infrabasal circlets Itano et al., 2003, p. 92, Fig. 6, nos. 5-9.  
Pennsylvanian, late Atokan, Minturn Formation. United States, Colorado
- Indeterminate ossicles Donovan, 2011c, p. 183, Fig. 1, nos. j-k.  
Ordovician, Sandbian (early Caradocian). England, Shropshire
- Indeterminate pirasocrinid plates, species A Pabian and Rushlau, 2002, p. 28, Figs. 12, nos. 9-10; 13, nos. 1-5.  
Pennsylvanian, Virgilian, Kanwaka Formation. United States, Iowa
- Indeterminate pirasocrinid plates, species B Pabian and Rushlau, 2002, p. 28, Fig. 13, nos. 6-9.  
Permian, Wolfcampian, Hughes Creek Shale. United States, Nebraska
- Indeterminate pirasocrinid plates, species C Pabian and Rushlau, 2002, p. 28, Fig. 13, nos. 10-13.  
Permian, Wolfcampian, Hughes Creek Shale. United States, Nebraska
- Indeterminate primitive poteriocrinid Webster et al., 2001, p. 109, Pl. 3, figs. C-E.  
Devonian, Early Famennian, Bahram Formation. Southeastern Iran

Indeterminate set of arms #1 Webster et al., 2003, p. 32.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Indeterminate set of arms #2 Webster et al., 2003, p. 32.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Indeterminate set of arms #3 Webster et al., 2003, p. 32.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Indeterminate set of arms #4 Webster et al., 2003, p. 32.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Indeterminate Sycocrinid Webster et al., 2009, p. 32, Pl. 1, figs. 1-2.

Permian, Sakmarian, Saiwan Formation. Oman

Indéterminé

Termier, G. and Termier, H., 1950, p. 218, Pl. 217, fig. 16 (partial theca). Webster, 1973, p. 274.

Pennsylvanian, early Westphalian. Algeria

Termier, G. and Termier, H., 1950, p. 222, Pl. 219, figs. 24-25 (brachials). Webster, 1973, p. 274.

Early Devonian. Algeria

**INDIANOCRINUS** Miller and Gurley, 1895 = **HYBOCRINUS**

*Indianocrinus punctatus* Miller and Gurley, 1895 = *Hybocrinus punctatus*

**INDOCRINUS** Wanner, 1916. \**I. elegans* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Wanner, 1916, p. 74. Wanner, 1924, p. 211. Wanner, 1931, p. 4. Bassler, 1938, p. 118. Yakovlev, 1939e, p. 832. Yakovlev, 1939f, p. 832. Bassler and Moodey, 1943, p. 523. Moore and Laudon, 1943b, p. 64. Branson, C. C., 1948, p. 196. Yakovlev, 1956a, p. 24, Figs. 3, nos. 2-3; 37, nos. 2-4. Yakovlev, 1958, p. 13, Figs. 3, nos. 2-3; 37, nos. 2-4. Yakovlev, 1964a, p. 24, Figs. 3, nos. 2-3; 39, nos. 2-4. Arendt and Hecker, 1964, p. 92. Webster, 1973, p. 156. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T662. Arendt, 1981, p. 57. Webster, 1986, p. 178. Webster, 1988, p. 98.

Named, currently recognized species based on cups or crowns: 5 Permian species, 1 Artinskian, 4 series uncertain

Permian, series uncertain. West Timor

Permian, Artinskian. Russia, Ural Mountains

*Indocrinus angulosus* Wanner, 1931 = *Pumilindocrinus angulosus*

*Indocrinus brevijugatus* Wanner, 1931 = *Rimosindocrinus brevijugatus*

*Indocrinus contignatus* Wanner, 1931 = \**Contignatocrinus contignatus*

*Indocrinus crassus* Wanner, 1916, p. 81, Pl. 103 (8), figs. 4-6 only; Figs. 16, 19-20. Wanner, 1924, p. 213, Pl. 9, figs. 17-19. Bassler and Moodey, 1943, p. 523. Branson, C. C., 1948, p. 197. Yakovlev, 1950, p. 94, Fig. 1, no. 4. Yakovlev, 1957, p. 12, Fig. 2, no. g. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 16. Webster, 1973, p. 156. Arendt, 1981, p. 65, Pls. 20, figs. 1-2; 21, figs. 1-3; 22, figs. 1-2; Figs. 17, z-o; 25, fig. g; 27, fig. zh; 28, figs. k-r. Webster, 1988, p. 98. Permian, series uncertain. West Timor, Basleo

*Indocrinus crassus* Wanner, 1916 (part) = *Indocrinus turgidus*

\**Indocrinus elegans* Wanner, 1916, p. 78, Pl. 103 (8), figs. 1, 3; Figs. 13-15. Wanner, 1924, p. 212, Pls. 9, figs. 16, 25; 10, figs. 4-6. Bassler, 1938, p. 118. Bassler and Moodey, 1943, p. 524. Branson, C. C., 1948, p. 197. Yakovlev, 1957, p. 12, Fig. 2, no. d. Arendt and Hecker, 1964, p. 92, Fig. 134. Webster, 1973, p. 156. Ubaghs in Moore and Teichert, 1978, p. T124, Fig. 183, no. 1-4. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T662, Fig. 434, nos. 1a-1d. Arendt, 1981, p. 61, Pls. 23, figs. 2-4; 24, fig. 1; 25, fig. 1; Figs. 17, nos. a-zh; 18, no. z. Webster, 1986, p. 178. Webster 1988, p. 98. Permian, series uncertain. West Timor, Basleo

*Indocrinus nodosus* Wanner, 1916, p. 85, Pl. 103 (8), Fig. 21. Wanner, 1924, p. 213, Pl. 10, figs. 1-3; Fig. 32. Bassler and Moodey, 1943, p. 524. Branson, C. C., 1948, p. 197. Arendt, 1981, p. 57, Figs. 18, nos. i-k; 19, nos. a-b. Webster, 1988, p. 98. Permian, series uncertain. West Timor, Basleo

*Indocrinus? pizovi* Yakovlev in Yakovlev and Ivanov, 1956 = *Indocrinus? pizowi*

*Indocrinus pizowi* Yakovlev, 1926 = *Proindocrinus pizowi*

*Indocrinus? pizowi* Yakovlev in Yakovlev and Ivanov, 1956, p. 61, Pl. 11, figs. 6-10; Fig. 17. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 17. Webster, 1973, p. 156. *Indocrinus? pizovi* Yakovlev in Yakovlev and Ivanov, 1956. Yakovlev, 1964b, p. 59, Fig. 69. Permian, late Artinskian. Russia, Krasnoufimsk

*Indocrinus pumilus* Wanner, 1931 = *\*Pumilindocrinus pumilus*

*Indocrinus rimosus* Wanner, 1916 = *\*Rimosindocrinus rimosus*

*Indocrinus rimosus pachycephalus* Wanner, 1931 = *Rimosindocrinus pachycephalus*

*Indocrinus turgidus* Wanner, 1931, p. 7, Pl. 1, figs. 6-9. Bassler and Moodey, 1943, p. 524. Branson, C. C., 1948, p. 197. Arendt, 1981, p. 68, Pls. 22, fig. 3; 23, fig. 1; Fig. 17, nos. p-t. Webster, 1988, p. 98. *Indocrinus crassus* Wanner, 1916, p. 81, Pl. 102, fig. 7 only. Branson, C. C., 1948, p. 197. Arendt, 1981, p. 68.

Permian, series uncertain. West Timor, Basleo

*Indocrinus* sp. Yakovlev, 1952b, p. 150, Figs. 3-4 (part). Webster, 1973, p. 156.  
Permian. Russia

Infrabasal circlet of new genus of stemless crinoid Sevastopulo, 2002, p. 9, Fig. 4, no. j.  
Mississippian, Asbian. Ireland, County Sligo

Infrabasal or basal circlet de Witry, 1780, Fig. 5.  
Mississippian, Tournaisian. Belgium

Inside a calyx Westhead, 1978, 3, no. c. (diagramatic)

*INTERMEDIACRINUS* Sutton and Winkler, 1940 = ***EUPACHYCRINUS***

*Intermediacrinus asperatus* (Worthen, 1882) = *Eupachycrinus asperatus*

*Intermediacrinus basalotumidus* (Sutton and Winkler, 1940) = *Eupachycrinus basalotumidus*

*Intermediacrinus davidsoni* Burdick and Strimple, 1969 = *Eupachycrinus davidsoni*

*Intermediacrinus hinmani* Burdick and Strimple, 1971 = *Eupachycrinus hinmani*

*Intermediacrinus modernus* (Strimple, 1951) = *Eupachycrinus? modernus*

*Intermediacrinus monroensis* (Worthen, 1882) = *Eupachycrinus monroensis*

*Intermediacrinus nitidus* (Wright, 1942). Ausich and Kammer, 2006, p. 105.  
*Hydreionocrinus nitidus* Wright, J., 1942, p. 278, Pl. 11, figs. 19, 23. Wright, J., 1951b, p. 90, Pl. 15, figs. 7, 10. Webster, 1973, p. 153. Ausich and Kammer, 2006, p. 105.

Mississippian, Viséan. United Kingdom

*Intermediacrinus pentalobus* (Hall, 1858) = *Eupachycrinus pentalobus*

*Intermediacrinus platycalyx* (Sutton and Winkler, 1940) = *Eupachycrinus platycalyx*

*Intermediacrinus spartarius* (Miller, 1879) = *Eupachycrinus boydii*

*Intermediacrinus subtumidus* (Worthen, 1873) = *Eupachycrinus subtumidus*

*Intermediacrinus tumidus* Sutton and Winkler, 1940 = *Eupachycrinus tumidus*

*Intermediacrinus variabilis* Sutton and Winkler, 1940 = *Eupachycrinus variabilis* = *E. boydii*.

**INYOOCRINUS** Ausich, 1986. \**I. strimplei* Ausich, 1986.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Ausich, 1986d, p. 221. Webster, 1993, p. 73. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Ordovician, Floian (Arenigian). United States, California

\**Inyocrinus strimplei* Ausich, 1986d, p. 222, Figs. 3-4. Donovan, 1988c, p. 237.

Webster, 1993, p. 73.

Ordovician, Floian (Arenigian), Al Rose Formation. United States, California

**IOCRINUS** Hall, 1866. \**Heterocrinus subcrassus* Meek and Worthen, 1865.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae

Hall, 1866, p. 5. Hall, 1872b, p. 212. Wachsmuth and Springer, 1880 (1879), p. 62

(285). Wachsmuth and Springer, 1883b, p. 370, Fig. 4, p. 366; Fig. 4, p. 375.

Wachsmuth and Springer, 1886, p. 203 (127). Miller, S. A., 1889, p. 256, Fig.

345. Bather, 1890b, p. 317, Pl. 14, fig. 5. Zittel, 1895, p. 134. Bather, 1899a, p.

42. Bather *in* Lankester, 1900, p. 145. Wachsmuth *in* Zittel, 1900, p. 153.

Cumings, 1908, p. 713. Springer *in* Zittel, 1913, p. 212. Bassler, 1915, p. 667.

Fritz, 1925, p. 12. Ulrich *in* Foerste, 1925, p. 82. Bassler, 1938, p. 118. Bassler

and Moodey, 1943, p. 524. Moore and Laudon, 1943b, p. 29, Figs. 1, 3. Moore

and Laudon, 1944, p. 143, Pl. 52, fig. 15. Moore, 1950, p. 34, Fig. 1, nos. c-d.

Ubaghs, 1953, p. 744, Fig. 140, no. B. Ramsbottom, 1961, p. 3, Fig. 3. Moore,

1962b, p. 8, Figs. 1, no. 7; 11, no. 1. Philip, 1963, p. 268, Fig. 3, no. a. Arendt

and Hecker, 1964, p. 80. Philip, 1965a, p. 148, Fig. 1, no. b. Webster, 1973, p.

156. Webster, 1977, p. 100. Moore and Lane *in* Moore and Teichert, 1978, p.

T552. Kelly, 1982, p. 288, Figs. 6, no. 6; 9, nos. 2, 8. Smith, A. B., 1985, p. 169.

Webster, 1986, p. 179. Ausich, 1988, p. 913, Fig. 2, no. 2. Webster, 1988, p. 99.

Donovan and Gale, 1989, p. 313. Webster, 1993, p. 73. Donovan, Paul, and

Lewis, 1996, p. 203. Sprinkle and Guensburg, 1997, p. 214, Fig. 7. Ausich,

1998b, p. 36. Brower, 2008a, p. 58, Fig. 1. Donovan et al., 2011, p. 526.

**JOCRINUS** Jaekel, 1918, p. 37. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 524.

Named, currently recognized species based on cups or crowns: 6 Ordovician species, 1 subspecies, 1 Darriwilian, 1 Sandbian – Katian, 4 Katian (+1 subspecies)

Ordovician, Champlainian - Cincinnati. North America

Ordovician, Darriwilian – Katian (Llanvirnian – Caradocian). United Kingdom

*Iocrinus brithdirens* Bates, 1965 = *Margoiocrinus britjhdirensis*

*Iocrinus? cambriensis* Hicks, 1873 = *Ramseyocrinus cambriensis*

*Iocrinus crassus* (Meek and Worthen, 1865). Wachsmuth and Springer, 1880 (1879),

p. 72 (295). Miller, S. A., 1889, p. 257. Bassler, 1915, p. 667. Bassler and

Moodey, 1943, p. 524. Moore and Laudon, 1944, p. 143, Pls. 52, fig. 15; 53, fig.

2. Moore, 1962b, p. 40, Pls. 2, figs. 3-4; 3, fig. 4; Fig. 16, no. 2. Webster, 1973,

- p. 157. Moore and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 346, nos. 2c-2f. Smith, A. B., 1985, p. 169, Pl. 7.4.13. Webster, 1986, p. 179. Webster, 1988, p. 99.
- Heterocrinus crassus* Meek and Worthen, 1865b, p. 147. Meek and Worthen, 1868c, p. 324, Pl. 4, figs. 1a-1c. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Worthen and Meek, 1875, p. 493, Pl. 23, fig. 1. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 667. Bassler, 1938, p. 118. Bassler and Moodey, 1943, p. 524.
- Ordovician, Katian (late Cincinnati), Maquoketa Formation. United States, Illinois, Ohio
- Iocrinus llandegleyi* Botting, 2003, p. 693, Pl. 2, figs. 1-7; Fig. 5.  
Ordovician, Darriwilian (Llanvirnian), volcanogenic sandstones. United Kingdom, Wales
- Iocrinus* ("*Caleidocrinus*") *multiramus* Springer, 1920 = *Caleidocrinus* (*Caleidocrinus*) *multiramus*
- Iocrinus pauli* Donovan and Gale, 1989, p. 314, Figs. 1-3. Donovan, 1989d, p. 71, Pls. 7, fig. 6; 13, fig. 11; Fig. 25, no. A. Donovan, 1989e, p. 249, Fig. 11.4, no. B. Donovan, 1991b, p. 247, Fig. 11.4, no. B. Webster, 1993, p. 74. Donovan, 1996a, p. 197, Fig. 1; 2, no. c. Donovan and Lewis, 2008b, p. 12, Fig. 1.  
Monocyclic crinoid Donovan, 1999, p. 573, Fig. 38.6.  
Ordovician, Darriwilian (late early Llanvirnian or early late Llanvirnian), *Didymograptus bifidus* Beds. United Kingdom
- Iocrinus* sp. cf. *I. pauli* Donovan and Gale, 1989, p. 317, Fig. 4. Donovan, 1989d, p. 71, Pl. 122, figs. 1-2; Fig. 26. Webster, 1993, p. 74.  
Ordovician, Darriwilian (early Llandeilian), Llandeilo Flags. United Kingdom
- Iocrinus polyxo* (Hall, 1866) = *Iocrinus subcrassus*
- Iocrinus shelvensis* Ramsbottom, 1961 = *Margoiocrinus shelvensis*
- Iocrinus similis* (Billings, 1857). Wilson, A. E., 1946, p. 33, Pl. 5, fig. 3; Fig. 2. Webster, 1973, p. 157.  
Ordovician, Katian (Champlainian), Cobourg Limestone. Canada, Ontario
- \**Iocrinus subcrassus* (Meek and Worthen, 1865). Wachsmuth and Springer, 1880 (1879), p. 72 (295). Miller, S. A., 1889, p. 257, Fig. 346. Bather, 1899a, p. 35, Fig. 11. Bather, 1900b, p. 120, Fig. 26, no. 1. Cumings, 1908, p. 726, Pl. 4, figs. 7-7a. Bassler, 1915, p. 667. Bassler and Moodey, 1943, p. 524. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 11. Moore and Laudon, 1944, p. 143, Pl. 53, figs. 10-11. Wilson, A. E., 1946, p. 34. Ubaghs, 1953, p. 744, Fig. 18, no. d. Caster, Dalve, and Popo, 1961, Pl. 1, fig. 14. Moore, 1962b, p. 40, Pls. 2, figs. 1-2; 3, fig. 3; Fig. 167, no. 1. Bolton and Copeland, 1972b, p. 56, Pl. B, fig. 15. Priest, 1973, p. 74, Fig. 6. Webster, 1973, p. 157. Webster, 1977, p. 100. Moore

- and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 346, nos. 2a-2b. Webster, 1986, p. 179. Davis, 1992, p. 41, Pl. 1, fig. 14. Ausich, 1996b, p. 244, Fig. 17-3, nos. 5-6. Morris and Felton, 2003, p. 552, Fig. 3, no. B. Brower, 2008a, p. 62. Kirchner and Brett, 2008, p. 179, Fig. 5, no. C. Brett, Deline and McLaughlin, 2008, p. 27, Figs. 2.3, no. 4; 2.7. Ausich, 2009b, Fig. 4. Meyer and Davis, 2009, p. 178, Figs. 12.3, nos. A-B; 12.7, no. A
- Actinocrinus subcrassus* Meek and Worthen, 1865b, p. 148. Bassler, 1915, p. 667.
- Heterocrinus subcrassus* Meek and Worthen, 1868c, p. 325, Pl. 4, figs. 5a-5d. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. ?Dyche, 1892, p. 130. Bassler, 1915, p. 667. Bassler and Moodey, 1943, p. 524.
- Heterocrinus (locrinus) subcrassus* Meek and Worthen, 1873, p. 15, Pl. 1, figs. 9a-9b. Bassler, 1915, p. 667. Bassler and Moodey, 1943, p. 525.
- Heterocrinus? (locrinus) polyxo* Hall, 1866, p. 5, Pl. 1, figs. 1-4. Hall, 1872a, p. 8, Pl. 5, figs. 1-4. Hall, 1872b, p. 212, Pl. 5, figs. 1-4. Bassler, 1915, p. 668. Bassler and Moodey, 1943, p. 525.
- Heterocrinus polyxo* Hall, 1866. Miller, S. A., 1889, p. 252.
- locrinus polyxo* (Hall, 1866). Miller, S. A., 1889, p. 257.
- Ordovician, Katian (Champlainian – Cincinnati), Mt. Hope to Corryville Shale; Lorraine Shale; Eden Shale; Cobourg Limestone; Hull Limestone; Lower Silurian, Arnheim Shale, Waynesville, Limestone, Liberty Limestone; Georgia Bay Formation. United States, Ohio, New York; Canada, Ontario
- locrinus cf. subcrassus* (Meek and Worthen, 1865). Ruedemann, 1925, p. 70, unfig. Ordovician, Katian (Cincinnati, Lorraine Shale. United States, New York
- locrinus cf. subcrassus* (Meek and Worthen, 1868). Wilson, A. E., 1946, p. 34, Pl. 6, fig. 7. Webster, 1973, p. 157. Ordovician, Sandbian (Caradocian), Whittery Beds. United Kingdom
- locrinus subcrassus torontoensis* Fritz, 1923, p. 13, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 525. Ordovician, Katian (Cincinnati), Dundas Formation. Canada, Ontario
- locrinus trentonensis* Walcott, 1883, p. 4, Pl. 17, figs. 7-8. (adv. pub.). Walcott, 1884, p. 210, Pls. 17-18. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 668. Bassler and Moodey, 1943, p. 525. Brett *in* Hess et al., 1999 p. 65, Fig. 74. Brower, 2007b, p. 1285, Fig. 2, nos. 10-12. Brower, 2008a, p. 59, Figs. 2-5. Brower, 2011, p. 270, Fig. 2, nos. 1-2. Ordovician, Katian (Trentonian), Trenton Limestone, Rust Limestone, Spillway Member. United States, New York
- locrinus whitteryi* Ramsbottom, 1961 = *Margoiocrinus whitteryi*
- locrinus whitteryi* Ramsbottom, 1961. Donovan and Gale, 1989, p. 319, Fig. 5. Webster, 1993, p. 74. Donovan, Paul, and Lewis, 1996, p. 205, P. 39, fig. 6. Ordovician, Sandbian – Katian (Caradocian), Chirbury Formation, Whittery Shale Member. United Kingdom

*locrinus* cf. *whitteryi* Ramsbottom, 1961. Botting, 2003, p. 694, Pl. 3, figs. 1-2, 4-6, 8; Fig. 5.

Ordovician, Darriwilian (Llanvirnian), volcanogenic sandstones. United Kingdom, Wales

*locrinus* spp.

Ubaghs in Moore and Teichert, 1978, p. T116, Fig. 89, no. 1. Webster, 1986, p. 179.

Ordovician, Floian, Sandbian. North America, Europe  
Ausich and Kammer, 2010b, p. 120, Fig. 5, no. B. Platre diagram.

*locrinus?* sp. Botting, 2003, p. 694, Pl. 3, fig. 10.

Ordovician, Darriwilian (Llanvirnian), volcanogenic sandstones. United Kingdom, Wales

**IOTACRINUS** Ausich and Sevastopulo, 2001. \**Actinocrinus dorsatus* de Koninck and Le Hon, 1854.

Sbc. Camerata, O. Monobathrida, Subo Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Ausich and Sevastopulo, 2001, p. 41.

Named, currently recognized species based on cups or crowns: 2 Mississippian species. 1 Tournaisian, 1 Viséan

Mississippian, Tournaisian. Belgium

Mississippian, Viséan. United Kingdom, Scotland

\**lotacrinus dorsatus* (de Koninck and Le Hon, 1854). Ausich and Sevastopulo, 2001, p. 41, Pl. 4, figs. 1-12; Fig. 8, nos. E-G.

*Actinocrinus dorsatus* de Koninck and Le Hon, 1854, p. 139, Pl. 4, figs. 5a-5b.

Bassler and Moodey, 1943, p. 269. Bowsher, 1955b, p. 21. Webster, 1973, p. 182. Ausich and Sevastopulo, 2001, p. 41.

*Actinocrinites dorsatus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 269. Webster, 1973, p. 182. Ausich and Sevastopulo, 2001, p. 41.

*Nunnacrinus dorsatus* (de Koninck and Le Hon, 1854). Bowsher, 1955b, p. 21.

Webster, 1973, p. 182. Ausich and Sevastopulo, 2001, p. 41.

Mississippian, Tournaisian, Mountain Limestone; Hook Head Formation,

*Linoproductus* Beds. Ireland

Mississippian, Tournaisian. Belgium

*lotacrinus moderatus* (Wright, 1955). Ausich and Kammer, 2006, p. 102, Fig. 1, nos. C-D.

*Actinocrinites moderatus* Wright, J., 1955a, p. 225, Pl. 57, figs. 11, 14-16. Webster, 1973, p. 36. Ausich and Kammer, 2006, p. 102.

Mississippian, Viséan, Chadian. United Kingdom, Scotland

**ISOALLAGECRINUS** Strimple, 1966 = **KALLIMORPHOCRINUS**

*Isoallagecrinus barnettensis* Strimple, 1975 = *Kallimorphocrinus barnettensis*



*Isoallagecrinus bassleri* (Strimple, 1938) = *Kallimorphocrinus bassleri*

*Isoallagecrinus* sp. cf. *I. bassleri* (Strimple, 1938). Strimple, 1966c, p. 104. Webster, 1973, p. 157.

*Allagecrinus* sp. cf. *A. bassleri* Strimple, 1938. Moore, 1940b, p. 126, Pl. 2, figs. 7a-7c; Fig. 12, nos. i-l. Strimple, 1966c, p. 104. Webster, 1973, p. 157.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Isoallagecrinus bassleri intermedius* Pabian and Strimple, 1980 = *Kallimorphocrinus bassleri intermedius*

*Isoallagecrinus constellatus* (Moore, 1940) = *Kallimorphocrinus constellatus*

*Isoallagecrinus copani* (Strimple, 1949) = *Kallimorphocrinus copani*

*Isoallagecrinus dignatus* (Moore, 1940) = *Kallimorphocrinus dignatus*

*Isoallagecrinus? donetzensis* (Yakovlev, 1930) = *Kallimorphocrinus? donetzensis*

*Isoallagecrinus eaglei* Strimple, 1966 = *Kallimorphocrinus eaglei*

*Isoallagecrinus erectus* Strimple and Watkins, 1969 = *Kallimorphocrinus erectus* = *Allagecrinus erectus*

*Isoallagecrinus graffhami* (Strimple, 1948) = *Kallimorphocrinus graffhami*

*Isoallagecrinus illinoisensis* (Weller, 1930) = *Kallimorphocrinus illinoisensis*

*Isoallagecrinus kylensis* (Strimple, 1948) = *Kallimorphocrinus kylensis*

*Isoallagecrinus lasallensis* Strimple and Moore, 1971 = *Kallimorphocrinus lasallensis*

*Isoallagecrinus pocillus* (Weller, 1930) = *Kallimorphocrinus pocillus* = *K. astrus*

*Isoallagecrinus status* (Strimple, 1951) = *Kallimorphocrinus status*

*Isoallagecrinus strimplei* (Kirk, 1936) = *Kallimorphocrinus strimplei*

*Isoallagecrinus* sp. Pabian and Strimple, 1980 = *Kallimorphocrinus* sp.

**ISOCATILLOCRINUS** Wanner, 1937. \**I. indicus* Wanner, 1937.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae

Wanner, 1937, p. 109. Bassler, 1938, p. 118. Moore, 1940b, p. 91. Bassler and Moodey, 1943, p. 525. Moore and Laudon, 1943b, p. 31, Fig. 3. Branson, C. C., 1948, p. 197. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16, Fig. 12, no. 12. Arendt and Hecker, 1964, p. 81. Strimple and Moore, 1971a, p. 38. Webster, 1973, p. 158. Webster, 1977, p. 100. Willink, 1978, p. 86, Fig. 3, no. C. Moore and

Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 334, no. 12. Webster, 1986, p. 180.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

West Timor Permian, series uncertain. West Timor

\**Isocatillocrinus indicus* Wanner, 1937, p. 112, Pl. 14, figs. 1-9; Fig. 30. Bassler, 1938, p. 118. Marez Oyens, 1940a, p. 316, Pl. 3, fig. 6. Bassler and Moodey, 1943, p. 525. Branson, C. C., 1948, p. 197. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 337, no. 5. Webster, 1986, p. 180.

West Timor Permian, series uncertain. West Timor, Basleo, Nifoe Moeti

**ISOCRINITES** Austin and Austin, 1842 = **TAXOCRINUS**

*Isocrinites longidactylus* Austin and Austin, 1842 = *Cladocrinites longidactylus* = *Taxocrinus*?? *Longidactylus* = *Blothrocrinus longidactylus*

**ISOCRINUS** Phillips, 1841 (*non* von Meyer, 1836) = **TAXOCRINUS**

*Isocrinus egertoni* Phillips, 1841 = *Onychocrinus egertoni* = *O. polydactylus*

*Isocrinus monodactylus* (Phillips, 1841) Bronn, 1848 = *Cyathocrinites macrodactylus* = *Taxocrinus macrodactylus*

*Isocrinus* sp. skelettelemente van crinoiden Zankl, 1965, p. 551, Pl. 2, figs. 1a-1b (pinnules). Webster, 1973, p. 274.

No age given

Isolated imperforate ossicles, judged to have been part of a crinoid anal sac Lane, N. G., 1976b, p. 241, Figs. 2, 7. Webster, 1986, p. 323.

Pennsylvanian, Missourian, Lane Shale. United States, Missouri

**ISOTOMOCRINUS** Ulrich, 1925. \**I. typus* Ulrich, 1925.

Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae

Ulrich, E. O. *in* Foerste, 1925, p. 86. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 525. Moore and Laudon, 1943b, p. 31. Moore and Laudon, 1944, p. 149.

Ubaghs, 1953, p. 747. Moore, 1962b, p. 14, Fig. 5, no. 2. Philip, 1965a, p. 148, Fig. 1, no. d. Webster, 1973, p. 158. Kolata, 1975, p. 26. Warn and Strimple, 1977, p. 61. Moore and Lane *in* Moore and Teichert, 1978, p. T549. Frest, Strimple, and McGinnis, 1979, p. 407, Fig. 2, no. A. Webster, 1986, p. 180. Ausich, Bolton, and Cummings, 1998, p. 126. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 4 Ordovician species, 1 Darriwilian, 2 Sandbian – Katian, 1 Katian

Ordovician, Darriwilian – Katian (Champlainian). North America

*Isotomocrinus apheles* Ausich, Bolton, and Cummings, 1998, p. 126, Pl. 2, fig. 2; Fig. 3, no. C.

Ordovician, Darriwilian (early Llanvirnian, Whiterockian), Table Point Formation, Table Head Group. Canada, Newfoundland

*Isotomocrinus minutus* Kolata, 1975, p. 27, Pl. 4, fig. 4; Fig. 9. Warn and Strimple, 1977, p. 66. Webster, 1986, p. 180.

Ordovician, Sandbian – Katian (late Champlainian), Decorah Shale, Walgreen Member; Grand Detour Formation, Forreston Member. United States, Illinois, Minnesota

*Isotomocrinus tenuis* (Billings, 1857). Kolata, 1975, p. 26, Pl. 4, figs. 9-11; Fig. 8. Warn and Strimple, 1977, p. 62, Pl. 8, fig. 15. Brower and Veinus, 1978, p. 456, Pl. 16, fig. 4. Webster, 1986, p. 180. Sloan, 2005, p.,153, Fig. 4-60, no 5.

*Heterocrinus tenuis* Billings, E., 1857c, p. 273. Shumard, 1868, p. 377. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 252. Grabau and Shimer, 1910, p. 502.

Bassler, 1915, p. 612. Warn and Strimple, 1977, p. 63. Webster, 1986, p. 180.

*Stenocrinus tenuis* (Billings, 1857). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 612.

*Heterocrinus juvenis* Fritz, 1925 (*non* Hall, 1866), p. 10, Pl. 1, figs. 7, 11-12; Figs. 2-3. Warn and Strimple, 1977, p. 63. Webster, 1986, p. 180.

*Ectenocrinus* n. sp. Steele and Sinclair, 1971, p. 3, Pl. 16, figs. 10-11. Warn and Strimple, 1977, p. 63. Webster, 1977, p. 75. Webster, 1986, p. 180.

Ordovician, Sandbian – Katian (Champlainian), Decorah Shale; Platteville Formation; Trenton Limestone; Dunleith Formation, Buckhorn Member. United States, Minnesota, Illinois; Canada, Ontario

\**Isotomocrinus typus* Ulrich *in* Foerste, 1925, p. 86, Fig. 5. Bassler, 1938, p. 119.

Bassler and Moodey, 1943, p. 525. Moore and Laudon, 1944, p. 149, Pl. 52, fig. 11. Webster, 1973, p. 158. Warn and Strimple, 1977, p. 63. Moore and Lane *in* Moore and Teichert, 1978, p. T549, Fig. 343, no. 2. Webster, 1986, p. 180. Brett and Taylor *in* Hess et al., 1999 p. 69, Fig. 82.

Ordovician, Katian (Champlainian), Hull Limestone. Canada, Ontario

*Isotomocrinus* n. sp. Brower and Veinus, 1974, p. 20. Webster, 1986, p. 181.

Middle Ordovician, Sandbian (Champlainian), Wardell Formation; Witten Formation. United States, Tennessee

Isotomous branching Westhead, 1978, Fig. 4, no. a. (Diagramatic)

**ISOTRIANOBASIS** Moore, 1939. *Nomen vetitum* \**I. urna* Moore, 1939.

Moore, 1939b, p. 204. Jeffords *in* Moore and Teichert, 1978, p. T937. (basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States, Missouri

\**Isotrianobasis urna* Moore, 1939b, p. 204, Pl. 1, figs. 11a-11c. [Probably = *Lobocrinus pyriformis* (Shumard, 1855), RCM]  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

**ITEACRINUS** Goldring, 1923. \**I. flagellum* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae

Goldring, 1923, p. 344. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 525. Moore and Laudon, 1943b, p. 55. Ubaghs, 1953, p. 752. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 158. Moore and Lane *in* Moore and Teichert, 1978, p. T623. Webster, 1986, p. 181. McIntosh, 2001, p. 798. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 1 Emsian, 2 Frasnian  
Devonian, Frasnian. United States  
Devonian, early Emsian. Germany

\**Iteacrinus flagellum* Goldring, 1923, p. 347, Pl. 42, fig. 2. Bassler, 1938, p. 119.

Bassler and Moodey, 1943, p. 525. Moore and Lane *in* Moore and Teichert, 1978, p. T623, Fig. 406, no. 7. Webster, 1986, p. 181.

Devonian, Frasnian, early Chemung. United States, New York

*Iteacrinus dactylus* (Schmidt, 1934). Schmidt, W. E., 1942, p. 30. Webster, 1973, p. 158.

*Rhadinocrinus dactylus* Schmidt, W. E., 1934, p. 103, Pl. 18, figs. 1a-1b; Fig. 23, nos. d-e. Schmidt, W. E., 1942, p. 30. Webster, 1973, p. 158. Bartels and Brassel, 1990, p. 167, Fig. 154. Bartels, Briggs, and Brassel, 1998, p. 191, Fig. 168.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Iteacrinus nanus* (Roemer, 1863) = *Rhadinocrinus nanus*

*Iteacrinus robustus* Goldring, 1923, p. 347, Pl. 42, fig. 3. Bassler and Moodey, 1943, p. 525.

Devonian, Frasnian, lower part of Chemung Group. United States, New York

**IVANOVAECCRINUS** Arendt, 1983. \**Hexacrinus carboniferus* Yakovlev and Ivanov, 1956.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Arendt, 1983c, p. 102. Arendt, 1984, p. 98. Webster, 1988, p. 99.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan (C2pd) species

Mississippian. Russia, Moscow Basin

\**Ivanovaecrinus carboniferus* (Yakovlev and Ivanov, 1956). Arendt, 1983c, p. 102,

Fig. 1. Arendt, 1984, p. 98, Fig. 1. Webster, 1988, p. 99.

*Hexacrinus carboniferus* Yakovlev and Ivanov, 1956, p. 34, Pl. 4, fig. 10. Webster, 1973, p. 148. Arendt, 1983c, p. 102. Arendt, 1984, p. 98. Webster, 1988, p. 99.  
*Hexacrinites carboniferus* (Yakovlev and Ivanov, 1956). Arendt and Hecker, 1964, p. 96, Pl. 15, fig. 1. Webster, 1973, p. 148. Arendt, 1983c, p. 102. Arendt, 1984, p. 98. Webster, 1988, p. 99.  
 Mississippian, Viséan (C<sub>2</sub>pd). Russia, Moscow Basin

*IVANOVICRINUS* Yakovlev in Arendt and Hecker, 1964 = **TRAUTSCHOLDICRINUS**

*Ivanovicrinus miloradovitschi* (Yakovlev, 1939) = *Trautscholdicrinus miloradovitschi*

**JAEKELICRINUS** Yakovlev, 1949. \**J. bashkiricus* Yakovlev, 1949.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae  
 Yakovlev, 1947c, p. 609, Fig. 1 (*nomen nudum*). Yakovlev, 1949d, p. 435. Yakovlev, 1964b, p. 65, Fig. 85. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 158. Moore and Lane in Moore and Teichert, 1978, p. T536. Rozhnov, 1981, p. 106. Rozhnov, 1983, p. 106. Rozhnov, 1984, p. 103. Webster, 1986, p. 181. Sevastopulo and Lane, 1988, p. 247. Webster, 1988, p. 99. Webster, 1993, p. 74.

Jell and Jell, 1999, p. 221. Rozhnov, 2002, p. 588, Fig. 45, nos. e-f (diagramatic). Hauser, 2003, p. 25, Fig. 37.

Named, currently recognized species based on cups or crowns: 4 Devonian species, 3 Frasnian, 1 Frasnian - Famennian

Late Devonian, Frasnian. Russia

Devonian, late Frasnian - Famennian. Australia

\**Jaekelicrinus bashkiricus* Yakovlev, 1949d, p. 435, Fig. 1. Webster, 1973, p. 158.

Moore and Lane in Moore and Teichert, 1978, p. T536, Fig. 332, no. 2.

Rozhnov, 1981, p. 106, Pl. 24, figs. 3-5; Fig. 20, nos. a-b. Webster, 1986, p. 181. Webster, 1988, p. 99.

Devonian, Frasnian. Russia

*Jaekelicrinus bultyncki* Hauser, 2003, p. 26, Pl. 3, figs. 1-8; Figs. 39-42.

Devonian, Frasnian, Neuville Formation, *rhenana* Biozone. Belgium

*Jaekelicrinus murrayi* Jell and Jell, 1999, p. 221, Figs. 18-20.

Devonian, late Frasnian - late Famennian, Virgin Hills Formation. Australia, Western Australia

*Jaekelicrinus yakovlevi* Rozhnov, 1981, p. 108, Pl. 24, figs. 1-2; Figs. 6, no. g; 20, nos.

e-zh. Webster, 1988, p. 100. Rozhnov, 2002, p. S628, Fig. 71, no. d (diagramatic).

Devonian, Frasnian. Russia

*Jaekelicrinus* sp.

Rozhnov, 1981, p. 22, Fig. 6, no. v. Webster, 1988, p. 100.

Late Devonian. Russia

Rozhnov, 2002, p. S628, Fig. 71, no. c. (diagramatic)

**JAHNOCRINUS** Jaekel, 1918. \**J. minutus* Jaekel, 1918.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Jaekel, 1918, p. 63. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 525. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 158. Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 181. Webster, 1993, p. 74.

Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species

Devonian, Givetian. Czech Republic

\**Jahnocrinus minutus* Jaekel, 1918, p. 54, Fig. 45. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 525. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 399, no. 3. Webster, 1986, p. 181. Prokop and Petr, 1990, p. 33, Pl. 9, fig. 8. Webster, 1993, p. 74.

Devonian, Givetian, Srbsko Formation. Czech Republic, Bohemia

**JIMBACRINUS** Teichert, 1954. \**J. bostocki* Teichert, 1954.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Calceolispongiidae  
Teichert, 1954, p. 71. Yakovlev, 1956a, p. 124, Fig. 46. Yakovlev, 1958, p. 108, Fig. 46. Yakovlev, 1964a, p. 109, Fig. 48. Yakovlev, 1964b, p. 69, Figs. 102-103. Webster, 1973, p. 158. Lane and Moore *in* Moore and Teichert, 1978, p. T755. Willink, 1979b, p. 181, Fig. 9, no. B. Webster, 1986, p. 181. Teichert, 1991, p. 119. Teichert and Webster, 1993, p. 22. Webster, 1993, p. 74.

Named, currently recognized species based on cups or crowns: 4 Permian species, 1 Sakmarian – Artinskian, 3 Artinskian

Permian, Sakmarian - Artinskian. Australia, Western Australia

\**Jimbacrinus bostocki* Teichert, 1954, p. 71, Pls. 13-14. Yakovlev, 1957, p. 11, Fig. 1, nos. a-b. Webster, 1973, p. 159. Lane and Moore *in* Moore and Teichert, 1978, p. T755, Fig. 501, no. 2. Webster, 1986, p. 181. Teichert, 1991, p. 120. Teichert and Webster, 1993, p. 22, Pl. 71, figs. 1-14. Rozhnov, 1999, p. 388, Fig. 5. Hess *in* Hess et al., 1999 p. 162, Fig. 177. Rozhnov, 2002, p. S635, Figs. 79-80. Stinchfield, 2008, p. 167, 168, Figs. 09-20-09-23.

Permian, Artinskian, Cundlego Formation. Australia, Western Australia

*Jimbacrinus donnellyensis* Webster and Jell, 1992, p. 352, Fig. 21. Webster and Jell, 1999b, p. 327.

Permian, late Artinskian, Bulgadoo Formation. Australia, Western Australia, Carnarvon Basin

*Jimbacrinus minilyaensis* Webster, 1990, p. 70, Pl. 3, figs. 2-3. Teichert, 1991, p. 120. Teichert and Webster, 1993, p. 22. Webster, 1993, p. 74.

Permian, Artinskian, Wandagee Formation. Australia, Western Australia

*Jimbacrinus? noetlingi* (Sieverts-Doreck, 1942). Willink, 1979b, p. 182, Pl. 11, figs. 1-39. Webster, 1986, p. 181.

*Dinocrinus noetlingi* Sieverts-Doreck, 1942, p. 228, Figs. 5-6. Teichert, 1949, p. 7. Webster, 1973, p. 75. Willink, 1979b, p. 182. Webster, 1986, p. 181.

*Calceolispongia noetlingi* (Sieverts-Doreck, 1942). Teichert, 1949, p. 7. Webster, 1973, p. 75. Willink, 1979b, p. 182. Webster, 1986, p. 181.

Permian, Sakmarian - Artinskian, Crinoideal Zone on Maria Island, Darlington Limestone. Australia, Tasmania

**JOCRINUS** Jaekel, 1918 = **IOCRINUS**

**JONKEROCRINUS** Wanner, 1924. \**J. spinosus* Wanner, 1924.

Classification uncertain

Wanner, 1924, p. 279. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 526.

Moore and Laudon, 1943b, p. 104 (anal sac). Branson, C. C., 1948, p. 197.

Webster, 1973, p. 275. Jeffords *in* Moore and Teichert, 1978, p. 934.

Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain

West Timor Permian, series uncertain. West Timor

*Jonkerocrinus? conicus* Marez Oyens, 1940a, p. 341, Pl. 4, fig. 7. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198.

West Timor Permian, series uncertain. West Timor, Oi Faoeh

\**Jonkerocrinus spinosus* Wanner, 1924, p. 280, Pl. 12, figs. 1-3. Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198. Jeffords *in* Moore and Teichert, 1978, p. 934.

West Timor Permian, series uncertain. West Timor, Basleo

**JOVACRINUS** Ausich and Copper, 2010. \**Jovacrinus spinosus* Ausich and Copper, 2010.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae

Ausich and Copper, 2010, p. 33.

Named, currently recognized species based on cups or crowns: 2 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec,

*Jovacrinus juguim* Ausich and Copper, 2010, p. 34, Pl. 7, figs. 6-7.

Silurian, Llandoveryian, Jupiter Formation, Bell River Member. Canada, Quebec, Anticosti Island

\**Jovacrinus spinosus* Ausich and Copper, 2010, p. 33, Pls. 6, figs. 7-9; 7, figs. 1-5; Figs.

8.1.

Silurian, Llandoveryian, Jupiter Formation, Ferrum Member. Canada, Quebec, Anticosti Island

**JULIETICRINUS** Waters et al., 2003. \**Julieticrinus romeo* Waters et al., 2003.

Sbc. Cladida, O. Dendrocinida, Spf. Scytalocrinoidea, F. Scytalocrinidae  
Waters et al., 2003, p. 943.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species  
Devonian, Famennian. China, Xinjiang

\**Julieticrinus romeo* Waters et al., 2003, p. 943, Figs. 9, nos. 17-20; 10, no. 3; 13, nos.  
1-5.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar  
Basin

**JUNOCRINUS** Prokop, 1977. \**J. globulus* Prokop, 1977.

Sbc. Disparida, O. Homocrinida, F. Ramacrinidae

Prokop, 1977, p. 45. Webster, 1986, p. 182. Clement, 1988, p. 113. Webster, 1993,  
p. 74.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Pragian  
species

Devonian, Pragian. Czech Republic, Bohemia

\**Junocrinus globulus* Prokop, 1977, p. 45, Pls. 1, figs. 1-5; 2, figs. 1-5. Webster, 1986,  
p. 182. Prokop and Petr, 1990, p. 28, Pl. 6, figs. 4-7. Webster, 1993, p. 73.

Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic, Bohemia

Juvenile calyx indet. Haude, 2004b, p. 241, Pl. 1, fig. 11.

Devonian, late Famennian, Etröeungt, Middle *expansas* Biozone. Germany

Juvenile crinoids Bartels, Briggs, and Brassel, 1998, p. 50, Fig. 35; p. 195, Fig. 172.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

**KALEIDOCRINUS** Jaekel, 1918 = **CALEIDOCRINUS****KALLIMORPHOCRINUS** Weller, 1930. \**K. astrus* Weller, 1930.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Weller, J. M., 1930a, p. 15. Bassler, 1938, p. 120. Bassler and Moodey, 1943, p.  
526. Moore and Laudon, 1943b, p. 30. Moore and Laudon, 1944, p. 147, Pl. 52,  
fig. 4. Branson, C. C., 1948, p. 198. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16,  
Fig. 12, no. 1. Arendt and Hecker, 1964, p. 81. Strimple, 1966c, p. 107. Strimple  
and Moore, 1971a, p. 38. Webster, 1973, p. 159. Webster, 1977, p. 101. Moore  
and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 334, no. 1. Lane and  
Sevastopulo, 1982b, p. 244. Pabian and Strimple, 1985, p. 72. Webster, 1986, p.  
182. Sevastopulo and Lane, 1988, p. 246. Webster, 1988, p. 100. Pabian *et al.*,  
1989, p. 300, Fig. 5, no. 6. Pabian and Strimple, 1993, p. 42. Webster, 1993, p.  
74. Webster *et al.*, 2011, pl. 28.

**CALLIMORPHOCRINUS** Peck, 1936, p. 287. Bassler, 1938, p. 57. Moore, 1940b,  
p. 72. Bassler and Moodey, 1943, p. 526. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T539.



*AIDEMOCRINUS* Weller, J. M., 1930a, p. 28. \**A. odiosus* Weller, 1930. Bassler, 1938, p. 36. Moore, 1940, p. 79. Bassler and Moodey, 1943, p. 526. Moore and Strimple *in* Moore and Teichert, 1978, p. T539.

*ISOALLAGECRINUS* Strimple, 1966. \**Allagecrinus bassleri* Strimple, 1938. Strimple, 1966c, p. 105. Strimple and Moore, 1971a, p. 38. Webster, 1973, p. 157. Webster, 1977, p. 100. Pabian and Strimple, 1978a, p. 55, Fig. 1, nos. U-V. Moore and Strimple *in* Moore and Teichert, 1978, p. T539. Pabian and Strimple, 1980b, p. 3. Webster, 1986, p. 179.

Named, currently recognized species based on cups or crowns: 26 species, 1 subspecies. 1 Mississippian, 1 Viséan; 23 Pennsylvanian, 1 Bashkirian, 3 Atokan, 11 Desmoinesian, 1 Moscovian, 5 Missourian, 1 Missourian – Virgilian, 1 Virgilian (+1 subspecies); 2 Permian, 1 Wolfcampian, 1 Artinskian Pennsylvanian, Atokan - Permian, Wolfcampian. United States Mississippian, Viséan. United Kingdom, Scotland Pennsylvanian, Moscovian. Russia

*Kallimorphocrinus acutus* (Wanner, 1929) = *Metallagecrinus acutus*

*Kallimorphocrinus angulatus* Strimple and Koenig, 1956 = *Litocrinus angulatus*

\**Kallimorphocrinus astrus* Weller, J. M., 1930a, p. 16, Fig. 2. Bassler, 1938, p. 120. Bassler and Moodey, 1943, p. 526. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 3. Strimple, 1966c, p. 108, Fig. 2, no. c. Webster, 1973, p. 159. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 335, no. 4. Lane and Sevastopulo, 1982b, p. 244, Pls. 1-3; Figs. 1-3. Webster, 1986, p. 182. Webster, 1988, p. 100. Ausich, 1996a, p. 958, Fig. 4, nos. 1-8. Ausich, 1997a, p. 293, Fig. 3, nos. 6-13.

*Callimorphocrinus astrus* (Weller, 1930). Sieverts-Doreck, 1960, Pl. 1, fig. 5.

*Kallimorphocrinus astrus* var. *typicus* Weller, J. M., 1930a, p. 17, Pl. 1, figs. 2a-2c. Bassler and Moodey, 1943, p. 526. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Kallimorphocrinus astrus* var. *intermedius* Weller, J. M., 1930a, p. 18, Pl. 1, figs. 3a-3c. Bassler and Moodey, 1943, p. 526. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Kallimorphocrinus astrus* var. *pyramidalis* Weller, J. M., 1930a, p. 18, Pl. 1, figs. 4a-4c. Bassler and Moodey, 1943, p. 526. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Kallimorphocrinus indianensis* Weller, J. M., 1930a, p. 20, Pl. 1, figs. 9a-9b. Bassler and Moodey, 1943, p. 527. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 5. Webster, 1973, p. 159. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Kallimorphocrinus infacetus* Weller, J. M., 1930a, p. 22, Pl. 2, figs. 4a-4b. Bassler and Moodey, 1943, p. 527. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Kallimorphocrinus pocillus* Weller, J. M., 1930a, p. 24, Pl. 2, figs. 1a-1d. Bassler and Moodey, 1943, p. 528. Lane and Sevastopulo, 1982b, p. 257. Webster, 1988, p. 100.

*Isoallagecrinus pocillus* (Weller, 1930). Strimple, 1966c, p. 109. Webster, 1973, p. 158.

*Allagecrinus pocillus* Strimple, 1966c, p. 109. Webster, 1973, p. 158.  
Pennsylvanian, Desmoinesian, Perth Limestone. United States, Indiana

*Kallimorphocrinus astrus* var. *intermedius* Weller, 1930 = \**Kallimorphocrinus astrus*

*Kallimorphocrinus astrus* var. *pyramidalis* Weller, 1930 = \**Kallimorphocrinus astrus*

*Kallimorphocrinus astrus* var. *typicus* Weller, 1930 = \**Kallimorphocrinus astrus*

*Kallimorphocrinus barnettensis* (Strimple, 1975). Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 100.

*Isoallagecrinus barnettensis* Strimple, 1975e, p. 3, Fig. 2. Webster, 1986, p. 179; 1988, p. 100.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Kallimorphocrinus bassleri* (Strimple, 1938). Lane and Sevastopulo, 1982b, p. 256.

Webster, 1988, p. 100. Pabian and Strimple, 1993, p. 42, Fig. 17, nos. e-f, k-l. Webster and Kues, 2006, Figs. 4.9-4.12.

*Allagecrinus bassleri* Strimple, 1938, p. 1, Pl. 1, figs. 18-23. Bassler and Moodey, 1943, p. 292. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 19. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 9. Ubaghs, 1953, p. 747, Fig. 50. Strimple, 1959a, p. 116, Pl. 1, figs. 18-23. Strimple, 1966c, p. 104. Webster, 1973, p. 157. Webster, 1988, p. 100.

*Isoallagecrinus bassleri* (Strimple, 1938). Strimple, 1966c, p. 104. Webster, 1973, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 335, no. 3. Webster, 1986, p. 179.

*Allagecrinus bassleri nodosus* Strimple, 1951a, p. 204, Pl. 37, figs. 1-4. Strimple, 1966c, p. 101. Webster, 1973, p. 157.

Pennsylvanian, Missourian, Virgilian, Wewoka Formation; Wann Formation; Lake Bridgeport Shale; South Bend Limestone; Wild Cow Formation, La Casa Member. United States, Oklahoma, Texas, New Mexico

*Kallimorphocrinus bassleri intermedius* (Pabian and Strimple, 1980).

*Isoallagecrinus bassleri intermedius* Pabian and Strimple, 1980b, p. 3, Fig. 2, nos. a-b. Webster, 1986, p. 179.

Pennsylvanian, Virgilian, Topeka Formation, Curzon Limestone Member. United States, Nebraska

*Kallimorphocrinus constellatus* (Moore, 1940). Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 100.

*Allagecrinus constellatus* Moore, 1940b, p. 120, Pls. 2, figs. 1-4; 3, fig. 4; Figs. 11, nos. m-n; 12, nos. a-h. Bassler and Moodey, 1943, p. 293. Ubaghs, 1953, p. 747, Fig. 49. Strimple, 1962e, p. 10. Strimple, 1966c, p. 104. Webster, 1973, p. 157. Webster, 1988, p. 100.

*Isoallagecrinus constellatus* (Moore, 1940). Strimple, 1966c, p. 104. Webster, 1973,

p. 157.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Kallimorphocrinus copani* (Strimple, 1949). Lane and Sevastopulo, 1982b, p. 256.  
Webster, 1988, p. 101.

*Allagecrinus copani* Strimple, 1949c, p. 21, Pl. 5, figs. 1-7. Webster, 1973, p. 157.

*Isoallagecrinus copani* (Strimple, 1949). Strimple, 1966c, p. 104. Webster, 1973, p. 157.

Pennsylvanian, Missourian, unnamed shale 30 feet above Torpedo Sandstone.  
United States, Oklahoma

*Kallimorphocrinus dignatus* (Moore, 1940). Lane and Sevastopulo, 1982b, p. 256.  
Webster, 1988, p. 101.

*Allagecrinus dignatus* Moore, 1940b, p. 116, Pl. 2, figs. 5a-6b; Fig. 11, nos. i-l.  
Bassler and Moodey, 1943, p. 293. Moore and Laudon, 1944, p. 149, Pl. 56,  
fig. 10. Strimple, 1962e, p. 10. Strimple, 1966c, p. 104. Webster, 1973, p. 157.  
Webster, 1988, p. 101.

*Isoallagecrinus dignatus* (Moore, 1940). Strimple, 1966c, p. 104. Webster, 1973, p. 157.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

?*Kallimorphocrinus donetzensis* (Yakovlev, 1930). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 526. Yakovlev in Yakovlev and Ivanov, 1956, p. 43, Pl. 12, fig. 7. Webster, 1973, p. 158. Lane and Sevastopulo, 1982b, p. 256.  
Webster, 1988, p. 101.

*Allagecrinus donetzensis* Yakovlev, 1930e, p. 910, Pl. 1, fig. 4. Bassler and Moodey, 1943, p. 526. Strimple, 1966c, p. 104. Webster, 1973, p. 158. Webster, 1988, p. 101.

*Isoallagecrinus? donetzensis* (Yakovlev, 1930). Strimple, 1966c, p. 104. Webster, 1973, p. 158.

Pennsylvanian, Moscovian. Russia, Donetsk Basin

*Kallimorphocrinus eaglei* (Strimple, 1966). Lane and Sevastopulo, 1982b, p. 256.  
Webster, 1988, p. 101.

*Isoallagecrinus eaglei* Strimple, 1966c, p. 105, Pl. 1, figs. 1-3. Webster and Lane, 1967, p. 11, Pl. 3, figs. 9-10. Webster, 1973, p. 158. Webster, 1988, p. 101.

Permian, Wolfcampian, Red Eagle Limestone, Bird Spring Formation. United States, Oklahoma, Nevada

*Kallimorphocrinus elongatus* (Wright, 1932). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 526. Wright, J., 1952a, p. 146, Pl. 40, figs. 7-8, 11, 18, 28. Webster, 1973, p. 159.

*Allagecrinus elongatus* Wright, J., 1932, p. 352, Pl. 23, figs. 18-34; Figs. 26-35. Bassler and Moodey, 1943, p. 526.

*Callimorphocrinus elongatus* (Wright, 1939), p. 52, Pl. 10, figs. 9-12. Bassler and Moodey, 1943, p. 526.

*Allagecrinus austini* Carpenter and Etheridge, 1881, Pl. 16, figs. 1, ?3, 10 only. Bassler and Moodey, 1943, p. 526.

Mississippian, Viséan, Lower Limestone Group, Seafield Tower Limestone. United Kingdom, Scotland

*Kallimorphocrinus excavatus* (Wanner, 1929) = *Metallagecrinus excavatus*

*Kallimorphocrinus expansus* Weller, J. M., 1930a, p. 27, Pl. 1, figs. 10a-10b. Bassler and Moodey, 1943, p. 527. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 7.

Moore

and Laudon, 1944, p. 149, Pl. 56, fig. 4. Webster, 1973, p. 1599. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 101.

Pennsylvanian, Desmoinesian, unit below Pisa Limestone. United States, Illinois

*Kallimorphocrinus extensus* Wright, 1952 = *Litocrinus extensus*

*Kallimorphocrinus graffhami* (Strimple, 1948). Lane and Sevastopulo, 1982b, p. 256.

Pabian and Strimple, 1985, p. 72, Fig. 25, nos. g-h. Webster, 1988, p. 101.

*Allagecrinus graffhami* Strimple, 1948c, p. 3, Pl. 1, figs. 1-11. Strimple, 1966c, p. 104. Webster, 1973, p. 158. Webster, 1988, p. 101.

*Isoallagecrinus graffhami* (Strimple, 1948). Strimple, 1966c, p. 104. Webster, 1973, p. 158.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas

*Kallimorphocrinus illinoisensis* Weller, J. M., 1930a, p. 25, Pl. 2, figs. 2a-3b. Bassler and Moodey, 1943, p. 527. Strimple, 1966c, p. 109. Webster, 1973, p. 158.

Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 101.

*Isoallagecrinus illinoisensis* (Weller, 1930). Strimple, 1966c, p. 109. Webster, 1973, p. 158.

Pennsylvanian, Desmoinesian, unit below Pisa Limestone. United States, Illinois

*Kallimorphocrinus inaquosus* Webster and Lane, 1970, p. 281, Pl. 58, figs. 1-2.

Webster, 1977, p. 101. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 101.

Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada

*Kallimorphocrinus indianensis* Weller, 1930 = *\*Kallimorphocrinus astrus*

*Kallimorphocrinus indicus* Gupta and Prokop, 1978 = *Litocrinus indicus*

*Kallimorphocrinus indoaustralicus* (Wanner, 1924) = *Metallagecrinus indoaustralicus*

*Kallimorphocrinus infacetus* Weller, 1930 = *\*Kallimorphocrinus astrus*

*Kallimorphocrinus inflatus* (Wanner), 1929 = *Metallagecrinus inflatus*

*Kallimorphocrinus inhumectus* Webster and Lane, 1970, p. 281, Pl. 58, fig. 3.

Webster, 1977, p. 101. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 101.

Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada

*Kallimorphocrinus knighti* Weller, J. M., 1930a, p. 26, Pl. 1, figs. 7a-7b. Bassler and Moodey, 1943, p. 527. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 101.

Pennsylvanian, Desmoinesian, limestone above Belleville Coal. United States, Missouri

*Kallimorphocrinus kylensis* (Strimple, 1948). New Combination

*Allagecrinus kylensis* Strimple, 1948c, p. 4, Pl. 1, figs. 12-20. Strimple, 1966c, p. 104. Webster, 1973, p. 158.

*Isoallagecrinus kylensis* (Strimple, 1948). Strimple, 1966c, p. 104. Webster, 1973, p. 158.

Pennsylvanian, Missourian, Brownwood Shale. United States, Texas

?*Kallimorphocrinus lanei* Webster et al., 2011, p. 29, Fig. 8, nos. q-t.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Kallimorphocrinus lasallensis* (Strimple and Moore, 1971). Webster, 1988, p. 102.

Ausich in Hess et al., 1999 p. 155, Fig. 166.

*Isoallagecrinus lasallensis* Strimple and Moore, 1971a, p. 38, Pl. 3, figs. 1a-2c.

Webster, 1977, p. 101. Webster, 1988, p. 102.

*Kallimorphocrinus lassallensis* (Strimple and Moore, 1971). Lane and Sevastopulo, 1982b, p. 256 (sic).

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Kallimorphocrinus lassallensis* (Strimple and Moore, 1971) = *Kallimorphocrinus lasallensis*

*Kallimorphocrinus lilius* Weller, J. M., 1930a, p. 19, Pl. 1, figs. 8a-8b. Bassler and Moodey, 1943, p. 527. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 102.

Pennsylvanian, Desmoinesian, unit below Pisa Limestone. United States, Missouri

*Kallimorphocrinus multibrachiatus* (Yakovlev, 1927) = *Metallagecrinus multibrachiatus*

*Kallimorphocrinus odiosus* (Weller, 1930). Bassler and Moodey, 1943, p. 527.

*Aidemocrinus odiosus* Weller, J. M., 1930a, p. 28, Pl. 2, figs. 5a-5b. Bassler, 1938, p. 36. Bassler and Moodey, 1943, p. 527.

Pennsylvanian, Desmoinesian. United States, Indiana

*Kallimorphocrinus ornatus* (Wanner, 1929) = *Metallagecrinus ornatus*

*Kallimorphocrinus pecki* (Moore, 1940). Lane and Sevastopulo, 1982b, p. 256.

Webster, 1988, p. 102.

*Allagecrinus pecki* Moore, 1940b, p. 122, Fig. 13, nos. a-n. Bassler and Moodey, 1943, p. 293. Sieverts-Doreck, 1960, p. 241, Pl. 1, fig. 4. Webster, 1988, p. 102.

Pennsylvanian, early Desmoinesian, Cherokee Shale. United States, Missouri

*Kallimorphocrinus piasaensis* Weller, J. M., 1930a, p. 18, Pl. 1, figs. 5a-5b. Bassler and Moodey, 1943, p. 528. Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 102.

Pennsylvanian, Desmoinesian, unit below Pisa Limestone. United States, Illinois

*Kallimorphocrinus pocillus* Weller, 1930 = *Isoallagecrinus pocillus* = \**Kallimorphocrinus astrus*

*Kallimorphocrinus pristinus* (Peck, 1936) = *Litocrinus pristinus*

*Kallimorphocrinus procerus* (Wanner, 1929) = *Metallagecrinus procerus*

*Kallimorphocrinus punctatus* Lane and Sevastopulo, 1981 = \**Litocrinus punctatus*

*Kallimorphocrinus puteatus* (Peck, 1936) = *Litocrinus puteatus*

*Kallimorphocrinus quinquebrachiatus* (Wanner, 1929) = *Metallagecrinus quinquebrachiatus*

*Kallimorphocrinus quinquelobus* (Wanner, 1929) = *Metallagecrinus quinquelobus*

*Kallimorphocrinus scoticus* (Wright, 1932) = *Litocrinus scoticus*

*Kallimorphocrinus scoticus contractus* Wright, 1933 = *Litocrinus scoticus contractus*

*Kallimorphocrinus status* (Strimple, 1951). Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 102.

*Allagecrinus bassleri status* Strimple, 1951a, p. 204, Pl. 37, figs. 5-8. Strimple, 1966c, p. 104. Webster, 1973, p. 158.

*Isoallagecrinus status* (Strimple, 1951). Strimple, 1966c, p. 104. Webster, 1973, p. 158.

*Allagecrinus status* Strimple, 1951. Webster, 1988, p. 102.

Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Texas

*Kallimorphocrinus strimplei* (Kirk, 1936). Lane and Sevastopulo, 1982b, p. 256. Webster, 1988, p. 102. Sevastopulo, 2008, p. 60, Fig. 3.2, no. 3.

*Allagecrinus strimplei* Kirk, 1936, p. 162, Figs. 1-10. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 8. Ubaghs, 1953, p. 747, Fig. 51. Strimple, 1966c, p. 104. Webster, 1973, p. 158. Webster, 1988, p. 102.

*Isoallagecrinus strimplei* (Kirk, 1936). Strimple, 1966c, p. 104. Strimple, 1972e, p. 920, Figs. 1-2. Priest, 1973, p. 75, Fig. 14. Webster, 1973, p. 158. Pabian and Strimple, 1974b, p. 19, Fig. 6, nos. 14-15. Webster, 1977, p. 100. Ubaghs in Moore and Teichert, 1978, p. T153, Fig. 124, no. 1. Smith, A. B., 1985, p. 170, Pl.

7.4.21. Webster, 1986, p. 180. Fearnhead, 2008, p. 50, Fig. 2, no. B

Pennsylvanian, Missourian, Dewey Limestone; Drum Formation, Cement City Limestone. United States, Oklahoma

*Kallimorphocrinus thaiensis* Webster and Jell, 1993, p. 350, Fig. 1, nos. A-F.  
Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Muk Island

*Kallimorphocrinus tintinabulum* Strimple and Koenig, 1956 = *Litocrinus tintinabulum*

*Kallimorphocrinus uralensis* (Yakovlev, 1927) = *Metallagecrinus uralensis*

*Kallimorphocrinus uralensis nodocarinatus* (Yakovlev, 1927) = *Metallagecrinus uralensis nodocarinatus*

*Kallimorphocrinus uralensis* var. *nodocarinatus* (Yakovlev, 1927) = *Kallimorphocrinus uralensis nodocarinatus* = *Metallagecrinus uralensis nodocarinatus*

?*Kallimorphocrinus vanpelti* Weller, 1930. Lane and Sevastopulo, 1982b, p. 256.  
Webster, 1988, p. 102.

Pennsylvanian, Desmoinesian, unit below Pisa Limestone. United States, Illinois

*Kallimorphocrinus weldenensis* Strimple and Koenig, 1956 = *Desmacriocrinus weldenensis*

*Kallimorphocrinus yakovlevi* Wright, 1933 = *Wrightocrinus yakovlevi*

*Kallimorphocrinus* spp.

Conkin and Conkin, 1976, p. 224, Pl. 9. Webster, 1986, p. 182. Webster, 1988, p. 102.

Mississippian, Kinderhookian, Jacobs Chapel Shale. United States, Indiana  
*Isoallagecrinus* sp. Pabian and Strimple, 1980a, p. 184, Fig. 9, no. C. Webster, 1986, p. 180.

Pennsylvanian, Missourian, Kansas City Group, Wyandotte Formation, Argentine Limestone Member. United States, Iowa  
Kues, 1982, Unnum. Fig. p. 108, no. O. Webster, 1988, p. 102.

Mississippian, Osagean, Nunn Shale. New Mexico  
Holterhoff, 1996, p. 184, Fig. 3, no. I. (diagramatic arm)

Pennsylvanian, Missourian, Stanton Formation. United States, Midcontinent  
Kietzki, 1990, p. 264, Fig. 7, nos. G-H.

Pennsylvanian, Desmoinesian, Flechado Formation. United States, New Mexico

*Kallimorphocrinus?* sp. Webster and Jell, 1993, p. 351, Fig. 1, nos. G-J.  
Permian, Artinskian, Rat Buri Limestone. Thailand, Ko Muk Island

“*Kallimorphocrinus*” sp. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, Birdsong Member. United States, Tennessee

*KALPIDOCRINUS* Goldring, 1954 = ***BACTROCRINITES***

*Kalpidocrinus eriensis* Goldring, 1954 = *Bactrocrinites reimanni* = *B. fieldi*

**KANABINOCCRINUS** Ausich, 1986. \**K. thyaros* Ausich, 1986.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
Ausich, 1986c, p. 723. Webster, 1993, p. 74.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, late early or middle Llandoveryan. United States, Ohio

\**Kanabinocrinus thyaros* Ausich, 1986c, p. 724, Figs. 2, nos. 2-3, 10; 4, no. 1; 5.  
Webster, 1993, p. 74.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States,  
Ohio

**KANSACRINUS** Pabian and Strimple, 1985. \**Oklahomacrinus cirriferous* Strimple,  
1963.

Sbc. Cladida, Infc. Articulata, O. Ampelocrinida, ?F. Ampelocrinidae  
Pabian and Strimple, 1985, p. 53. Webster, 1988, p. 102.

**Note**, I consider *Kansacrinus* a synonym of *Oklahomacrinus*, GDW.

Named, currently recognized species based on cups or crowns: 3 species. 2  
Pennsylvanian, 1 Missourian, 1 Virgilian; 1 Permian, Wolfcampian  
Pennsylvanian - Permian, Missourian - Wolfcampian. United States

\**Kansacrinus cirriferous* (Strimple, 1963). Pabian and Strimple, 1985, p. 53.  
Webster, 1988, p. 103.

*Oklahomacrinus cirriferous* Strimple, 1963a, p. 71, Pl. 12, figs. 17-20. Webster,  
1973, p. 184. Webster, 1988, p. 103.

Permian, Wolfcampian, Five Point Limestone. United States, Kansas

*Kansacrinus discus* (Strimple, 1947). Pabian and Strimple, 1985, p. 53, Figs. 15, no.  
k; 26, nos. i-k. Webster, 1988, p. 103.

*Oklahomacrinus discus* Strimple, 1947, p. 6, Pl. 2, figs. 2-3. Burke, 1966b, p. 466,  
Fig. 3. Webster, 1973, p. 184. Pabian and Strimple, 1985, p. 53. Webster, 1988,  
p. 103.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United  
States, Kansas

*Kansacrinus regularis* (Strimple, 1951). Pabian and Strimple, 1985, p. 53. Webster,  
1988, p. 103.

*Oklahomacrinus regularis* Strimple, 1951c, p. 26, Pl. 4, figs. 8-9. Webster, 1973, p.  
184. Webster, 1988, p. 103.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

**KASTORCRINUS** Ausich and Copper, 2010. \**Kastorcrinus chattertoni* Ausich and  
Copper, 2010.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae  
Ausich and Copper, 2010, p. 64.



Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species  
Silurian, Llandovery. Canada, Quebec

\**Kastorcrinus chattertoni* Ausich and Copper, 2010, p. 64, Pl. 12, figs. 15-16.  
Silurian, Llandoveryan, Jupiter Formation, Cybèle Member. Canada, Quebec,  
Anticosti Island

**KATAROOCRINUS** (Waagen and Jahn) Jaekel, 1918, p. 32 (*nomen nudum*).  
Bassler, 1938, p. 120. Bassler and Moodey, 1943, p. 529. Ubaghs in Moore and  
Teichert, 1978, p. T518. Webster, 1986, p. 182.  
Early Devonian. Czech Republic

Kelch von ?*Dactylocrinus* Hauser, 2003, p. 54, Pl. 5, fig. 7.  
Devonian, Frasnian, Neuville Formation. Belgium

Kelchtafeln eines Crinoiden Geinitz, 1867a, p. 65, Pl. 4, figs. 27-28. (Cladid radial and  
basal plate, respectively, GDW).  
Pennsylvanian. United States, Nebraska

**KOIVOCRINUS** Arendt, 1996. \**K. elegans* Arendt, 1996.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Sycocrinitidae  
Arendt, 1996a, p. 79; 1996b, p. 204.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Sakmarian species  
Permian, early Sakmarian. Russia, Middle Ural Mountains

\**Koivocrinus elegans* Arendt, 1996a, p. 80, Pl. 9, figs. 2-5; Fig. 1, nos. b-e. Arendt,  
1996b, p. 205, Pl. 9, figs. 2-5; Fig. 1, nos. b-e.  
Permian, early Sakmarian. Russia, Middle Ural Mountains

**KOLVACRINUS** Arendt, 2005. \**Kolvacrinus verae* Arendt, 2005.  
Sbc. Cladida, O. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae  
Arendt, 2005a, p. 62. Arendt, 2005b, p. 637.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species  
Permian, late Artinskian. Russia, Ural Mountains

\**Kolvacrinus verae* Arendt, 2005a, p. 62, Pl. 6, fig. 4. Arendt, 2005b, p. 637, Pl. 6, fig. 4.  
Permian, late Artinskian. Russia, Ural Mountains

**KOOPTOONOCRINUS** Jell and Holloway, 1983. \**K. nutti* Jell and Holloway, 1983.  
Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Jell and Holloway, 1983, p. 13. Webster, 1988, p. 103.  
Named, currently recognized species based on cups or crowns: 2 species. 1 Late  
Silurian - Early Devonian, Pridoli – Lochkovian; 1 Devonian, Lochkovian  
Late Silurian - Early Devonian. Australia

*Kooptoonocrinus borealis* Clement and Broadhead, 1994, p. 47. *Nomen nudum*  
Devonian, Lochkovian, Ross Formation, upper part of Birdsong Member. United States, Tennessee

\**Kooptoonocrinus nutti* Jell and Holloway, 1983, p. 14, Figs. 8-9, nos. A-D. Webster, 1988, p. 103.  
Late Silurian - Early Devonian, Dargile-Humevale Formation transition beds. Australia, Victoria

**KOPFICRINUS** Goldring, 1954. \**K. pustuliferus* Goldring, 1954.  
Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
Goldring, 1954, p. 11. Webster, 1973, p. 160. Lane and Moore *in* Moore and Teichert, 1978, p. T587. Webster, 1986, p. 182. Jell and Theron, 1999, p. 134.  
Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species  
Devonian, Emsian. United States

*Kopficrinus halbichi* Jell and Theron, 1999, p. 134, Fig. 18, nos. A-E.  
Devonian, Emsian, Gydo Formation. South Africa

\**Kopficrinus pustuliferus* Goldring, 1954, p. 12, Pl. 2, figs. 3-4. Webster, 1973, p. 160.  
Lane and Moore *in* Moore and Teichert, 1978, p. T587, Fig. 376, no. 7. Webster, 1986, p. 182.  
Devonian, Emsian, Onondaga Limestone. United States, New York

**KOPHINOCRINUS** Goldring, 1954. \**K. spiniferus* Goldring, 1954.  
Sbc. Cladida, O. Dendrocrinida, Spf. and F. uncertain  
Goldring, 1954, p. 36. Webster, 1973, p. 160. Webster, 1977, p. 101. Lane and Moore *in* Moore and Teichert, 1978, p. T630. Webster, 1986, p. 182.  
Named, currently recognized species based on cups or crowns: 2 Devonian, Givetian species  
Devonian, Givetian; United States, Ohio, New York

*Kophinocrinus magrumi* Kesling, 1971c, p. 284, Pl. 1, figs. 1-2; Fig. 1. Kesling and Chilman, 1975, p. 164, Pl. 41, figs. 7-8; 66, fig. 1; Unnum. Fig. p. 164. Webster, 1977, p. 101. Webster, 1986, p. 183.  
Devonian, Givetian, Silica Formation. United States, Ohio

\**Kophinocrinus spiniferus* Goldring, 1954, p. 37, Pl. 5, figs. 2-6. Webster, 1973, p. 160.  
Lane and Moore *in* Moore and Teichert, 1978, p. T630, Fig. 411, no. 1.  
Webster, 1986, p. 183.  
Devonian, Givetian, Kashong Shale. United States, New York

**KOPRIACRINUS** Webster and Jell, 1999. \**Kopriacrinus mckellari* Webster and Jell, 1999.  
Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Webster and Jell, 1999a, p. 265.  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,

Westphalian species  
Pennsylvanian, Westphalian. Australia, Queensland

\**Kopriacrinus mckellari* Webster and Jell, 1999a, p. 268, Fig. 17, nos. C-E.  
Pennsylvanian, Westphalian, Neerkol Formation. Australia, Queensland

Krinit Roemer, F. A., 1866b, p. 224.  
Silurian, Wissenbacher Schiefer und Kalde. Germany

**KRINOCRINUS** Witzke and Strimple, 1981. \**K. inflatus* Witzke and Strimple, 1981.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F.  
Patelliocrinidae  
Witzke and Strimple, 1981, p. 119. Webster, 1988, p. 103.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species  
Silurian, late Llandoveryian. United States, Iowa

\**Krinocrinus inflatus* Witzke and Strimple, 1981, p. 119, Pl. 3, figs. 1-4; Fig. 11.  
Webster, 1988, p. 103.  
Silurian, late Llandoveryian, Hopkinton Dolomite, *Cyclocrinites* Beds. United  
States, Iowa

Krinoiden-Kelchstück Rakusz, 1930, p. 169, Pl. 7, fig. 15.  
Pennsylvanian. Hungary, Dobsina

**KROPPOCRINUS** Jell, 1999. \**Kroppocrinus heathcotensis* Jell, 1999.  
Sbc. Disparida, Spf. Bellemnocrinoidea, F. Pygmaeocrinidae  
Jell, 1999, p. 64.  
Named, currently recognized species based on cups or crowns: 2 Devonian,  
Lochkovian species  
Devonian, late Lochkovian. Australia, Victoria

\**Kroppocrinus heathcotensis* Jell, 1999a, p. 65, Fig. 50, nos. A-F.  
Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Kroppocrinus mathiesonensis* Jell, 1999a, p. 65, Fig. 51, nos. A-B.  
Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Kulmicrinus* n. sp. Schmidt, W. E., 1934 = *Culmicrinus* n. sp.

**KYLIXOCRINUS** Eckert, 1984. \**K. latus* Eckert, 1984.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F.  
Patelliocrinidae  
Eckert, 1984, p. 12. Webster, 1988, p. 103.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species  
Silurian, Llandoveryian. Canada

\**Kylixocrinus latus* Eckert, 1984, p. 13, Pls. 1, figs. 1-4; 2, figs. 1-6; Figs. 5, no. A; 6, nos. A-E. Webster, 1988, p. 103.  
Silurian, Llandoveryan, Cabot Head Formation. Canada, Ontario

**KYPHOSOCRINUS** Eckert and Brett, 2001. \**Kyphosocrinus tetreaulti* Eckert and Brett, 2001.  
Sbc. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Anisocrinidae  
Eckert and Brett, 2001, p. 57.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species  
Silurian, middle Llandoveryan. United States, New York

\**Kyphosocrinus tetreaulti* Eckert and Brett, 2001, p. 57, Pls. 7, figs. 2-12, 14-16, 18-20; 8, figs. 2-6, 8-9; Figs. 23, nos. A-B; 24, nos. A-F.  
Silurian, middle Llandoveryan, Wolcott Limestone. United States, New York

**KYREOCRINUS** Ausich, 1986. \**K. constellatus* Ausich, 1986.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Ausich, 1986b, p. 102. Webster, 1993, p. 74.  
Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species  
Silurian, late early or middle Llandoveryan. United States, Ohio

\**Kyreocrinus constellatus* Ausich, 1986b, p. 103, Figs. 2, nos. 5, 8-10; 10, no. 2.  
Webster, 1993, p. 75.  
Silurian, late early or middle Llandoveryan, Brassfield Formation. United States,  
Ohio

**LABROCRINUS** Webster and Waters, 2009. \**Labrocrinus granulatus* Webster and Waters, 2009.  
Sbc. Flexibia, O. Sagenocrinida, Spf. Sagenocrinoidea, F. Dactylocrinidae  
Webster and Waters, 2009, p. 283.  
Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species  
Devonian, Famennian. China, Xinjiang-Uyghur Autonomous Region

\**Labrocrinus granulatus* Webster and Waters, 2009, p. 284, Fig. 5, no. S.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
Autonomous Region

**LACCOCRINUS** Wanner, 1949. \**Basleocrinus scrobiculatus* Wanner, 1924.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Basleocrinidae  
Wanner, 1949, p. 55. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p.  
T678. Arendt, 1981, p. 20. Webster, 1986, p. 183. Webster, 1988, p. 103.  
Named, currently recognized species based on cups or crowns: 1 Permian species,  
series uncertain

Permian, series uncertain. West Timor

\**Laccocrinus scrobiculatus* (Wanner, 1924). Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 4. Arendt, 1981, p. 20, Fig. 5, nos. d-e. Webster, 1986, p. 183. Webster, 1988, p. 103.

*Basleocrinus scrobiculatus* Wanner, 1924, p. 267, Pl. 17, figs. 14-15. Bassler and Moodey, 1943, p. 497. Branson, C. C., 1948, p. 195. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678.

*Graphiocrinus scrobiculatus* (Wanner, 1924). Wanner, 1937, p. 173, Pl. 11, figs. 17-18. Bassler and Moodey, 1943, p. 497. Branson, C. C., 1948, p. 195.

Permian, series uncertain. West Timor

**LADACRINUS** Ausich and Copper, 2010. \**Ladacrinus asynaptos* Ausich and Copper, 2010.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Ausich and Copper, 2010, p. 57.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

\**Ladacrinus asynaptos* Ausich and Copper, 2010, p. 57, Pl. 12, fig. 1; Fig. 11.1.

Silurian, Llandoveryian, Jupiter Formation, East Point Member. Canada, Quebec,  
Anticosti Island

*Ladacrinus?* sp. Ausich and Copper, 2010, p. 57, Pl. 11, fig. 5; Fig. 10.1.

Silurian, Llandoveryian, Chicotte Formation. Canada, Quebec, Anticosti Island

**LAGAROCRINUS** Jaekel, 1900 = **CICEROCRINUS**

*Lagarocrinus anglicus* Jaekel, 1900 = *Cicerocrinus anglicus*

*Lagarocrinus osiliensis* Jaekel, 1900 = *Cicerocrinus osiliensis*

*Lagarocrinus scanicus* Jaekel, 1900 = *Cicerocrinus scanicus*

*Lagarocrinus tenuis* Jaekel, 1900 = *Cicerocrinus elegans*

**LAGENIOCRINUS** de Koninck and Le Hon, 1854. \**L. seminulum* de Koninck and Le Hon, 1854.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinoidea, F. Streblocrinidae

De Koninck and Le Hon, 1854, p. 187. Dujardin and Hupé, 1862, p. 218.

Zittel, 1880, p. 343, 350. Wachsmuth and Springer, 1886, p. 175 (99). Zittel, 1895, p. 125. Wachsmuth *in* Zittel, 1900, p. 136. Wanner, 1929, p. 40. Weller, J. M., 1930a, p. 31. Bassler, 1938, p. 120. Kirk, 1940e, p. 130. Bassler and Moodey, 1943, p. 529. Moore and Laudon, 1943b, p. 50. Yakovlev, 1947d, p. 44,

Fig. 9. Cuénot, 1948, p. 64. Yakovlev, 1956a, p. 80, Figs. 29; 38, no. 1. Yakovlev, 1958, p. 65, Figs. 29; 38, no. 1. Yakovlev, 1964a, p. 75, Fig. 40, no. 1. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Fig. 2. Arendt, 1970a, p. 158. Webster, 1973, p. 160. Webster, 1977, p. 101. Lane and Moore *in* Moore and Teichert, 1978, p. T605. Webster, 1986, p. 183. Named, currently recognized species based on cups or crowns: 3 species. 2 Mississippian, Viséan; 1 Permian Artinskian Mississippian, Viséan. Europe Permian, late Artinskian. Russia, Ural Mountains

*Lageniocrinus cassidus* Weller, 1930 = *Neolageniocrinus? cassidus*

*Lageniocrinus jacksoni* (Austin and Austin, 1843). Kirk, 1940e, p. 132. Wright, J., 1952a, p. 132, Pl. 36, figs. 11-12. Webster, 1973, p. 160. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 391, nos. 3d-3f. Webster, 1986, p. 183. *Sycocrinites jacksoni* Austin and Austin, 1843a, p. 111. Austin and Austin, 1843b, p. 206. Kirk, 1940e, p. 132. Bassler and Moodey, 1943, p. 693. Wright, J., 1952a, p. 132. Webster, 1973, p. 160. Webster, 1986, p. 183. *Sycocrinus jacksoni* (Austin and Austin, 1843). Bronn, 1848, p. 1210. Bather, 1914a, p. 246, Pl. 10, figs. 4-4b. Bassler and Moodey, 1943, p. 693. Mississippian, Viséan?, Mountain Limestone. United Kingdom, Scotland

*Lageniocrinus maximus* Arendt, 1970a, p. 158, Pl. 9, figs. 4-5; Fig. 41. Webster, 1977, p. 101. Permian, late Artinskian, Sarga Horizon. Russia, Priurals

\**Lageniocrinus seminulum* de Koninck and Le Hon, 1854, p. 189, Pl. 6, figs. 1a-1e. Bronn, 1860, Pl. 28, figs. 10A-10D. Zittel, 1880, p. 350, Fig. 237, nos. a-b. Bassler, 1938, p. 120. Kirk, 1940e, p. 130, Figs. 4-12. Bassler and Moodey, 1943, p. 529. Ubaghs, 1953, p. 672, Fig. 10, no. j. Yakovlev, 1964b, p. 56, Fig. 56. Arendt, 1970a, p. 158, Fig. 40. Webster, 1973, p. 160. Webster, 1977, p. 101. Lane and Moore *in* Moore and Teichert, 1978, p. T605, Fig. 391, nos. 3a-3c. Webster, 1986, p. 183. Hauser, 2004e, p. 42, Fig. 45 (misspelled as *Lageocrinus seminulum*). Mississippian, Viséan. Belgium

*Lageniocrinus seminulum West Timorensis* Wanner, 1920 = *Neolageniocrinus West Timorensis*

*Lageniocrinus seminulum* var. *West Timorensis* Wanner, 1920 = *Lageniocrinus West Timorensis* = *Neolagenicrinus West Timorensis*

*Lageniocrinus West Timorensis* Wanner, 1920 = *Neolagenicrinus West Timorensis*

?*Lageniocrinus* n. sp. Hauser, 2004e, p. 42, Fig. 45. (misspelled as ?*Lageocrinus* n. sp.)  
Devonian. Germany

*Lageniocrinus* sp. nov. Sevastopulo, 2008, p. 62, Fig. 3.5, no. 3.  
Mississippian, late Viséan, Roque Redonde Formation. France

*LAHUSENIOCRINUS* Tschernyschew, 1892 = ***SPYRIDIOCRINUS***

*Lahuseniocrinus tirlensis* Tschernyschew, 1892 = *Spyridiocrinus tirlensis*

***LAMPADOSOCRINUS*** Strimple and Koenig, 1956. \**Dichostreblocrinus minutus* Peck, 1936.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae  
Strimple and Koenig, 1956, p. 1244. Lane, N. G., 1967b, p. 13, Figs. 2, 7 (Fig. 7 erroneously listed as Fig. 8). Arendt, 1970a, p. 198. Webster, 1973, p. 161. Webster, 1977, p. 102. Lane and Moore *in* Moore and Teichert, 1978, p. T606. Strimple, 1979a, p. 46. Webster, 1986, p. 183. Sevastopulo and Lane, 1988, p. 249. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 75.

Named, currently recognized species based on cups or crowns: 5 species. 2 Mississippian, 1 Tournaisian, 1 Viséan; 2 Pennsylvanian, 1 Morrowan; 1 Bashkiran, 1 Permian, Sakmarian or Artinskian  
Mississippian, Viséan (Osagean); Pennsylvanian, Morrowan. United States Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Lampadosocrinus frustulum* Strimple, 1979a, p. 47, Fig. 1. Webster, 1986, p. 183.  
Pennsylvanian, Morrowan, Sausbee Formation, Braggs Member, Brentwood Interval. United States, Oklahoma

\**Lampadosocrinus minutus* (Peck, 1936). Strimple and Koenig, 1956, p. 1245, Fig. 4, nos. 19-21. Arendt, 1970a, p. 198, Fig. 67. Webster, 1973, p. 161. Webster, 1977, p. 102. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 391, no. 4. Webster, 1986, p. 183.

*Dichostreblocrinus minutus* Peck, 1936, p. 289, Pl. 46, figs. 27-32. Bassler and Moodey, 1943, p. 423. Strimple and Koenig, 1956, p. 1245. Sieverts-Doreck, 1960, Pl. 1, fig. 8. Webster, 1973, p. 161.

Mississippian, Tournaisian (Osagean), St. Joe Formation; Fern Glen Limestone. United States, Oklahoma, Missouri

*Lampadosocrinus obtusus* Strimple and Koenig, 1956, p. 1245, Fig. 4, nos. 16-18. Arendt, 1970a, p. 198. Webster, 1973, p. 161. Webster, 1977, p. 102.  
Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member. United States, New Mexico

*Lampadosocrinus stellatus* Webster et al., 2011, p. 41, Fig. 7, nos. q-v.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Lampadosocrinus variabilis* Webster and Jell, 1992, p. 337, Fig. 13.

Permian, late Sakmarian or early Artinskian, Callytharra Limestone. Australia, Western Australia, Carnarvon Basin

**LAMPTEROCRINUS** Roemer, 1860. \**L. tennesseensis* Roemer, 1860.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Lampterocrinidae  
Roemer, C. F., 1860a, p. 37. Roemer, C. F., 1860b, 759. Hall, 1863a, p. 8. Hall,  
1864b, p. 202. Hall, 1868, p. 238. Shumard, 1868, p. 378. Bigsby, 1868, p. 21.  
Zittel, 1880, p. 345, 375. Wachsmuth and Springer, 1881, p. 184 (358).

Wachsmuth and Springer, 1897, p. 207. Bather *in* Lankester, 1900, p. 199.

Wachsmuth *in* Zittel, 1900, p. 145. Weller, S., 1900, p. 80. Wood, E., 1909, p.  
102. Grabau and Shimer, 1910, p. 548, Fig. 1877. Springer *in* Zittel, 1913, p.

187.

Bassler, 1915, p. 689. Springer, 1926a, p. 19. Bassler and Moodey, 1943, p.  
529.

Moore and Laudon, 1943b, p. 84, Fig. 14. Moore and Laudon, 1944, p. 187, Pl.  
70, fig. 2. Ubaghs, 1953, p. 737. Strimple, 1963d, p. 82, Fig. 26 (part). Webster,  
1973, p. 161. Ubaghs *in* Moore and Teichert, 1978, p. T434. Cowen, 1981, p.  
339. Webster, 1986, p. 184. Webster, 1988, p. 103.

**BALANOCRINITES** Troost, 1850a, p. 60. Troost, 1850b, p. 419. \**B. sculptus* Troost,  
1850. Bassler, 1915, p. 689. Bassler, 1938, p. 50. Bassler and Moodey, 1943, p.  
529. Ubaghs *in* Moore and Teichert, 1978, p. T434.

**BALANOCRINUS** Hall, 1861b, p. 22 (*non* Agassiz, 1845). Hall, 1863a, p. 8. Hall,  
1864b, p. 202. Shumard, 1868, p. 378. Bigsby, 1868, p. 18. Hall, 1879a, p. 131.  
Hall, 1882b, p. 259. Miller, S. A., 1889, p. 226, 257. Zittel, 1895, p. 130. Bather *in*  
Lankester, 1900, p. 202. Bassler, 1915, p. 689. Bassler, 1938, p. 50, 121.  
Bassler and Moodey, 1943, p. 529. Ubaghs *in* Moore and Teichert, 1978, p.  
T434.

Named, currently recognized species based on cups or crowns: 10 Silurian species,  
1 subspecies, 9 Niagaran (+1 subspecies), 1 Ludlovian  
Middle Silurian, Niagaran. United States

*Lampterocrinus astroferus* Prokop, 2005, p. 137, Pls. 1, figs. 1-4; 2, figs. 1-6.

*Lampterocrinus* sp. n. Prokop, 2001a, p. 47, Fig. 1. Prokop, 2005, p. 137.  
Silurian, Ludlovian, Ludfordian, Kopanina Formation. Czech Republic

*Lampterocrinus? comptus* Rowley, 1904 = Glyptocrinidae genus and species  
undetermined

*Lampterocrinus? dubius* Weller, S., 1900, p. 84, Pl. 2, figs. 6-7. Bassler, 1915, p. 689.  
Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Lampterocrinus fatigatus* Strimple, 1963d, p. 83, Pl. 5, figs. 1-3; Figs. 23-25. Webster,  
1973, p. 161.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Lampterocrinus inflatus* (Hall, 1861). Hall, 1864c, p. 328, Pl. 10, fig. 6. Hall, 1865a, p.



24, Pl. 1, fig. 6. Hall, 1867b, p. 328, Pl. 10, fig. 6. Shumard, 1868, p. 378. Bigsby, 1868, p. 21. Hall, 1870, p. 374, Pl. 10, fig. 6. Miller, S. A., 1889, p. 257. Weller, S., 1900, p. 81, Pl. 2, figs. 2-3. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.

*Balanocrinus inflatus* Hall, 1861b, p. 22. Hall, 1861e, p. 22. Bigsby, 1868, p. 18, 196.

Miller, S. A., 1889, p. 226. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Racine Dolomite. United States, Wisconsin

*Lampterocrinus inflatus minor* Foerste, 1917a, p. 239, Pl. 10, figs. 2a-2b. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Durbin Formation, Euphemia Dolomite. United States, Ohio

*Lampterocrinus parvus* Hall, 1879c, p. 9. Hall, 1882a, p. 65. Hall, 1882b, p. 272, Pl. 15, fig. 6. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Waldron Shale. United States, Indiana

*Lampterocrinus robustus* Weller, S., 1900, p. 82, Pl. 2, figs. 4-5. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Lampterocrinus roemeri* Springer, 1926a, p. 21, Pl. 3, figs. 9-14. Bassler and Moodey, 1943, p. 530. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 17. Webster, 1973, p. 161.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Lampterocrinus sculptus* (Troost, 1850) = *Lampterocrinus tennesseensis*

*Lampterocrinus sculptus* Springer, 1926a (*non* Troost, 1850), p. 21, Pl. 3, figs. 7-8. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Lampterocrinus? subglobosus* Weller, S., 1900, p. 83, Pl. 3, fig. 5. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Lampterocrinus tennesseensis* Roemer, C. F., 1860a, p. 37, Pl. 4, figs. 1a-1b.

Shumard, 1868, p. 379. Miller, S. A., 1889, p. 257. Wachsmuth and Springer, 1897, p. 208, Pl. 13, figs. 10a-10d. Bather *in* Lankester, 1900, p. 199, Fig. 125. Frech, 1902, Pl. 11, fig. 13. Grabau and Shimer, 1910, p. 548, Fig. 1877.

Bassler, 1915, p. 690. Springer, 1926a, p. 20, Pl. 3, figs. 1-6. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 530. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 13. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 18. Webster, 1973, p. 161.

161.

Ubahgs *in* Moore and Teichert, 1978, p. T434, Fig. 245, no. 1. Brett, 1984, p. 100, Fig. 8, no. A. Webster, 1986, p. 184. Webster, 1988, p. 104. Clement and

Broadhead, 1994, p. 47. Ausich, 2009a, p. 486, suppl. p. 28.  
*Lampterocrinus tennessee-ensis* Roemer, 1860. Bigsby, 1868, p. 21.  
*Balanocrinites sculptus* Troost, 1850a, p. 60. Troost, 1850b, p. 419. Bassler, 1915, p. 689. Bassler and Moodey, 1943, p. 530.  
*Balanocrinus sculptus* (Troost, 1850). Bassler, 1938, p. 50. Miller, S. A., 1889, p. 257.  
*Lampterocrinus sculptus* (Troost, 1850). Shumard, 1868, p. 379. Miller, S. A., 1889, p. 257.  
 Silurian, Niagaran, Brownsport Formation; upper part of Decatur Limestone. United States, Tennessee

*Lampterocrinus tennessee-ensis* Roemer, 1860 = \**Lampterocrinus tennesseensis*

*Lampterocrinus* sp. Witzke and Strimple, 1981, p. 113, Pl. 2, figs. 1-3; Fig. 5. Webster, 1988, p. 104.  
 Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Lampterocrinus* sp. n. Prokop, 2001a = *Lampterocrinus astroferus*

**LANECRINUS** Kammer and Ausich, 1993. \**Scaphiocrinus depressus* Meek and Worthen, 1870.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae  
 Kammer and Ausich, 1993, p. 622.  
 Named, currently recognized species based on cups or crowns: 9 species.  
 Mississippian, 1 Tournaisian, 1 Tournaisian – Viséan, 4 Viséan, 1 Viséan – Serpukhovian, 1 Serpukhovian; 1 Pennsylvanian, Desmoinesian  
 Mississippian/Tournaisian) - Pennsylvanian, Desmoinesian. United States, Midcontinent

*Lanecrinus consectatus* (Strimple and Watkins, 1969). Kammer and Ausich, 1993, p. 622.

*Ramulocrinus consectatus* Strimple and Watkins, 1969, p. 200, Pl. 44, fig. 13.  
 Webster, 1977, p. 149. Moore and Strimple *in* Moore and Teichert, 1978, p. T688, Fig. 453, no. 4c. Webster, 1986, p. 273. Kammer and Ausich, 1993, p. 622.  
 Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone. United States, Texas

\**Lanecrinus depressus* (Meek and Worthen, 1870). Kammer and Ausich, 1993, p. 623, Figs. 6.1-6.4. Ausich, Goldstein, and Yates, 2000, p. 1073, Figs. 1, no. 9; 2, no. 13.

*Scaphiocrinus depressus* Meek and Worthen, 1870b, p. 27. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 406. Kammer and Ausich, 1993, p. 623.

*Poteriocrinus (Scaphiocrinus) depressus* (Meek and Worthen, 1873). Meek and Worthen, 1873, p. 492, Pl. 14, fig. 8. Bassler and Moodey, 1943, p. 406.  
 Kammer and Ausich, 1993, p. 623.

- Decadocrinus depressus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 119 (342). Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 406. Van Sant *in* Van Sant and Lane, 1964, p. 91, Pl. 4, figs. 2, 4, 14. Lane, N. G., 1973, p. 60, Figs. 18, 20. Webster, 1973, p. 99. Webster, 1977, p. 64. Smith, A. B., 1985, p. 171, Pl. 7.4.27. Webster, 1988, p. 67. Kammer and Ausich, 1993, p. 623.
- Scaphiocrinus granuliferus* Miller and Gurley, 1890b, p. 51, Pl. 10, fig. 3. Miller and Gurley, 1891, p. 367, Pl. 10, fig. 3. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 581. Van Sant *in* Van Sant and Lane, 1964, p. 91. Webster, 1973, p. 99. Kammer and Ausich, 1993, p. 623.
- Pachylocrinus granuliferus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 581.
- Ramulocrinus granuliferus* (Miller and Gurley, 1890). Laudon and Severson, 1953, p. 520. Webster, 1973, p. 99. Kammer and Ausich, 1993, p. 623.
- Poteriocrinus ulrichi* Worthen *in* Miller, S. A., 1889, p. 275, Fig. 408. Worthen, 1890, p. 87, Pl. 17, fig. 2. Bassler and Moodey, 1943, p. 645. Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229. Kammer and Ausich, 1993, p. 623.
- Poteriocrinites ulrichi* (Worthen *in* Miller, 1889). Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 645. Kammer and Ausich, 1993, p. 623.
- Ramulocrinus ulrichi* (Worthen *in* Miller, 1889). Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229. Kammer and Ausich, 1993, p. 623.
- Scaphiocrinus maniformis* Miller, S. A., 1892a, p. 682. Miller, S. A., 1892c, p. 46, Pl. 5, fig. 26. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 407. Kammer and Ausich, 1993, p. 623.
- Decadocrinus maniformis* (Miller, 1892). Bassler and Moodey, 1943, p. 407. Kammer and Ausich, 1993, p. 623.
- Mississippian, Viséan (Osagean), Keokuk Limestone; Edwardsville Formation; Harrodsburg Limestone. United States, Indiana, Iowa
- Lanecrinus fifensis* (Wright, 1934). Ausich and Kammer, 2006, p. 105. Kammer and Ausich, 2007c, p. 146, unfig.
- Decadocrinus fifensis* Wright, J., 1934, p. 247, Pl. 14, figs. 5-7; Figs. 6-18. Wright, J., 1939, p. 39, Pl. 8, figs. 11, 16; Fig. 46-58. Bassler and Moodey, 1943, p. 406. Wright, J., 1951b, p. 59, Pl. 12, fig. 36; Figs. 21-33. Webster, 1973, p. 99. Ausich and Kammer, 2006, p. 105.
- Mississippian, Viséan, Brigantian, lower part of Limestone Group. United Kingdom, Scotland
- Lanecrinus fountainensis* (Worthen, 1882). Kammer and Ausich, 1993, p. 622.
- Poteriocrinus fountainensis* Worthen, 1882, p. 17. Worthen, 1883, p. 286, Pl. 30, fig. 11. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 406. Burdick and Strimple, 1983a, p. 117. Webster, 1988, p. 144. Kammer and Ausich, 1993, p. 622.
- Decadocrinus fountainensis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 239 (163). Weller, S., 1898c, p. 213. Wright, J., 1934, p. 249. Bassler and

- Moodey, 1943, p. 406. Burdick and Strimple, 1983a, p. 117. Webster, 1988, p. 144.  
 not *Ramulocrinus fountainensis* (Worthen, 1882). Burdick and Strimple, 1983a, p. 117, Pl. 22, figs. 4, 6, 13, 16. Webster, 1988, p. 144. Kammer and Ausich, 1993, p. 622.  
 Mississippian, Viséan - Serpukhovian (Chesterian), Bangor Limestone; Renault Formation; Gasper Formation. United States, Illinois, Alabama
- Lanecrinus halli* (Hall, 1861). Kammer and Ausich, 1993, p. 622, Figs. 6.5-6.6.  
*Scaphiocrinus halli* Hall, 1861a, p. 308. Hall, 1861b, p. 7. Hall, 1861c, p. 308. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 213. Bassler and Moodey, 1943, p. 406. Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229. Kammer and Ausich, 1993, p. 622.  
*Decadocrinus halli* (Hall, 1861). Weller, S., 1898c, p. 213. Springer, 1926b, p. 65, 91, Pl. 17, figs. 4-5. Bassler and Moodey, 1943, p. 406. Moore and Laudon, 1944, p. 169, Pl. 59, fig. 8. Webster, 1973, p. 99.  
*Ramulocrinus halli* (Hall, 1861). Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229. Moore and Strimple *in* Moore and Teichert, 1978, p. T687, Fig. 453, no. 4b. Webster, 1986, p. 273.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Lanecrinus milleri* (Wetherby, 1881). Kammer and Ausich, 1993, p. 622.  
*Poteriocrinus milleri* Wetherby, 1881a, p. 330, Pl. 9, figs. 12-13. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 407. Burdick and Strimple, 1983a, p. 118. Webster, 1988, p. 144. Webster, 1993, p. 102. Kammer and Ausich, 1993, p. 622.  
*Decadocrinus milleri* (Wetherby, 1881). Wachsmuth and Springer, 1886, p. 239 (163). Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 407. Burdick and Strimple, 1983a, p. 118. Etensohn and Chesnut, 1985, p. 350, Fig. 10, no. d. Webster, 1988, p. 144. Webster, 1993, p. 102.  
*Ramulocrinus milleri* (Wetherby, 1881). Burdick and Strimple, 1983a, p. 118, Pl. 22, figs. 7, 11, 17. Chestnut and Etensohn, 1988, p. 47, Pl. 4, figs. 20-23. Webster, 1988, p. 144. Webster, 1993, p. 102.  
 Mississippian, Serpukhovian (Chesterian), Bangor Limestone; Pennington Formation; Glen Dean Limestone. United States, Alabama, Kentucky
- Lanecrinus? otterensis* (Worthen, 1882). Kammer and Ausich, 1993, p. 624, Fig. 6.13.  
*Poteriocrinus otterensis* Worthen, 1882, p. 14. Worthen, 1883, p. 283, Pl. 28, fig. 4. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 477. Bassler and Moodey, 1943, p. 643. Kammer and Ausich, 1993, p. 624.  
*Poteriocrinites otterensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 643. Kammer and Ausich, 1993, p. 624.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois
- Lanecrinus repertus* (Miller and Gurley, 1890). Kammer and Ausich, 1993, p. 623, Figs. 6.7-6.12.  
*Scaphiocrinus repertus* Miller and Gurley, 1890b, p. 45, Pl. 8, figs. 1-2. Miller and

- Gurley, 1891, p. 362, Pl. 8, figs. 1-2. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 583. Laudon, Parks, and Spreng, 1952, p. 558. Webster, 1973, p. 229. Kammer and Ausich, 1993, p. 623.
- Ramulocrinus repertus* (Miller and Gurley, 1890). Laudon, Parks, and Spreng, 1952, p. 558. Webster, 1973, p. 229.
- Pachylocrinus repertus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 583.
- Decadocrinus repertus* (Miller and Gurley, 1890). Moore and Laudon, 1944, p. 169, Pl. 64, fig. 26. Webster, 1973, p. 229.
- Scaphiocrinus gorbyi* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892a, p. 681, Fig. 1245. Miller, S. A., 1892c, p. 46, Pl. 12, fig. 15. Weller, S., 1898c, p. 543. Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 623.
- Pachylocrinus gorbyi* (Miller, 1892). Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 623.
- Mississippian, Viséan (early Meramecian), Harrodsburg Limestone; upper part of Warsaw Limestone. United States, Indiana, Missouri
- Lanecrinus trymensis* (Wright, 1951). Ausich and Kammer, 2006, p. 105, Fig. 1, no. F.
- Decadocrinus trymensis* Wright, J., 1951b, p. 60, Pl. 13, fig. 7. Webster, 1973, p. 100. Ausich and Kammer, 2006, p. 105.
- Mississippian, Viséan, Ivorian. United Kingdom, Scotland
- "Large-canal crinoid brachial plate" Sprinkle, 1971, p. D94, Fig. 1, nos. 77-78. Webster, 1977, p. 181.
- Middle Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada
- LASANOOCRINUS** Moore and Plummer, 1940. \**Hydreionocrinus daileyi* Strimple, 1940
- Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae
- Moore and Plummer, 1940, p. 181. Bassler and Moodey, 1943, p. 530. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 163. Knapp, 1969, p. 369, Fig. 2. Strimple and Watkins, 1969, p. 203. Moore and Strimple, 1973, p. 68. Webster, 1973, p. 161. Webster, 1977, p. 102. Moore and Strimple in Moore and Teichert, 1978, p. T726. Webster, 1986, p. 184.
- Named, currently recognized species based on cups or crowns: 6 Pennsylvanian species, 5 Morrowan, 1 Morrowan - Atokan
- Pennsylvanian, Morrowan - Atokan. United States
- Lasanocrinus altamontensis* Strimple, 1950 = *Triceracrinus altamontensis*
- Lasanocrinus cornutus* Moore and Plummer, 1940, p. 184, Pl. 7, fig. 4; Fig. 35. Bassler and Moodey, 1943, p. 530. Moore and Laudon, 1944, p. 163, Pl. 62, fig. 6. Knapp, 1969, p. 369, Fig. 26. Strimple and Watkins, 1969, p. 208. Webster, 1973, p. 161. Webster, 1977, p. 102. Moore and Strimple in Moore and Teichert, 1978, p. T728, Fig. 479, nos. 1d-1e. Webster, 1986, p. 184.
- Pennsylvanian, Morrowan - Atokan, Marble Falls Limestone, Lemons Bluff Member. United States, Texas

- \**Lasanocrinus daileyi* (Strimple, 1940). Moore and Plummer, 1940, p. 183, Fig. 34. Bassler and Moodey, 1943, p. 530. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 14. Knapp, 1969, p. 369, Fig. 25. Moore and Strimple, 1973, p. 68. Webster, 1973, p. 161. Webster, 1977, p. 102. Moore and Strimple *in* Moore and Teichert, 1978, p. T728, Fig. 479, nos. 1a-1c. Webster, 1986, p. 184.  
*Hydreionocrinus daileyi* Strimple, 1940a, p. 93, Pl. 8, figs. 4-6. Bassler and Moodey, 1943, p. 530.  
 Pennsylvanian, Morrowan, Morrow Formation, Wapanucka Limestone Member, Brentwood Limestone Member. United States, Oklahoma
- Lasanocrinus daileyi* (Strimple, 1940), Moore and Plummer, 1940 (part) = *Lasanocrinus nodatus*
- Lasanocrinus daileyi* (Strimple, 1940), Moore and Plummer, 1940 (part) = *Lasanocrinus multinodulus*
- Lasanocrinus minutus* Moore and Strimple, 1973, p. 79, Pl. 18, figs. 3a-4d. Webster, 1977, p. 103.  
 Pennsylvanian, Morrowan, Morrow Formation, Brentwood Limestone Member. United States, Oklahoma
- Lasanocrinus multinodulus* Moore and Strimple, 1973, p. 69. Webster, 1977, p. 103.  
*Lasanocrinus daileyi* (Strimple, 1940). Moore and Plummer, 1940, Pl. 7, fig. 6 only. Moore and Strimple, 1973, p. 69. Webster, 1977, p. 103.  
*Hydreionocrinus daileyi* (Strimple, 1940). Moore and Plummer, 1940, p. 183. Pennsylvanian, Morrowan, Morrow Formation, Brentwood Limestone Member. United States, Oklahoma
- Lasanocrinus nodatus* Moore and Strimple, 1973, p. 69, Pls. 9, figs. 4a-4b; 18, figs. 5-6; 19, figs. 2-3. Webster, 1977, p. 102.  
*Hydreionocrinus daileyi* Strimple, 1940, p. 93, Pl. 1, figs. 4-6. Moore and Plummer, 1940, p. 183, Pl. 7, fig. 5 only.  
*Lasanocrinus daileyi* (Strimple, 1940). Moore and Strimple, 1973, p. 69. Webster, 1977, p. 102.  
 Pennsylvanian, Morrowan, Morrow Formation, Brentwood Limestone Member. United States, Oklahoma
- Lasanocrinus nodus* Moore and Strimple, 1973, p. 69, Pl. 18, figs. 7a-7d. Webster, 1977, p. 102.  
 Pennsylvanian, Morrowan. United States, Oklahoma
- Lasanocrinus strigosus* (Moore and Plummer, 1938) = *Plaxocrinus strigosus*
- LASIOCRINUS** Kirk, 1914. \**Homocrinus scoparius* Hall, 1859.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae

Kirk, 1914, p. 482. Bassler, 1915, p. 690. Schmidt, W. E., 1934, p. 81. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 531. Moore and Laudon, 1943b, p. 55, Fig. 7. Moore and Laudon, 1944, p. 158, Pl. 52, fig. 5. Ubaghs, 1953, p. 752. Moore, 1962b, p. 15, Fig. 10 no. 5. Arendt and Hecker, 1964, p. 86. Philip, 1965a, Fig. 2, no. c. Webster, 1973, p. 161. Pabian and Strimple, 1976a, p. 759. Webster, 1977, p. 103. Moore and Lane *in* Moore and Teichert, 1978, p. T625. Kelly, 1982, p. 289, Fig. 9, nos. 4, 10. Webster, 1986, p. 184. Webster, 1988, p. 104. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 75.

Named, currently recognized species based on cups or crowns: 7 species. 6 Devonian, 1 Lochkovian, 3 Emsian, 1 Eifelian, 1 Frasnian; 1 Mississippian, Tournaisian

Devonian, Lochkovian, Emsian - Eifelian; Early Mississippian, Tournaisian (Kinderhookian). United States

Early Devonian, late Siegenian or early Emsian. Germany

Late Devonian, Frasnian. Russia

*Lasiocrinus expressus* Laudon, 1933, p. 60, Pl. 6, figs. 7-8. Bassler and Moodey, 1943, p. 531. Moore and Laudon, 1944, p. 158, Pl. 53, fig. 14. Jacobson, 1970, p. 232, Unnum. Fig. bottom p. 229. Webster, 1973, p. 161. Webster, 1977, p. 103. Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Lasiocrinus konkolodesae* Yakovlev, 1956. Webster, 1973, p. 161.

*Lasiocrinus kon-kolodesae* Yakovlev, 1956b, p. 91, Pl. 1, fig. 3. Arendt and Hecker, 1964, p. 86, Pl. 10, fig. 1. Webster, 1973, p. 161.

Devonian, Frasnian, Evlanov Horizon. Russia, Voronez Region

*Lasiocrinus kon-kolodesae* Yakovlev, 1956b = *Lasiocrinus konkolodesae*

*Lasiocrinus ovalis* (Rowley, 1904) = *Thalamocrinus ovalis*

*Lasiocrinus? scaber* Schmidt, 1942 = *Nuxocrinus scaber*

*Lasiocrinus? schohariensis* Goldring, 1923, p. 343, Pl. 43, fig. 9. Bassler and Moodey, 1943, p. 531.

Devonian, Emsian, Schoharie Grit. United States, New York

\**Lasiocrinus scoparius* (Hall, 1859). Kirk, 1914, p. 474, Pl. 42, figs. 10-12. Bassler, 1915, p. 690. Goldring, 1923, p. 340, Pls. 42, figs. 4-10; 43, figs. 1-7. Bassler and Moodey, 1943, p. 531. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 4.

Moore

and Laudon, 1944, p. 158, Pls. 52, fig. 5; 53, fig. 15. Webster, 1973, p. 161.

Moore and Lane *in* Moore and Teichert, 1978, p. T625, Fig. 407, no. 3. Webster, 1986, p. 184. Brett *in* Hess et al., 1999 p. 107, Fig. 119.

*Homocrinus scoparius* Hall, 1859b, p. 102, Pl. 1, figs. 1-9. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255, Fig. 340. Talbot, 1903, p. 19, Pl.

- 3, fig. 3. Bassler, 1915, p. 690. Ehrenberg, 1922c, p. 279, Fig. 12. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 531.  
*Dendrocrinus (Homocrinus) scoparius* (Hall, 1859). Wachsmuth and Springer, 1881, p. 302 (p. 79). Bassler, 1915, p. 690.  
 Devonian, Lochkovian, Manlius/Coeymans transitional Limestone. United States, New York
- Lasiocrinus* sp. cf. *L. scoparius* (Hall, 1859). Pabian and Strimple, 1976a, p. 761, Fig. 1, nos. A-D. Webster, 1986, p. 184.  
 Devonian, Eifelian, Marcellus Shale. United States, Maryland
- Lasiocrinus subramulosus* Schmidt, W. E., 1934, p. 81, Pl. 7, fig. 3; Fig. 17. Bassler and Moodey, 1943, p. 531.  
 Devonian, early Emsian, Hunsrückschiefer. Germany
- Lasiocrinus tenuis* Goldring, 1923 = *Antihomocrinus tenuis*
- Lasiocrinus? vastus* Schmidt, W. E., 1942, p. 102, Pl. 12, fig. 4. Webster, 1973, p. 162.  
 Devonian, Emsian. Germany
- Lasiocrinus* sp. Goldring, 1929, p. 115, Fig. 28, no. D.  
 Early Devonian. United States, New York
- Lasiocrinus? sp.* Breimer, 1962a, p. 169, Pl. 15, figs. 11-12. Webster, 1973, p. 162.  
 Devonian, Emsian, La Vid. Spain
- LATIBRACHIOLA** Termier and Termier, 1974. *Nomen vetitum*  
 Termier, H. and Termier, G., 1974, p. 31. Jeffords in Moore and Teichert, 1978, p. T937. Webster, 1986, p. 184.  
 Devonian, Pragian. Morocco
- Latibrachiola* sp. 1 Termier, H. and Termier, G., 1974, p. 31, Pl. 4, fig. 4. Webster, 1986, p. 184.  
 Devonian, Pragian. Morocco
- LATICRINUS** Ausich and Kammer, 2009. \**Laticrinus oweni* Ausich and Kammer, 2009. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinitidae  
 Ausich and Kammer, 2009, p. 711.  
 Named, currently recognized species based on cups or crowns: 2 Mississippian, Viséan species  
 Mississippian, Viséan (early Osagean). United States
- \**Laticrinus oweni* Ausich and Kammer, 2009, p. 711, Figs. 3.1-3.1.  
*Platycrinites discoideus* (Owen and Shumard, 1850) Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 4. Wachsmuth and Springer, 1897, p. 713, Pls. 3, fig. 17; 66, figs. 10a-10c. Ausich and Kammer, 2009, p. 711.  
 Mississippian, Viséan (early Osagean), lower part of Burlington Limestone. United



States, Iowa, Missouri

*Laticrinus wachsmuthi* Ausich and Kammer, 2009, p. 712.

*Platycrinites yandelli* (Owen and Shumard, 1850) Wachsmuth and Springer, 1897, part. Ausich and Kammer, 2009, p. 712.

*Platycrinus yandelli* Owen and Shumard, 1850. Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 8. Wachsmuth and Springer, 1897, p. 706, Pl. 66, figs. 6a-6c; 68, figs. 3a-3c.

Mississippian, Viséan (early Osagean), lower part of Burlington Limestone. United States, Iowa

**LAUBEOCRINUS** Waagen and Jahn, 1893 = **SCYPHOOCRINITES**

*Laubeocrinus barrandei* Waagen and Jahn, 1899 = *Scyphocrinites elegans?*

**LAUDONOCRINUS** Moore and Plummer, 1940. \**Hydreionocrinus subsinuatus* Miller and Gurley, 1894.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Laudonocrinidae

Moore and Plummer, 1940, p. 174. Bassler and Moodey, 1943, p. 531. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 163. Knapp, 1969, p. 380. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 19. Strimple and Moore, 1971b, p. 19. Strimple and Cocke, 1973, p. 154. Webster, 1973, p. 162. Pabian and Strimple, 1974b, p. 11. Webster, 1977, p. 103. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663. Pabian and Strimple, 1980a, p. 167. Bowsher and Strimple, 1986, p. 14. Webster, 1986, p. 185. Pabian and Strimple, 1993, p. 34. Webster, 1993, p. 75.

**APPALACHIACRINUS** Burke, 1974b, p. 5. \**A. erwini* Burke, 1974. Moore and Strimple *in* Moore and Teichert, 1978, p. T663. Webster, 1986, p. 64.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian species, 2 Desmoinesian, 1 Missourian, 1 Missourian - ?Virgilian Pennsylvanian, Desmoinesian - Virgilian. United States

*Laudonocrinus arrectus* Moore and Plummer, 1940, p. 180, Pl. 5, fig. 7. Bassler and Moodey, 1943, p. 531. Knapp, 1969, p. 380. Webster, 1977, p. 103.

Pennsylvanian, Desmoinesian, Mineral Wells Formation. United States, Texas

*Laudonocrinus catillus* Moore and Plummer, 1940, p. 178, Pl. 6, fig. 5; Fig. 33. Bassler and Moodey, 1943, p. 531. Moore and Laudon, 1944, p. 165, Pl. 64, fig. 9. Strimple, 1962e, p. 25, Pls. 1, figs. 13-14; 4, figs. 9-11. Knapp, 1969, p. 380. Webster, 1973, p. 162. Webster, 1977, p. 103. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663, Fig. 435, nos. 2b-2d. Webster, 1986, p. 185. Pennsylvanian, Desmoinesian, Millsap Lake Formation; Oologah Limestone. United States, Texas, Oklahoma

*Laudonocrinus cucullus* Moore and Plummer, 1940 = *Athlocrinus cucullus*

*Laudonocrinus erwini* (Burke, 1974). New Combination

*Appalachiacrinus erwini* Burke, 1974b, p. 6, Figs. 9-12. Webster, 1986, p. 64.  
Late Pennsylvanian, Missourian, Conemaugh Group, Ames Limestone. United States, West Virginia

\**Laudonocrinus subsinuatus* (Miller and Gurley, 1893). Moore and Plummer, 1940, p. 176. Bassler and Moodey, 1943, p. 532. Moore and Laudon, 1944, p. 165, Pls. 62, fig. 10; 64, fig. 10. Knapp, 1969, p. 380, Fig. 45. Strimple and Moore, 1971a, p. 20, Pl. 9, figs. 1a-1b, 3. Strimple and Cocke, 1973, p. 154, Pl. 21, figs. 7-8. Webster, 1973, p. 162. Pabian and Strimple, 1974b, p. 11, Fig. 4, nos. 8-10. Webster, 1977, p. 103. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T663, Figs. 435, no. 2a; 436, no. 5. Pabian and Strimple, 1980a, p. 168, Fig. 7, nos. D-F. Bowsher and Strimple, 1986, p. 14, Figs. 39, nos. a-e; 58, nos. a-g. Webster, 1986, p. 185. Pabian and Strimple, 1993, p. 34, Fig. 14, nos. h-m. Webster, 1993, p. 75.

*Hydreionocrinus subsinuatus* Miller and Gurley, 1893, p. 40, Pl. 6, figs. 11-14. Miller, S. A., 1897, p. 747. Weller, S., 1898c, p. 311. Bassler and Moodey, 1943, p. 532.

*Plaxocrinus subsinuatus* (Miller and Gurley, 1893). Moore and Plummer, 1938, p. 279. Bassler and Moodey, 1943, p. 532.

Pennsylvanian, Missourian, ?Virgilian, Gobbler Formation; Bond Formation, LaSalle Limestone Member; Kansas City Formation, Argentine Limestone; Ladore Shale; Hogshooter Formation; Winterset Limestone; South Bend Limestone. United States, New Mexico, Illinois, Oklahoma, Missouri, Iowa

*Laudonocrinus* sp. cf. *L. subsinuatus* (Miller and Gurley, 1894).

Strimple and Moore, 1971b, p. 19, Fig. 6, no. 5. Webster, 1977, p. 103.

Pabian and Strimple, 1980b, p. 15, Pl. 4, figs. 10-11. Webster, 1986, p. 185.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

Pennsylvanian, Virgilian, Oread Formation, Plattsmouth Limestone Member.

United States, Iowa

*Laudonocrinus* sp. Strimple, 1957, p. 369, Fig. 1, nos. a-b. Webster, 1973, p. 162.

Pennsylvanian, Missourian, Avant Limestone. United States, Oklahoma

*Laudonocrinus?* sp. indet. Hashimoto, 1984, p. 8, Pl. 10, figs. 1a-1c; Fig. 4, nos. 6a-6b.

Webster, 1993, p. 75.

Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan

**LAURELOCRINUS** Springer, 1926. \**L. paulensis* Springer, 1926.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinitoidea, F. Patelliocrinidae

Springer, 1926a, p. 32. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 532.

Moore and Laudon, 1943b, p. 98. Moore and Laudon, 1944, p. 200. Ubaghs,

1953, p. 742. Webster, 1973, p. 162. Ubaghs *In* Moore and Teichert, 1978, p.

T508. Webster, 1986, p. 185.

Named, currently recognized species based on cups or crowns: 4 Silurian, Niagaran species

Silurian, Niagaran. United States

*Laurelocrinus gibbosus* Springer, 1926a, p. 33, Pl. 7, figs. 14-16. Bassler and Moodey, 1943, p. 532.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

\**Laurelocrinus paulensis* Springer, 1926a, p. 33, Pl. 7, figs. 1-8. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 532. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 20. Webster, 1973, p. 162. Ubaghs *in* Moore and Teichert, 1978, p. T508, Fig. 309, no. 3. Webster, 1986, p. 185.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Laurelocrinus spinoradialis* Springer, 1926a, p. 34, Pl. 7, figs. 17-17b. Bassler and Moodey, 1943, p. 532.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Laurelocrinus wilsoni* Springer, 1926a, p. 33, Pl. 7, figs. 9-13a. Bassler and Moodey, 1943, p. 532. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 13. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 19. Webster, 1973, p. 162.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

**LAURUCRINUS** Ausich and Copper, 2010. \**Laurucrinus sandtopensis* Ausich and Copper, 2010.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Ausich and Copper, 2010, p. 42.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

\**Laurucrinus sandtopensis* Ausich and Copper, 2010, mp. 42, Pl. 9, fig. 4; Fig. 9.7. Silurian, Llandoveryian, Gun River Formation, Macgillivray Member. Canada, Quebec,

Anticosti Island

**LEBETOCRINUS** Kirk, 1940. \**L. grandis* Kirk, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Bursacrinidae

Kirk, 1940d, p. 74. Bassler and Moodey, 1943, p. 532. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 162. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T673. Webster, 1986, p. 185.

Lane and Sevastopulo, 1993, p. 336. Kammer and Ausich, 1992, p. 477.

Webster, 1993, p. 75. Kammer and Roeser, 2012 pl. 483.

Named, currently recognized species based on cups or crowns: 2 Mississippian, species, 1 Tournaisian, 1 Viséan

Mississippian, Viséan (late Osagean - early Meramecian). United States, Indiana

\**Lebetocrinus grandis* Kirk, 1940d, p. 75, Pl. 11, figs. 1-5. Bassler and Moodey, 1943, p. 532. Moore, 1962b, p. 24, Fig. 15. Van Sant *in* Van Sant and Lane, 1964, p.

83. Webster, 1973, p. 162. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T673, Fig. 443, no. 3. Webster, 1986, p. 185. Kammer and Ausich, 1992, p. 478.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; Harrodsburg Limestone. United States, Indiana

*Lebetocrinus ohioensis* Kammer and Roeser, 2012, p. 483, figs. 4,11, 5,1, Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale Member. United States, Ohio

Lecanocrinidae? Le Maitre, 1958 = *Codiocrinus robustus* Le Menn, 1997

Lecanocrinidae gen. et sp. indet. Branisa, 1965, Pl. 54, figs. 7-11. Webster, 1977, p. 104.

Early Permian, Copacabana Group. Bolivia

Lecanocrinidae? indeterminate Ausich and Copper, 2010, p. 59, Pl. 12, fig. 10; Fig. 10.4.

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

Lecanocrinidé Le Maitre, 1954, p. 2108.

Devonian, early Eifelian. l'Erg el Djemel

**LECANOCRINUS** Billings, 1857 = **PROTAXOCRINUS**

**LECANOCRINUS** Hall, 1852. \**L. macropetalus* Hall, 1852.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Lecanocrinidae

Hall, 1852a, p. 199. Pictet, 1857, p. 319. Billings, E., 1857a, p. 278. Dujardin and Hupé, 1862, p. 132. Schultze, 1866, p. 40 (adv. pub.) . Schultze, 1867, p. 152. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Beyrich, 1871b, p. 404. Angelin, 1878, p. 11. Zittel, 1880, p. 343, 355. Wachsmuth and Springer, 1880 (1879), p. 30 (282). Miller, S. A., 1889, p. 257. Zittel, 1895, p. 138. Koken, 1896, p. 283. Bather *in* Lankester, 1900, p. 188. Wachsmuth *in* Zittel, 1900, p. 163. Weller, S., 1900, p. 147. Grabau, 1901a, p. 160. Grabau, 1901b, p. 160. Springer, 1902, p. 94. Springer, 1906, p. 491. Grabau and Shimer, 1910, p. 564. Springer *in* Zittel, 1913, p. 203. Bassler, 1915, p. 692. Springer, 1920a, p. 125. Springer, 1926a, p. 65. Wanner, 1924, p. 88. Wanner, 1938, p. 122. Bassler and Moodey, 1943, p. 532. Moore and Laudon, 1943b, p. 76, Fig. 11. Moore and Laudon, 1944, p. 181, Pl. 66, figs. 6, 13. Cuénot, 1948, p. 67. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 756. Philip, 1963, Fig. 1, no. b. Arendt and Hecker, 1964, p.

94.

Brower, 1973, p. 466, Fig. 45. Webster, 1973, p. 162. Webster, 1977, p. 104. Ubaghs *in* Moore and Teichert, 1978, p. T99, Fig. 74, no. 1. Moore *in* Moore and Teichert, 1978, p. T777, Figs. 506, no. 2a; 507, no. 1b; 509, no. 2a. Strimple and Pareyn, 1982, p. 228. Webster, 1986, p. 186. Webster, 1988, p. 104. Donovan

et

al., 2010, p. 100. LeMenn, 2009, p. 469, Fig. 7.26, no.d.

*ALSOPOCRINUS* Tansey, 1924, p. 181. \**A. anna* Tansey, 1924. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296. Moore and Laudon, 1943b, p. 55. Webster, 1973, p. 48. Moore and Lane *in* Moore and Teichert, 1978, p. T608. McIntosh, 1981b, p. 963. Webster, 1986, p. 54.

*CYRTIDOCRINUS* Angelin, 1878, p. 20. \**C. facietatus* Angelin, 1878. Wachsmuth and Springer, 1880 (1879), p. 145 (368). Wachsmuth and Springer, 1886, p. 141 (65). Zittel, 1895, p. 138. Bather *in* Lankester, 1900, p. 188. Wachsmuth *in* Zittel, 1900, p. 164. Bassler, 1915, p. 692. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 532.

Named, currently recognized species based on cups or crowns: 6 species. 3 Silurian, 2 Niagaran, 1 Late Silurian, series not designated; 3 Devonian, 2 Lochkovian, 1 Emsian  
Middle Silurian, Niagaran; Early Devonian, Lochkovian. North America  
Silurian, Wenlockian, Ludlovian; Devonian, Lochkovian - Emsian. Europe  
Late Silurian. Australia, New South Wales

*Lecanocrinus angulatus* Springer, 1920 = *Lecanocrinus (Alnecocrinus) angulatus*

*Lecanocrinus anna* (Tansey, 1924). McIntosh, 1981b, p. 963, Fig. 1, nos. C-E.  
*Alsopocrinus anna* Tansey, 1924, p. 181, Pl. 44, Figs. 4-6. Bassler, 1938, p. 38. Bassler and Moodey, 1943, p. 296. Moore and Lane *in* Moore and Teichert, 1978, p. T608, Fig. 395, no. 2. McIntosh, 1981b, p. 963. Webster, 1986, p. 54. Webster, 1988, p. 104.  
Devonian, Lochkovian, Bailey Limestone. United States, Missouri

*Lecanocrinus bacchus* (Salter, 1873) = *Lecanocrinus (L.) bacchus*

*Lecanocrinus billingsi* Angelin, 1878 = *Lecanocrinus (L.) billingsi*

*Lecanocrinus breviarticulatus* Chapman, F., 1935, p. 190, Pl. 10, figs. 1-6. Bassler and Moodey, 1943, p. 533.  
Late Silurian, series not given. Australia, New South Wales

*Lecanocrinus brevis* Strimple, 1952 = \**Nummicrinus brevis*

*Lecanocrinus caliculus* Hall, 1852 = *Pycnosaccus calyculus*

*Lecanocrinus calyculus* Hall, 1852 = *Pycnosaccus calyculus*

*Lecanocrinus elegans* Billings, 1857 = *Protaxocrinus elegans*

*Lecanocrinus elongatus* Springer, 1926a, p. 65, Pl. 20, figs. 13-14. Bassler and Moodey, 1943, p. 533. Brett, 1984, p. 103, Fig. 11, no. B. Webster, 1988, p. 104.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Lecanocrinus erectus* Strimple, 1952 = *Lecanocrinus (Alnecocrinus) erectus*

*Lecanocrinus excavatus* Ringueberg, 1886 = *Asaphocrinus excavatus*

*Lecanocrinus facietatus* (Angelin, 1878) = *Cyrtidocrinus facietatus* = *Lecanocrinus* (*L.*) *facietatus*

*Lecanocrinus greenei* Miller and Gurley, 1896 = *Anisocrinus greenei*

*Lecanocrinus hanusi* Prokop and Petr, 1993a, p. 6, Pls. 5, figs. 2-5; 6, figs. 1-10; 7, figs. 1-10; Figs. 1, nos. a, b; 2.

Devonian, early Emsian, Zlichov Formation. Czech Republic, Bohemia

*Lecanocrinus hemisphericus* Rowley, 1904 = *Lecanocrinus pisiformis* = *Nummicrinus pisiformis*

*Lecanocrinus huntonensis* Strimple, 1952 = *Lecanocrinus* (*Lecanocrinus*) *huntonensis*

*Lecanocrinus incisus* Ringueberg, 1886 = *Asaphocrinus incisus*

*Lecanocrinus invaginatus* Strimple, 1952f, p. 322, Figs. 1-4. Strimple, 1963d, p. 121. Webster, 1973, p. 162.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Lecanocrinus laevis* Billings, 1857 = *Protaxocrinus laevis*

*Lecanocrinus lawsonae* McIntosh, 1981b, p. 964, Fig. 1, nos. A-B. Webster, 1988, p. 104. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, lower part of Birdsong Member. United States, Tennessee

*Lecanocrinus* (***Alnecocrinus***) *erectus* Frest and Strimple, 1978. \**Lecanocrinus erectus* Strimple, 1952.

Frest and Strimple, 1978c, p. 527. Webster, 1986, p. 186.

Named, currently recognized species based on cups or crowns: 2 Silurian species, 1 Niagaran, 1 Wenlockian

Silurian, Wenlockian. Sweden, United States

*Lecanocrinus* (*Alnecocrinus*) *angulatus* Springer, 1920. Frest and Strimple, 1978c, p. 527. Webster, 1986, p. 186.

*Lecanocrinus angulatus* Springer, 1920a, p. 139, Pl. 2, figs. 24a-24c. Bassler and Moodey, 1943, p. 532. Strimple, 1963d, p. 120. Webster, 1973, p. 162.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Lecanocrinus* (\**Alnecocrinus*) *erectus* (Strimple, 1952). Frest and Strimple, 1978c, p. 527. Webster, 1986, p. 186.

*Lecanocrinus erectus* Strimple, 1952f, p. 319, Figs. 9-10. Strimple, 1963d, p. 123. Webster, 1973, p. 162.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

***Lecanocrinus (Lecanocrinus)*** Hall, 1852. \**L. macropetalus* Hall, 1852.

Frest and Strimple, 1978c, p. 524, Figs. 1; 2, no. B. Webster, 1986, p. 186.

Named, currently recognized species based on cups or crowns: 12 species. 8

Silurian, 4 Wenlockian, 1 Wenlockian – Ludlovian, 3 Niagaran; 1 Silurian – Devonian, Niagaran – Lochkovian; 3 Devonian, 2 Lochkovian, 1 Lochkovian – Pragian

Middle Silurian, Niagaran; Early Devonian, Lochkovian. North America

Middle - Late Silurian; Devonian, Lochkovian - Pragian. Europe

*Lecanocrinus (Lecanocrinus) bacchus* (Salter, 1873). Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 186. Donovan et al., 2007, p. 48, Fig. 6, no. I. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 6. Donovan et al., 2010, p. 100, Pl. 27, fig. 1; Fig. 42.

*Ichthyocrinus bacchus* Salter, 1873, p. 126. Bassler and Moodey, 1943, p. 532.

*Lecanocrinus bacchus* (Salter, 1873). Springer, 1920a, p. 138, Pl. 2, figs. 25-28.

Bassler and Moodey, 1943, p. 532. Fernhead and Donovan, 2012, p. 5, Fig. 1.

Silurian, Wenlockian, Homeric, Much Wenlock Limestone Formation. United Kingdom, Shropshire

*Lecanocrinus (Lecanocrinus) billingsi* Angelin, 1878. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 186.

*Lecanocrinus billingsi* Angelin, 1878, p. 12, Pl. 22, figs. 25a. Zittel, 1880, p. 355,

Fig. 242, nos. a-b. Zittel, 1895, p. 138, Fig. 271, nos. a-b. Wachsmuth *in* Zittel, 1900, p. 163, Fig. 271, nos. a-b. Springer, 1920a, p. 132, Pl. 2, figs. 1-15.

Bassler and Moodey, 1943, p. 533.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Lecanocrinus (Lecanocrinus) facietatus* (Angelin, 1878). Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 186. Prokop and Petr, 1993a, p. 3, Pl. 1, figs. 1-3.

*Cyrtidocrinus facietatus* Angelin, 1878, p. 20, Pl. 21, figs. 13-14a. Bassler, 1938, p. 81. Bassler and Moodey, 1943, p. 533.

*Lecanocrinus facietatus* (Angelin, 1878). Springer, 1920a, p. 133, Pl. 2, figs. 16-21.

Bassler and Moodey, 1943, p. 533. Moore *in* Moore and Teichert, 1978, p.

T777, Fig. 518, nos. 1d, 1e. Webster, 1986, p. 186.

Silurian, Wenlockian. Sweden, Isle of Gotland

Silurian, Ludlovian, Kopanina Formation. Czech Republic, Bohemia

*Lecanocrinus cf. facietatus* (Angelin, 1878). Prokop and Petr, 1993a, p. 4, Pl. 1, figs. 4-11.

Devonian, Lochkovian, Kotys Limestone. Czech Republic, Bohemia

*Lecanocrinus (Lecanocrinus) huntonensis* Strimple, 1952. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus huntonensis* Strimple, 1952f, p. 323, Figs. 11-12. Webster, 1973, p. 162. McIntosh, 1981b, p. 962. Webster, 1988, p. 104.

Devonian, Lochkovian, Haragan Formation. United States, Oklahoma

*Lecanocrinus (Lecanocrinus) lindenensis* Strimple, 1952. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus lindenensis* Strimple, 1952f, p. 320, Figs. 5-8. Webster, 1973, p. 162. Silurian, Wenlockian, Lobelville Formation. United States, Tennessee

*Lecanocrinus (Lecanocrinus) lindstroemi* Springer, 1920. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus lindstroemi* Springer, 1920a, p. 134, Pl. 2, figs. 22-23. Bassler and Moodey, 1943, p. 533. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Lecanocrinus (Lecanocrinus) macropetalus* Hall, 1852. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

\**Lecanocrinus macropetalus* Hall, 1852a, p. 199, Pl. 45, figs. 1a-1h. Emmons, 1860, p. 63, Fig. 42. Bronn, 1860, Pl. 27, figs. 6A-6D. Dujardin and Hupé, 1862, p. 132. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Quenstedt, 1876, p. 516, Pl. 108, fig. 26. Miller, S. A., 1889, p. 257, Fig. 348. Lesley, 1889, p. 165, Fig. 5-5b. Grabau, 1901a, p. 160, Fig. 55. Grabau, 1901b, p. 160, Fig. 55. Springer, 1906, Pl. 6, figs. 13-14. Grabau and Shimer, 1910, p. 564, Figs. 1901-1902. Bassler, 1915, p. 692. Springer, 1920a, p. 129, Pl. 3, figs. 1-18. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 533. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 7. Moore and Laudon, 1944, p. 181, Pl. 68, fig. 15. Bowsher, 1953, p. 2, Fig. 1, nos. f-g. Bolton, T. E., 1966, p. 26, Pl. 10, fig. 6. Webster, 1973, p. 163. Webster, 1977, p. 104. Moore in Moore and Teichert, 1978, p. T777, Fig. 518, nos. 1a-1c. Webster, 1986, p. 187.

*Lecanocrinus puteolus* Ringueberg, 1886, p. 11, Pl. 1, fig. 8. Miller, S. A., 1889, p. 257. Bassler and Moodey, 1943, p. 533.

*Cyathocrinus?* sp. Hall, 1843a, Pl. 21, figs. 5a-5b; Figs. 5a-5b. Bassler, 1915, p. 693.

Silurian, Niagaran, Rochester Shale, Louisville Limestone; Waldron Shale. United States, New York, Kentucky; Canada, Ontario

*Lecanocrinus macropetalus* Angelin, 1878 = *Anisocrinus angelini*

*Lecanocrinus (Lecanocrinus) magniradialis* (Weller, 1903). Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Ichthyocrinus magniradialis* Weller, S., 1903, p. 299, Pl. 33, fig. 5. Bassler and Moodey, 1943, p. 533. Bowsher, 1953, p. 7. Webster, 1973, p. 176. Webster, 1988, p. 112.

*Lecanocrinus magniradialis* (Weller, 1903). Springer, 1920a, p. 143, Pl. 3, figs. 26a-26c. Bassler and Moodey, 1943, p. 533.

*Miracrinus magniradialis* (Weller, 1903). Webster, 1973, p. 176. McIntosh, 1981b, p. 963. Webster, 1988, p. 112.

*Lecanocrinus (Miracrinus) magniradialis* (Weller, 1903). Bowsher, 1953, p. 7. Webster, 1973, p. 177. Webster, 1988, p. 112.



Devonian, Lochkovian, New Scotland Limestone. United States, New Jersey

*Lecanocrinus (Lecanocrinus) meniscus* Springer, 1920. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus meniscus* Bassler, 1915, p. 693 (Attributes name to Springer, in press). Springer, 1920a, p. 140, Pl. 1, figs. 37a-37c. Springer, 1926a, p. 65, Pl. 20, figs. 15-15b. Bassler and Moodey, 1943, p. 533. Clement and Broadhead, 1994, p. 47.

Silurian - Devonian, Niagaran - Lochkovian, Beech River Formation; Ross Formation, Rockhouse Member. United States, Tennessee

*Lecanocrinus (Lecanocrinus) pusillus* (Hall, 1863). Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Cyathocrinus pusillus* Hall, 1863a, p. 6. Hall, 1864b, p. 200. Hall, 1864c, p. 324. Hall,

1867b, p. 324. Shumard, 1868, p. 363. Bigsby, 1868, p. 19. Hall, 1870, p. 366. Miller, S. A., 1889, p. 236. Bassler, 1915, p. 693. Bassler and Moodey, 1943, p. 534.

*Lecanocrinus pusillus* (Hall, 1863). Hall, 1879a, p. 136, Pl. 15, figs. 1-6. Hall, 1882b, p. 267, Pls. 14, figs. 1-6; 15, fig. 7. Bassler, 1915, p. 693. Springer, 1920a, p. 131, Pl. 1, figs. 1-13. Springer, 1926a, p. 65, Pl. 20, figs. 1-5. Bassler and Moodey, 1943, p. 534. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 1. Wilson, C. W., 1948, p. 158, Pl. 25, figs. 18-20. Wilson, C. W., 1949, p. 251, Pl. 25, figs. 18-20. Webster, 1973, p. 163.

*Lecanocrinus tennesseeensis* Miller, S. A., 1891, p. 41 (adv. pub.) Miller, S. A., 1892a, p. 680. Miller, S. A., 1892b, p. 651, Pl. 7, figs. 7-8. Bassler, 1915, p. 693. Bassler and Moodey, 1943, p. 534.

Silurian, Niagaran, Waldron Shale, Racine Dolomite. United States, Indiana, Tennessee, Wisconsin

*Lecanocrinus (Lecanocrinus) solidus* Ringueberg, 1886. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus solidus* Ringueberg, 1886, p. 8, Pl. 1, fig. 4. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 693. Springer, 1920a, p. 130, Pl. 3, fig. 19. Bassler and Moodey, 1943, p. 534.

Silurian, Niagaran, Rochester Shale. United States, New York

*Lecanocrinus (Lecanocrinus) soyei* Oehlert, 1882. Frest and Strimple, 1978c, p. 524. Webster, 1986, p. 187.

*Lecanocrinus soyei* Oehlert, 1882, p. 354, Pl. 8, fig. 2. Springer, 1920a, p. 142, Pl. 3, figs. 27-29. Bassler and Moodey, 1943, p. 534. McIntosh, 1981b, p. 962. Le Menn, 1985, p. 104, Pls. 21, figs. 12-15; 22, figs. 1-7; Fig. 3, no. 1; 43; 83, no. A. Webster, 1988, p. 104. Prokop and Petr, 1993a, p. 4, Pls. 2, figs. 1-5; 3, figs. 1-16; 4, figs. 1-17.

Devonian, Lochkovian - Pragian, Saint-Cenere Formation. France, Armorican Massif

Devonian, Pragian, Praha Formation. Czech Republic, Bohemia

- Lecanocrinus lindenensis* Strimple, 1952 = *Lecanocrinus (Lecanocrinus) lindenensis*
- Lecanocrinus lindstroemi* Springer, 1920 = *Lecanocrinus (L.) lindstroemi*
- Lecanocrinus macropetalus* Hall, 1852 = \**Lecanocrinus (Lecanocrinus) macropetalus*
- Lecanocrinus macropetalus* Hall, 1852 = \**Paranisocrinus irregularis*
- Lecanocrinus macropetalus* Angelin, 1878 (*non* Hall, 1852) = *Anisocrinus angelini* =  
*Paranisocrinus irregularis*
- Lecanocrinus magniradialis* (Weller, 1905) = *Lecanocrinus (Lecanocrinus) magniradialis*
- Lecanocrinus (Miracrinus) magniradialis* (Weller, 1905) = *Miracrinus magniradialis* =  
*Lecanocrinus (L.) magniradialis*
- Lecanocrinus meniscus* Springer, 1920 = *Lecanocrinus (L.) meniscus*
- LECANOCRINUS (MIRACRINUS)* Bowsher, 1953 = *MIRACRINUS*
- Lecanocrinus (Miracrinus) perdewi* Bowsher, 1953 = *Miracrinus perdewi*
- Lecanocrinus nitidus* Ringueberg, 1896 = *Asaphocrinus ornatus*
- Lecanocrinus ornatus* Hall, 1852 = *Asaphocrinus ornatus*
- Lecanocrinus oswegoensis* Miller and Gurley, 1894 = *Anisocrinus oswegoensis* =  
*Proanisocrinus oswegoensis*
- Lecanocrinus papilloseous* Strimple, 1954 = *Nummicrinus papilloseous*
- Lecanocrinus pisiformis* (Roemer, 1860) = *Nummicrinus pisiformis*
- Lecanocrinus pusillus* (Hall, 1863) = *Lecanocrinus (Lecanocrinus) pusillus*
- Lecanocrinus cf. pusillus* (Hall, 1863). Clement and Broadhead, 1994, p. 47.  
Silurian - Devonian, Pridolian - Lochkovian, Decatur Limestone, Ross Formation,  
lower part of Rockhouse Member. United States, Tennessee
- Lecanocrinus pusillus* Winchell and Marcy, 1865 = *Lecanocrinus waukoma* =  
*Nummicrinus waukoma*
- Lecanocrinus puteolus* Ringueberg, 1886 = *Lecanocrinus macropetalus*
- Lecanocrinus roemeri* Schultze, 1866 = *Geroldicrinus roemeri*
- Lecanocrinus simplex* Hall, 1852 = *Ichthyocrinus laevis*

*Lecanocrinus solidus* Ringueberg, 1886 = *Lecanocrinus (Lecanocrinus) solidus*

*Lecanocrinus soyei* Oehlert, 1882 = *Lecanocrinus (L.) soyei*

*Lecanocrinus tennesseensis* Miller, 1891 = *Lecanocrinus pusillus*

*Lecanocrinus waukoma* (Hall, 1865) = *Nummicrinus waukoma*

*Lecanocrinus waukoma* Weller, 1900 (part) = *Pycnosaccus calyculus*

*Lecanocrinus* sp. A Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation lower part of Rockhouse Member. United States, Tennessee

*Lecanocrinus* spp.

Lane and Breimer, 1974, p. 36, Fig. 1, no. 1. Moore *in* Moore and Teichert, 1978, p. T777, Fig. 517, no. 1. Webster, 1986, p. 188.

No age or locality given

Prokop and Petr, 1993a, p. 5, Pl. 5, fig. 1.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

Hotchkiss, Prokop, and Petr, 1999, p. 330, Fig. 2, no. 11.

Early Devonian, Trebotov Limestone. Czech Republic

**LECOBASICRINUS** Strimple and Watkins, 1969. \**L. kickapooensis* Strimple and Watkins, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Aesiocrinidae

Strimple and Watkins, 1969, p. 191. Strimple and Moore, 1971a, p. 27. Webster, 1977, p. 104. Moore and Strimple *in* Moore and Teichert, 1978, p. T741. Webster, 1986, p. 188.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Texas

*Lecobasicrinus convexus* (Strimple, 1940) = *Ampelocrinus convexus*

\**Lecobasicrinus kickapooensis* Strimple and Watkins, 1969, p. 191, Pls. 31, figs. 5-6; 53, fig. 4. Webster, 1977, p. 104. Moore and Strimple *in* Moore and Teichert, 1978, p. T741, Fig. 490, no. 1. Webster, 1986, p. 188.

Pennsylvanian, Desmoinesian, shale below Kickapoo Limestone; Brannon Bridge Member. United States, Texas

*Lecobasicrinus paucus* (Strimple, 1951) = *Halogetocrinus paucus*

*Lecobasicrinus subidus* Strimple and Watkins, 1969 = *Halogetocrinus subidus*

**LECOCRINUS** McIntosh, 1981. \**Pycnosaccus welleri* Springer, 1920.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Nipterocrinidae

McIntosh, 1981c, p. 1106. Webster, 1988, p. 104.

Named, currently recognized species based on cups or crowns: 4 species. 2

Silurian, Niagaran; 1 Devonian, Frasnian; 1 Mississippian, Viséan  
Middle Silurian, Niagaran; Mississippian, Viséan (Osagean). United States  
Late Devonian, Frasnian. Russia

*Lecocrinus laurelianus* (Springer, 1926). McIntosh, 1981c, p. 1106. Webster, 1988, p. 104.

*Pycnosaccus laurelianus* Springer, 1926a, p. 67, Pl. 21, figs. 8-8a. Bassler and Moodey, 1943, p. 658. Webster, 1988, p. 104.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Lecocrinus semilukensis* (Yakovlev, 1956). McIntosh, 1981c, p. 1106. Webster, 1988, p. 104.

*Pycnosaccus semilukensis* Yakovlev, 1956b, p. 92, Pl. 1, figs. 4-5. Arendt and Hecker, 1964, p. 94, Pl. 14, fig. 4. Webster, 1973, p. 228. Webster, 1988, p. 104.  
Devonian, Frasnian. Russia, Voronezh Region

*Lecocrinus? springeri* Kammer, 1984, p. 126, Fig. 4, nos. A-H. Webster, 1988, p. 105.  
Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky

\**Lecocrinus welleri* (Springer, 1920). McIntosh, 1981c, p. 1106. Webster, 1988, p. 105.

*Pycnosaccus welleri* Springer, 1920a, p. 188, Pl. 13, figs. 3a-5b. Springer, 1926a, p. 67, Pl. 21, figs. 5-7. Bassler and Moodey, 1943, p. 659. Webster, 1988, p. 105.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

**LECYTHIOCRINUS** White, 1880. \**L. olliculaeformis* White, 1880.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinoidea, F. Codiocrinidae

White, C. A., 1879 (adv. pub.). White, C. A., 1880a, p. 256. White, C. A., 1880b, p. 123. Wachsmuth and Springer, 1886, p. 191 (115). Miller, S. A., 1889, p. 257.

Wachsmuth *in* Zittel, 1900, p. 158. Springer *in* Zittel, 1913, p. 221. Kirk, 1934, p. 4. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 534. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 154. Ubaghs, 1953, p. 751. Moore, 1962b, p. 8, Fig. 1, no. 3. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b,

p.

11, Fig. 4. Arendt, 1970a, p. 117. Moore and Strimple, 1973, p. 42. Strimple and Cocke, 1973, p. 157. Webster, 1973, p. 163. Pabian and Strimple, 1974b, p. 18. Webster, 1977, p. 104. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1986, p. 188. Webster, 1988, p. 105. Pabian and Strimple, 1993, p. 40. Webster, 1993, p. 75.

**MENOCRINUS** Miller, S. A., 1889, p. 262. Miller, S. A., 1892a, p. 680. Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 534. Lane and Moore *in* Moore and Teichert, 1978, p. T599.

Named, currently recognized species based on cups or crowns: 9 Pennsylvanian, species, 1 Morrowan, 1 Atokan, 2 Desmoinesian, 1 Desmoinesian - Missourian, 2 Missourian, 2 Missourian - Virgilian  
 Pennsylvanian, Morrowan - Virgilian. United States  
 Early Permian, Artinskian. Bolivia

*Lecythiocrinus adamsi* Worthen, 1882, p. 37. Worthen, 1883, p. 317, Pl. 30, fig. 8. Miller, S. A., 1889, p. 257. Weller, S., 1898c, p. 316. Strimple, 1939a, p. 379, Pl. 3, figs. 8-10. Bassler and Moodey, 1943, p. 534. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 2. Moore and Laudon, 1944, p. 154, Pl. 53, fig. 20. Arendt, 1970a, p. 117. Webster, 1973, p. 163. Webster, 1977, p. 104.

*Menocrinus adamsi* (Worthen, 1882). Miller, S. A., 1889, p. 262.  
 Pennsylvanian, Desmoinesian, Dewey Limestone. United States, Illinois, Oklahoma

*Lecythiocrinus* sp. cf. *L. adamsi* Worthen, 1882. Pabian and Strimple, 1993, p. 40, Fig. 17, nos. a-b.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

*Lecythiocrinus asymmetricus* Moore and Strimple, 1973, p. 42, Pl. 4, figs. 1a-1c. Webster, 1977, p. 104.

Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

*Lecythiocrinus fusiformis* Strimple, 1949d, p. 20, Pl. 3, figs. 11, 13-14. Webster, 1973, p. 163.

Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma

*Lecythiocrinus graybilli* Strimple and Cocke, 1973, p. 157, Pl. 21, figs. 9-12. Webster, 1977, p. 105.

Pennsylvanian, Missourian, Winterset Limestone. United States, Oklahoma

\**Lecythiocrinus olliculaeformis* White, C. A., 1879 (adv. pub.). White, C. A., 1880a, p. 257, Pl. 1, figs. 4-5. White, C. A., 1880b, p. 124, Pl. 33, fig. 8a. White, C. A., 1883a, p. 124, Pl. 35, figs. 2a-2b. Keyes, 1894a, p. 208, Pl. 25, fig. 13. Weller, S., 1898c, p. 316. Strimple, 1939a, p. 378, Pl. 3, figs. 5-7. Bassler and Moodey, 1943, p. 535. Moore and Laudon, 1944, p. 154, Pl. 53, fig. 21. Arendt, 1970a, p. 117. Webster, 1973, p. 163. Pabian and Strimple, 1974b, p. 19, Fig. 6, nos. 12-13. Webster, 1977, p. 105. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Figs. 384, no. 8; 385, no. 9. Webster, 1986, p. 188.

*Lecythiocrinus olliculiformis* White, 1879. Miller, S. A., 1889, p. 257. Bassler, 1938, p. 122.

*Lecythiocrinus ollicuaeformis* White, 1879. Pabian and Strimple, 1993, p. 40, Fig. 17, nos. c-d.

*Menocrinus olliculiformis* (White, 1879). Miller, S. A., 1889, p. 262.

Pennsylvanian, Missourian, Virgilian, Dewey Limestone; Oread Limestone; Plattsburg Formation, Spring Hill Limestone; South Bend Limestone. United States, Kansas, Oklahoma

- Lecythiocrinus* cf. *L. olliculaeformis* White, 1880. Branisa, 1965, Pl. 54, fig. 19.  
Webster, 1977, p. 105 (probably a *Hypocrinus* cf. *H. schneideri* Beyrich, 1862, GDW).  
Permian, Artinskian, Copacabana Group. Bolivia
- Lecythiocrinus ollicuaeformis* White, C. A., 1879 = *Lecythiocrinus olliculaeformis*
- Lecythiocrinus olliculiformis* White, 1879 = \**Lecythiocrinus olliculaeformis*
- Lecythiocrinus optimus* Strimple, 1951d, p. 194, Figs. 6-8; 1962e, p. 48. Arendt, 1970a, p. 117. Webster, 1973, p. 163. Webster, 1977, p. 105.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Lecythiocrinus* sp. cf. *L. optimus* Strimple, 1951. Strimple, 1980b, p. 7, Pl. 1, fig. 8.  
Webster, 1986, p. 188.  
Pennsylvanian, Desmoinesian, Gobbler Formation. United States, New Mexico
- Lecythiocrinus?* *problematicus* Springer, 1926 = *Prolecythiocrinus problematicus* = *Thyridocrinus problematicus*
- Lecythiocrinus sacculus* Bowsher and Strimple, 1986, p. 13, Figs. 38, nos. a-h; 57, nos. a-h. Webster, 1993, p. 75. Webster and Kues, 2006, p. 9, Figs. 4.5-4.8, 4.33-4.36.  
Pennsylvanian, late Desmoinesian – Missourian, Gobbler Formation, Bug Scuffle Member; Wild Cow Formation, Sol se Mete Member. United States, New Mexico
- Lecythiocrinus tubiformis* Strimple, 1951b, p. 376, Pl. 56, figs. 15-16. Arendt, 1970a, p. 117. Webster, 1973, p. 163. Webster, 1977, p. 105.  
Pennsylvanian, Missourian, Raytown Limestone. United States, Kansas
- Lecythiocrinus urnaeformis* Strimple, 1939a, p. 379, Pl. 3, figs. 11-13. Bassler and Moodey, 1943, p. 535. Arendt, 1970a, p. 117. Webster, 1977, p. 105. Pabian and Strimple, 1993, p. 42, Fig. 18, nos. h-l.  
Pennsylvanian, Missourian, ?Virgilian, Stanton Limestone; South Bend Limestone. United States, Kansas
- Lecythiocrinus* sp. Arendt, 1970a, p. 118, Pl. 2, fig. 5; Fig. 21. Webster, 1977, p. 105.  
Late Pennsylvanian. United States
- ?*Lecythiocrinus* sp. Lane and Sevastopulo, 1982a, p. 111, Pls. 2, figs. 9-17; 3, fig. 9.  
Webster, 1988, p. 105.  
Pennsylvanian, Desmoinesian, Perth Limestone. United States, Indiana
- Lecythiocrinoid* Hou, *et al.*, 1994, p. 7, Pl. 1, figs. 3-4.  
Devonian, Famennian, Hongguleleng Formation. China, Xinjiang
- LECYTHOCRINUS** Müller, 1858. \**L. eifelianus* Müller, 1858.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
 Müller, J., 1859, p. 196. Zittel, 1880, p. 343, 354. Wachsmuth and Springer, 1880  
 (1879), p. 62 (255). Zittel, 1895, p. 135. Koken, 1896, p. 281. Bather *in*  
 Lankester, 1900, p. 175. Wachsmuth *in* Zittel, 1900, p. 156. Springer *in* Zittel,  
 1913, p. 221. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 535. Moore  
 and Laudon, 1943b, p. 51. Ubaghs, 1953, p. 750. Webster, 1973, p. 163. Lane  
 and Moore *in* Moore and Teichert, 1978, p. T585. Webster, 1986, p. 188.  
 Webster, 1988, p. 105. Bohatý, 2006a, p. 407.

*LECYTHOCRINUS* Mueller, 1858. Hauser, 1997, p. 27, Fig. 8.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
 Givetian species  
 Devonian, Givetian. Germany

*Lecythocrinus briareus* (Schultze, 1866) = *Lecythocrinus eifelianus* Mueller, 1858

\**Lecythocrinus eifelianus* Müller, J., 1859, p. 196. Zittel, 1880, p. 332, 354, Figs. 226  
 (sic), 241. Wachsmuth *in* Zittel, 1900, p. 127, 156, Figs. 225; 261. Zittel, 1895,  
 p. 118, 135, Figs. 225, 261. Springer, 1913, p. 177, Fig. 273. Bassler, 1938, p.  
 122. Wanner, 1942a, p. 26, Fig. 1. Bassler and Moodey, 1943, p. 535.  
 Webster, 1973, p. 163. Lane and Moore *in* Moore and Teichert, 1978, p. T585,  
 Fig. 375, no. 7. Kowalski, 1985, p. 401, Fig. 40. Webster, 1986, p. 189. Webster,  
 1988, p. 105. Bohatý, 2004a, p. 408, Fig. 3.

*Lecythocrinus eifelianus* (Mueller, 1858). Hauser, 1997, p. 27, Pls. 56, fig. 3; 57, fig.  
 7; Fig. 7.

*Taxocrinus briareus* Schultze, 1866, p. 36 (adv. pub.). Schultze, 1867, p. 148, Pl. 4,  
 fig. 1. Bassler and Moodey, 1943, p. 535.

*Lecythocrinus briareus* (Schultze, 1866). Springer, 1920a, p. 383. Bassler and  
 Moodey, 1943, p. 535.

*Lecythocrinus briareus* (Schultze, 1966). Hauser, 1997, p. 27.

Devonian, early Givetian, probably Lough Formation. Germany

*Lecythocrinus* aff. *eifelianus* Mueller, 1858.

*Lecythocrinus* aff. *eifelianus* (Mueller, 1858). Hauser, 1997, Pls. 56, figs. 4-5; 57, figs.  
 1-3; 71, fig. 6.

Devonian, Givetian, Lough Formation. Germany

*Lecythocrinus* sp.

*Lecythocrinus*, Crinoide sp. indet. aff. Hauser, 1997, Pl. 71, fig. 7.

Devonian, Givetian, Lough Formation. Germany

?*Lecythocrinus* sp

?*Lecythocrinus* sp. Hauser, 1997, Pls. 56, figs. 6-7; 57, figs. 5-6.

Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany;

*LECYTHOCRINUS* Mueller, 1858 = ***LECYTHOCRINUS***

*Lecythocrinus briareus* (Schultze, 1966) = *Lecythocrinus eifelianus*

*Lecyocrinus eifelianus* (Mueller, 1858) = *Lecythocrinus eifelianus*

*Lecyocrinus aff. eifelianus* (Mueller, 1858) = *Lecythocrinus aff. eifelianus*

*Lecyocrinus* sp. Hauser, 1997 = ?*Lecythocrinus* sp. = *Taxocrinus* sp.

?*Lecyocrinus* sp. Hauser, 1997 = ?*Lecythocrinus* sp.

aff. *Lecyocrinus* Hauser, 1997 = *Taxocrinus* sp.

*Legarocrinus tenuis* (Jaekel, 1900) = *Cicerocrinus elegans*

**LEIOCRINUS** Springer, 1902 (*non* d'Orbigny) = **HOMALOCRINUS**

**LEKOBIKOCRINUS** Webster and Kues, 2006. \**Paragassizocrinus calyculoides* Lane, 1964.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Agassizocrinidae

Webster and Kues, 2006, p. 10.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Morrowan species

Pennsylvanian, Morrowan. United States, Nevada

\**Lekobikocrinus calyculoides* (Lane, 1964). Webster and Kues, 2006, p. 10.

Pennsylvanian, Morrowan, Bird Spring Formation. United States, Nevada

**LEKOOCRINUS** Kammer and Ausich, 1994. \**Scaphiocrinus divaricatus* Hall, 1859, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinitidae

Kammer and Ausich, 1994, p. 348.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Viséan species

Mississippian, Viséan (Osagean - early Meramecian). United States, Illinois, Iowa

\**Lekocrinus divaricatus* (Hall, 1859). Kammer and Ausich, 1994, p. 349, Fig. 3.8.

*Poteriocrinus (Scaphiocrinus) divaricatus* Hall, 1859a, p. 65, Pls. 1, fig. 10; 3, fig. 6. Bassler and Moodey, 1943, p. 580.

*Poteriocrinus divaricatus* Hall, 1859. Miller, S. A., 1889, p. 274.

*Pachyocrinus divaricatus* (Hall, 1859). Bassler and Moodey, 1943, p. 580.

Kammer and Ausich, 1994, p. 349.

*Scaphiocrinus divaricatus* (Hall, 1859). Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 543. Kammer and Ausich, 1994, p. 349.

Mississippian, Viséan (early Meramecian), upper part of Warsaw Formation. United States, Illinois



*Lekocrinus planobrachiatus* (Meek and Worthen, 1860). Kammer and Ausich, 1994, p. 349, Figs. 3.9-3.12. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 1, no. 9.  
*Zeacrinus planobrachiatus* Meek and Worthen, 1860, p. 391. Meek and Worthen, 1866a, p. 240, Pl. 18, fig. 5. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 728. Kammer and Ausich, 1994, p. 349.  
*Woodocrinus planobrachiatus* (Meek and Worthen, 1860). Weller, S., 1898c, p. 641. Kammer and Ausich, 1994, p. 349.  
*Zeacrinites planobrachiatus* (Meek and Worthen, 1860). Bassler and Moodey, 1943, p. 728. Kammer and Ausich, 1994, p. 349.  
 Mississippian, Viséan (Osagean), Keokuk Limestone; lower part of Warsaw Formation; Muldraugh Member, Borden Formation. United States, Illinois, Iowa, Kentucky

**LEMENNOCRINUS** Pidal, 1984. \**L. truyosi* Pidal, 1984.

Sbc. Camerta, O. Diplobathrida, Sbo. Eudiplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Pidal, 1984, p. 144. Webster, 1988, p. 105.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, late Eifelian. Spain

\**Lemennocrinus truyosi* Pidal, 1984, p. 144, Figs. 5, 6. Webster, 1988, p. 105.

Devonian, late Eifelian, Portilla Formation. Spain

**LENNEOCRINUS** Schmidt, 1909. \**L. cirratus* Jaekel, 1918.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Schmidt, H., 1909, p. 46. Jaekel, 1918, p. 35. Abel, 1924, p. 276. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p. 535. Breimer, 1962a, p. 30. Webster, 1973, p. 163. Ubaghs *in* Moore and Teichert, 1978, p. T446. Webster, 1986, p. 189.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Emsian, Givetian, 1 Frasnian

Devonian, Emsian – Givetian. Germany

Devonian, Frasnian. Spain

\**Lenneocrinus cirratus* Jaekel, 1918, p. 35, Fig. 25. Abel, 1920, p. 251, Fig. 384. Abel,

1924, p. 264, Fig. 384. Bassler, 1938, p. 122. Bassler and Moodey, 1943, p.

535. Breimer, 1962a, p. 30. Webster, 1973, p. 163. Ubaghs *in* Moore and

Teichert, 1978, p. T446, Fig. 254, no. 1. Webster, 1986, p. 189.

Devonian, Emsian, Givetian. Germany

*Lenneocrinus ventanillensis* Breimer, 1962a, p. 30, Pls. 2, figs. 1-2; 3, figs. 11, 13.

Webster, 1973, p. 164.

Devonian, Frasnian. Spain

**LEPTOCRINUS** Angelin, 1878 = **CARPOCRINUS**

*Leptocrinus raridigitatus* Angelin, 1878 = *Carpocrinus raridigitatus*

**LEVICYATHOCRINITES** Frest, 1977. \**Cyathocrinus acinotubus* Angelin, 1878.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae  
Webster and Maples, 2006, p. 205. Webster and Maples, 2008, p. 412. Ausich and  
Copper, 2010, p. 49.

*Cyathocrinites (Levicyathocrinites)* Frest, 1977, p. 120. Webster, 1986, p. 113.

Named, currently recognized species based on cups or crowns: 9 Silurian species, 1  
Llandoveryan, 7 Wenlockian, 1 Niagaran

Silurian, Wenlockian. Europe

Silurian, Niagaran. North America

\**Levicyathocrinites acinotubus* (Angelin, 1878). Webster and Maples, 2008, p. 412.

*Cyathocrinus acinotubus* Angelin, 1878, p. 23, Pl. 20, fig. 5. Bassler and Moodey,  
1943, p. 388. Sieverts-Doreck, 1952, p. 422, Fig. 3. Sieverts-Doreck, 1964, p. 7,  
Fig. 1. Frest, 1977, p. 120. Webster, 1986, p. 113.

*Cyathocrinites acinotubus* (Angelin, 1878). Bassler and Moodey, 1943, p. 388.

Ubaghs, 1953, p. 750. Webster, 1973, p. 95. Smith, A. B., 1985, p. 172, Pl.  
7.4.40. Webster, 1988, p. 64.

*Cyathocrinus alutaceus* Angelin, 1878, p. 23, Pl. 4, figs. 6-6a (*non* Pl. 23, figs. 10-  
11). Wachsmuth and Springer, 1897, Pl. 3, figs. 6-7. Bassler and Moodey,  
1943,  
p. 388.

*Cyathocrinus mimus* Salter, Ms *in* Bather, 1892d, p. 215, Pl. 13, figs. 3-5. Bassler  
and Moodey, 1943, p. 388.

*Cyathocrinus monile* Salter, 1873, p. 123 (*nomen nudum*). Bassler and Moodey,  
1943, p. 388.

*Cyathocrinites monile* Salter, 1873. Donovan et al., 2008a, p. 41, Fig. 7, no. D.

Donovan et al., 2008b, p. 336, Fig. 15.2, no. 8. Donovan et al., 2010, p. 52, Pl. 9,  
figs. 1-6; Figs. 19-20.

*Cyathocrinus* (sp. 6) *monile* Salter, 1873, p. 124.

*Cyathocrinus nodulosus* Salter, 1873, p. 124. Salter, Ms *in* Bather, 1892d, p. 214,  
Pl. 13, fig. 1. Bassler and Moodey, 1943, p. 388.

*Cyathocrinites (\*Levicyathocrinites) acinotubus* (Angelin, 1878). Frest, 1977, p. 120.

Ubaghs *in* Moore and Teichert, 1978, p. T171, Figs. 144, no. 4; 160, nos. 9-11.  
Webster, 1986, p. 113.

Silurian, Wenlockian, Much Wenlock Limestone Formation. Sweden, Isle of  
Gotland;

United Kingdom, Worcestershire

*Levicyathocrinites diana*e (Bather, 1893).

*Cyathocrinus diana*e Bather, 1893a, p. 137, Pl. 7, figs. 222-223. Bassler and  
Moodey, 1943, p. 90. Frest, 1977, p. 120. Webster, 1986, p. 113.

*Cyathocrinites diana*e (Bather, 1893). Bassler and Moodey, 1943, p. 90.

*Cyathocrinites (Levicyathocrinites) diana*e (Bather, 1893). Frest, 1977, p. 120.  
Webster, 1986, p. 113.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Levicyathocrinites distensus* (Angelin, 1878).

*Cyathocrinus distensus* Angelin, 1878, p. 23, Pl. 3, figs. 6-6a. Bather, 1893a, p. 141, Pl. 7, figs. 230-235. Bassler and Moodey, 1943, p. 390. Frest, 1977, p. 120. Webster, 1986, p. 113.

*Cyathocrinites distensus* (Angelin, 1878). Bassler and Moodey, 1943, p. 390.

*Cyathocrinites (Levicyathocrinites) distensus* (Angelin, 1878). Frest, 1977, p. 120. Webster, 1986, p. 113.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Levicyathocrinites glaber* (Angelin, 1878).

*Cyathocrinus glaber* Angelin, 1878, p. 23, Pl. 23, figs. 12-13. Bather, 1893a, p. 138, Pl. 7, figs. 224-226. Bassler and Moodey, 1943, p. 391. Frest, 1977, p. 120. Webster, 1986, p. 113.

*Cyathocrinites glaber* (Angelin, 1878). Bassler and Moodey, 1943, p. 391.

*Cyathocrinites (Levicyathocrinites) glaber* (Angelin, 1878). Frest, 1977, p. 120. Webster, 1986, p. 113.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Levicyathocrinites monilifer* (Angelin, 1878).

*Cyathocrinus monilifer* Angelin, 1878, p. 23, Pl. 21, figs. 15-15a. Bassler and Moodey, 1943, p. 893. Frest, 1977, p. 120. Webster, 1986, p. 113.

*Cyathocrinites monilifer* (Angelin, 1878). Bassler and Moodey, 1943, p. 893.

*Cyathocrinus laevis* Angelin, 1878, p. 23, Pl. 26, figs. 3-3b (*non* figs. 2-2a). Wachsmuth and Springer, 1897, Pl. 3, fig. 8. Bassler and Moodey, 1943, p. 893.

*Cyathocrinus visbycensis* Bather, 1893a, p. 130, Pl. 7, figs. 199-206; Fig. 19. Bassler and Moodey, 1943, p. 893.

*Cyathocrinus visbycensis* var. *monilifer* Bather, 1892d, p. 223. Bather, 1893a, p. 147. Bassler and Moodey, 1943, p. 893.

*Cyathocrinites (Levicyathocrinites) monilifer* (Angelin, 1878). Frest, 1977, p. 120. Webster, 1986, p. 113.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Levicyathocrinites muticus* (Angelin, 1878).

*Cyathocrinus muticus* Angelin, 1878, p. 23, Pl. 21, figs. 22-23. Bather, 1893a, p. 140, Pl. 7, figs. 227-229. Frest, 1977, p. 120. Webster, 1986, p. 114.

*Cyathocrinites muticus* (Angelin, 1878). Bassler and Moodey, 1943, p. 893.

*Cyathocrinites (Levicyathocrinites) muticus* (Angelin, 1878). Frest, 1977, p. 120. Webster, 19876, p. 114.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Levicyathocrinus sablensis* Ausich and Copper, 2010, p. 49, Pl. 9, fig. 1

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

*Levicyathocrinites tennesseae* (Troost in Wood, 1909). Ausich, 2009a, p.

486, suppl. p. 29.

*Cyathocrinites tennesseae* Troost in Wood, 1909. Troost, 1850a, p. 16. Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 389. Ausich, 2009a, suppl. p. 29.

*Cyathocrinus tennesseae* (Troost, 1850). Miller, S. A., 1889, p. 237.

*Cyathocrinites (Levicyathocrinites) brittsi* (Miller and Gurley, 1895). Frest, 1977, p. 120. Webster, 1986, p. 113. Ausich, 2009a, suppl. p. 29.

*Cyathocrinus brittsi* Miller and Gurley, 1895b, p. 70, Pl. 4, figs. 35-36. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 199. Wood, E., 1909, p. 81, Pl. 15, figs. 2-3. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 389. Frest, 1977, p. 120. Webster, 1986, p. 113. Kammer and Gahn, 2003a, p. 128 (*nomen dubium*). Ausich, 2009a, suppl. p. 29. Ausich, 2009a, suppl. p. 29.

*Cyathocrinites brittsi* (Miller and Gurley, 1895). Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 389.

**Note.** Ausich, 2009a, considers that these taxa need study, with which I fully agree, GDW, 2009.

Silurian, Niagaran, Beech River Formation. United States, Tennessee  
Mississippian, Osagean, lower part of Burlington Limestone. United States,  
Missouri

*Levicyathocrinites vallatus* (Bather, 1892).

*Cyathocrinus vallatus* Bather, 1892d, p. 221, Pl. 13, figs. 14-18. Bassler and Moodey, 1943, p. 396. Frest, 1977, p. 120. Webster, 1986, p. 114.

*Cyathocrinites vallatus* (Bather, 1892). Bassler and Moodey, 1943, p. 396. Donovan et al., 2010, p. 54, Fig. 21, nos. A-B.

*Cyathocrinites (Levicyathocrinites) vallatus* (Bather, 1892). Frest, 1977, p. 120. Webster, 1986, p. 114.

Silurian, Wenlockian, upper part of Much Wenlock Limestone Formation. United Kingdom, Worcestershire

**LIBRATOCRINUS** Knapp, 1969 = **ERISOCRINUS**

*Libratocrinus mediator* (Strimple, 1962) = *Erisocrinus mediator* = *E. typus*

*Libratocrinus? terminalis* (Strimple, 1962) = *Erisocrinus terminalis*

**LICHENOCRINUS** Westphal, 1974b = **CARABOCRINUS**

*Lichenocrinus crateriformis* Hall, 18 = *Carabocrinus crateriformis*

*Linchenocrinus* sp. Howell, 1995 = *Carabocrinus* sp.

**LINDSTROEMIOCRINUS** Jaekel, 1918 = **CTENOCRINUS**

*Lindstroemiocrinus gotlandicus* (Pander, 1858) = *Melocrinites gotlandicus* = *Ctenocrinus gottlandicus*

**LINOBRACHIOCRINUS** Goldring, 1939. \**Linocrinus kindlei* Goldring, 1938.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
 Goldring, 1939a, p. 354. Bassler and Moodey, 1943, p. 538. Moore and Laudon,  
 1943b, p. 59. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p.  
 6. Webster, 1973, p. 164. Webster, 1977, p. 105. Moore and Strimple *in* Moore  
 and Teichert, 1978, p. T645. Arendt, 1981, p. 5. Webster, 1986, p. 189.

Webster,

1988, p. 105.

*LINOOCRINUS* Goldring, 1938b (*non* Kirk, 1938), p. 19. \**L. kindlei* Goldring, 1938.  
 Bassler and Moodey, 1943, p. 538.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
 Frasnian species

Devonian, Frasnian. Canada, Northwest Territories

\**Linobrachiocrinus kindlei* (Goldring, 1938). Goldring, 1939a, p. 354. Bassler and  
 Moodey, 1943, p. 538. Moore and Strimple *in* Moore and Teichert, 1978, p.  
 T748. Arendt, 1981, p. 5, Fig. 1, no. a. Webster, 1986, p. 189. Webster, 1988, p.  
 105.

*Linocrinus kindlei* Goldring, 1938b, p. 21, Pl. 2, figs. 5-6. Bassler and Moodey,  
 1943, p. 538.

Devonian, Frasnian. Canada, Northwest Territories

**LINOOCRINUS** Kirk, 1938. \**L. wachsmuthi* Kirk, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F.  
 Zeacrinitidae

Kirk, 1938, p. 168. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 538. Moore  
 and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 167. Arendt and Hecker,  
 1964, p. 89. Webster, 1973, p. 164. Webster, 1977, p. 105. Moore, Lane, and  
 Strimple *in* Moore and Teichert, 1978, p. T748. Burdick and Strimple, 1983a, p.  
 162. Lane, N. G., 1984, p. 126, Fig. 2, no. D. Chestnut and Etensohn, 1988, p.  
 35, Figs. 10, 15. Webster, 1986, p. 189. Webster, 1988, p. 105. Lane and  
 Sevastopulo, 1990, p. 337. Webster, 1993, p. 75. Kammer and Ausich, 1994, p.  
 345.

Named, currently recognized species based on cups or crowns: 15 Mississippian  
 species, 3 Tournaisian, 5 Viséan, 7 Serpukhovian

Mississippian, Tournaisian – Serpukhovian (late Kinderhookian - middle  
 Chesterian).

North America

*LINOOCRINUS* Goldring, 1938 (*non* Kirk, 1938) = **LINOBRACHIOCRINUS**

*Linocrinus arboreus* (Worthen, 1873). Kirk, 1938, p. 168. Bassler and Moodey, 1943,  
 p. 538. Moore and Laudon, 1944, p. 167, Pl. 59, fig. 5. Webster, 1973, p. 164.  
 Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 159, no. 3. Moore, Lane,  
 and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 496, no. 2d. Burdick  
 and Strimple, 1983a, p. 163, Pl. 22, figs. 3, 8, 10, 14. Webster, 1986, p. 189.  
 Webster, 1988, p. 105.

*Poteriocrinus (Zeacrinus) arboreus* Worthen *in* Meek and Worthen, 1873, p. 534,  
 Pl. 20, fig. 6. Bassler and Moodey, 1943, p. 538.

- Zeacrinus arboreus* (Worthen, 1873). Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 639.
- Woodocrinus arboreus* (Worthen, 1873). Weller, S., 1898c, p. 639.
- Scaphiocrinus arboreus* (Worthen, 1873). Springer, 1900, p. 147, Pl. 16, figs. 18-23. Bassler and Moodey, 1943, p. 538.
- Pachylocrinus arboreus* (Worthen, 1873). Springer, 1926b, p. 65, Pl. 16, figs. 3, 7 only. Bassler and Moodey, 1943, p. 538. Cuénot, 1948, p. 61, Fig. 78. Webster, 1973, p. 164.
- Mississippian, Serpukhovian (Meramecian – Chesterian), ?Monteagle Limestone, Gasper Formation. United States, Alabama
- Linocrinus asper* (Meek and Worthen, 1870). Kirk, 1938, p. 168. Bassler and Moodey, 1943, p. 538. Moore and Laudon, 1944, p. 167, Pl. 64, fig. 19. Webster, 1973, p. 164.
- Zeacrinus asper* Meek and Worthen, 1870a, p.150. Meek and Worthen, 1873, p. 430, Pl. 1, fig. 7. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 639. Bassler and Moodey, 1943, p. 538.
- Poteriocrinites (Zeacrinus) asper* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 538.
- Woodocrinus asper* (Meek and Worthen, 1870). Weller, S., 1898c, p. 639.
- Pachylocrinus asper* (Meek and Worthen, 1870). Springer, 1911c, p. 147. Bassler and Moodey, 1943, p. 538. Kammer and Ausich, 1993, p. 620, Fig. 5.12.
- Poteriocrinus asper* (Meek and Worthen, 1870). Worthen, 1882, p. 11. Worthen, 1883, p. 278, Pl. 27, fig. 8. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 543. Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 620.
- Scaphiocrinus extensus* Wachsmuth and Springer, 1886, p. 237 (161). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 543. Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 620.
- Pachylocrinus extensus* (Wachsmuth and Springer, 1886). Bassler and Moodey, 1943, p. 580. Kammer and Ausich, 1993, p. 620.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone; lower part of Warsaw Formation. United States, Iowa
- Linocrinus cariniferous* (Worthen, 1873). Kirk, 1938, p. 168. Bassler and Moodey, 1943, p. 538. Burdick and Strimple, 1983a, p. 163, Pl. 22, Figs. 1-2, 5, 12, 15, 18-20. Webster, 1988, p. 105. Ausich, 2009a, p. 486, suppl. p. 29.
- Poteriocrinites (Zeacrinus) cariniferous* Worthen *in* Meek and Worthen, 1873, p. 535, Pl. 20, fig. 4.
- Coeliocrinus cariniferous* (Worthen, 1873). Weller, S., 1898c, p. 185. Bassler and Moodey, 1943, p. 538.
- Coeliocrinus cariniferus* Worthen, 1873. Miller, S. A., 1889, p. 233 (sic).
- Zeacrinus cariniferus* (Worthen, 1873). Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 185.
- Cyathocrinites inflatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Bassler and Moodey, 1943, p. 538.
- Cyathocrinus inflatus* Troost, 1850. Miller, S. A., 1889, p. 236.
- Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama

- Linocrinus compactus* (Laudon, 1933). Kirk, 1938, p. 168. Bassler and Moodey, 1943, p. 538. Moore and Laudon, 1944, p. 167, Pl. 64, fig. 23. Jacobson, 1970, p. 232, Pl. 1, fig. 5. Priest, 1973, p. 73, Fig. 2. Webster, 1973, p. 164. Webster, 1977, p. 106.  
*Zeacrinus compactus* Laudon, 1933, p. 66, Pl. 5, figs. 4-5. Bassler and Moodey, 1943, p. 538.  
 Mississippian, Tournaisian (late Kinderhookian), Gilmore City Formation. United States, Iowa
- Linocrinus faculensis* Laudon, Parks, and Spreng, 1952, p. 555, Pls. 65, fig. 16; 69, fig. 6. Webster, 1973, p. 164.  
 Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Linocrinus floweri* Laudon, 1941, p. 386, Pl. 56, fig. 4. Easton, 1942, p. 84, Pl. 3, fig. 2. Bassler and Moodey, 1943, p. 538.  
 Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma
- Linocrinus kindlei* Goldring, 1938 = \**Linobrachiocrinus kindlei*
- Linocrinus laurelensis* Chestnut and Etensohn, 1988, p. 35, Pl. 1, figs. 10-15; Fig. 19; Tab. 4. Webster, 1993, p. 76.  
 Mississippian, Serpukhovian (middle Chesterian), Pennington Formation. United States, Kentucky
- Linocrinus lautus* (Miller and Gurley, 1890) = *Linocrinus praemorsus*
- Linocrinus merope* (Hall, 1863) Kammer and Roeser, 2012, p. 484, Figs. 5.5, 6.1-6.3.  
*Zeacrinus merope* Hall, 1863b, p. 60. Hall, 1864a, p. 60. Hall and Whitfield, 1875c, p. 172, Pl. 12, fig. 15. Miller, S. A., 1889, p. 288. Lesley, 1889, p. 1282, Fig. 18. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 728. zzkammer and Roeser, 2012 p. 484.  
*Woodocrinus merope* (Hall, 1863). Weller, S., 1898c, p. 640. Grabau and Shimer, 1910, p. 512, Fig. 1828, no. a.  
*Zeacrinites merope* (Hall, 1863). Bassler and Moodey, 1943, p. 728.  
 Mississippian, Tournaisian (Kinderhookian), Cuyahoga Formation, Meadville Shale Member. United States, Ohio
- Linocrinus parvaradianalis* (Sutton and Winkler, 1940). Burdick and Strimple, 1983a, p. 164. Webster, 1988, p. 106.  
*Ageneracrinus parvaradianalis* Sutton and Winkler, 1940, p. 565, Pl. 66, fig. 13.  
 Mississippian, Serpukhovian (Chesterian), Monteagle Limestone; Bangor Limestone;  
 Golconda Formation. United States, Alabama, Kentucky

- Linocrinus penicillus* (Meek and Worthen, 1870). Kirk, 1938, p. 169. Bassler and Moodey, 1943, p. 538. Moore and Laudon, 1944, p. 167, Pl. 64, fig. 20. Webster, 1973, p. 164.
- Poteriocrinites (Scaphiocrinus) penicillus* Meek and Worthen, 1870a, p. 142. Meek and Worthen, 1873, p. 414, Pl. 2, fig. 7. Bassler and Moodey, 1943, p. 538.
- Scaphiocrinus penicillus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 547.
- Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa
- Linocrinus perangulatus* (White, 1862). Kirk, 1938, p. 169. Bassler and Moodey, 1943, p. 539.
- Zeacrinus perangulatus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 11. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 539.
- Woodocrinus perangulatus* (White, 1862). Weller, S., 1898c, p. 641.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Linocrinus praemorsus* (Miller and Gurley, 1890). Kirk, 1938, p. 169. Bassler and Moodey, 1943, p. 539. Moore and Laudon, 1944, p. 167, Pl. 64, fig. 22. Webster, 1973, p. 164. Kammer and Ausich, 1994, p. 345, Figs. 3.4-3.7.
- Scaphiocrinus praemorsus* Miller and Gurley, 1890b, p. 48, Pl. 8, fig. 11. Miller and Gurley, 1891, p. 364, Pl. 8, fig. 11. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 539.
- Poteriocrinus lautus* Miller and Gurley, 1896b, p. 30, Pl. 2, figs. 18-19. Miller, S. A., 1897, p. 752, Fig. 1388. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 538. Kammer and Ausich, 1994, p. 345.
- Linocrinus lautus* (Miller and Gurley, 1896). Kirk, 1938, p. 168. Bassler and Moodey, 1943, p. 538. Kammer and Ausich, 1994, p. 345.
- Mississippian, Viséan (early Meramecian), upper part of Warsaw Formation; Harrodsburg Limestone. United States, Missouri, Indiana
- Linocrinus scobina* (Meek and Worthen, 1870). Kirk, 1938, p. 169. Bassler and Moodey, 1943, p. 539. Moore and Laudon, 1944, p. 167, Pl. 64, fig. 24. Webster, 1973, p. 164.
- Zeacrinus scobina* Meek and Worthen, 1870a, p. 140. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 641.
- Poteriocrinites (Zeacrinus) scobina* (Meek and Worthen, 1870). Meek and Worthen, 1873, p. 426, Pl. 1, fig. 2. Bassler and Moodey, 1943, p. 539.
- Woodocrinus scobina* (Meek and Worthen, 1870). Weller, S., 1898c, p. 641.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Linocrinus spinuliferus* (Worthen, 1884). Kirk, 1938, p. 169. Bassler and Moodey, 1943, p. 539.



*Poteriocrinus spinuliferus* Worthen, 1884, p. 27. Miller, S. A., 1889, p. 275.  
Worthen, 1890, p. 86, Pls. 14, fig. 3; 17, figs. 1-1a. Weller, S., 1898c, p. 478.  
Bassler and Moodey, 1943, p. 539.

*Zeacrinus spinuliferus* Worthen in Miller, S. A., 1889, p. 289, Fig. 446.  
Mississippian, Serpukhovian (Chesterian), Renault Formation or Paint Creek  
Formation. United States, Illinois

\**Linocrinus wachsmuthi* Kirk, 1938, p. 169. Bassler, 1938, p. 125. Bassler and  
Moodey, 1943, p. 539.

*Pachylocrinus arboreus* Springer, 1926, p. 65, Pl. 16, figs. 4-6 only. Bassler and  
Moodey, 1943, p. 539. Moore and Laudon, 1944, p. 167, Pl. 59, fig. 3. Webster,  
1973, p. 164. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T748,  
Fig. 496, nos. 2a-2c. Webster, 1986, p. 189.

Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United  
States,  
Alabama

*Linocrinus wilsallensis* Laudon and Severson, 1953, p. 517, Pls. 51, fig. 28; 55, fig. 15.  
Webster, 1973, p. 164.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States,  
Montana

*Linocrinus* spp.

Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 9. Webster, 1977, p. 106.

Mississippian, Serpukhovian (Chesterian), Floyd Shale. United States, Georgia  
Burdick and Strimple, 1983a, p. 164. Webster, 1988, p. 106.

Mississippian, Serpukhovian (Chesterian), Hartselle Sandstone. United States,  
Alabama

**LIOMOLGOCRINUS** Strimple, 1963. \**L. dissutus* Strimple, 1963.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Scyphocrinitoidea, F.  
Scyphocrinitidae

Strimple, 1963d, p. 103. Webster, 1973, p. 164. Ubaghs in Moore and Teichert,  
1978, p. T491. Webster, 1986, p. 190.

Named, currently recognized species based on cups or crowns: 1 Devonian, \  
Lochkovian species

Devonian, Lochkovian (Gedinnian). United States, Oklahoma

\**Liomolgocrinus dissutus* Strimple, 1963d, p. 103. Webster, 1973, p. 164. Ubaghs in  
Moore and Teichert, 1978, p. T491, Fig. 293, no. 1. Webster, 1986, p. 190.

*Scyphocrinus ulrichi* Springer, 1917, p. 54, Pl. 9, figs. 2a-2b. Bassler and Moodey,  
1943, p. 676.

Devonian, Lochkovian (Gedinnian), Haragan Formation. United States, Oklahoma

**LIPAROCRINUS** Goldring, 1923. \**L. batheri* Goldring, 1923.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F.  
Glossocrinidae

Goldring, 1923, p. 397. Springer, 1926b, p. 70. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 539. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 164. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637. Webster, 1986, p. 190. McIntosh, 2001, p. 805. Webster et al., 2003, p. 14. Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species  
Devonian, Frasnian. United States

\**Liparocrinus batheri* Goldring, 1923, p. 397, Pl. 52, fig. 8. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 539. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T637, Fig. 416, no. 2. Webster, 1986, p. 190.  
Devonian, Frasnian, lower part of Chemung Formation. United States, New York

*Liparocrinus halli* Goldring, 1923 = *Glossocrinus halli*

**LIRIOCRINUS** Dujardin and Hupé, 1862 = **LYRIOCRINUS**

*Liriocrinus dactylus* (Hall, 1843) = *Lyriocrinus dactylus*

**LITHOCRINUS** Wachsmuth and Springer, 1880. \**Forbesiocrinus divaricatus* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae

Wachsmuth and Springer, 1880 (1879), p. 52 (275). Zittel, 1895, p. 138. Bather *in* Lankester, 1900, p. 189. Wachsmuth *in* Zittel, 1900, p. 164. Springer *in* Zittel, 1913, p. 204. Springer, 1906, p. 515. Springer, 1920a, p. 205. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 539. Moore and Laudon, 1943b, p. 73. Ubaghs, 1953, p. 755. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 164. Meyer and Lane, 1976, p. 474, Fig. 1. Webster, 1977, p. 106. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 506, no. 5a; 507, no. 4a. Webster, 1986, p. 190.

**LITHORCRINUS** Springer, 1902, p. 95. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 539. Moore *in* Moore and Teichert, 1978, p. T804.

Named, currently recognized species based on cups or crowns: 2 Silurian, Wenlockian species

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Lithocrinus divaricatus* (Angelin, 1878). Wachsmuth and Springer, 1880 (1879), p. 51. Springer, 1920a, p. 223, Pl. 20, figs. 1-3e. Bassler and Moodey, 1943, p. 539. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 538, no. 2; 540, no. 2. Webster, 1986, p. 190.

*Forbesiocrinus divaricatus* Angelin, 1878, p. 9, Pls. 21, fig. 21; 28, fig. 3 only. Bassler, 1938, p. 125. Bassler and Moodey, 1943, p. 539.

*Forbesiocrinus robustus* Angelin, 1878, p. 9, Pl. 21, figs. 11-12. Bassler and Moodey, 1943, p. 539.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Lithocrinus milleri* (Angelin, 1878). Wachsmuth and Springer, 1880 (1879), p. 53 (276).  
Bassler and Moodey, 1943, p. 539.

*Forbesiocrinus milleri* Angelin, 1878, p. 9, Pls. 21, fig. 16; 28, fig. 1. Bassler and  
Moodey, 1943, p. 539.

Silurian, Wenlockian. Sweden, Isle of Gotland

**LITHORCRINUS** Springer, 1902 = **LITHOCRINUS**

**LITOCRINUS** Lane and Sevastopulo, 1982. \**Kallimorphocrinus punctatus* Lane and  
Sevastopulo, 1981.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Lane and Sevastopulo, 1982b, p. 258, unfig. Sevastopulo and Lane, 1988, p. 246.

Webster, 1988, p. 106. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p.  
76.

Named, currently recognized species based on cups or crowns: 11 species, 1  
subspecies. 7 Mississippian, 3 Tournaisian, 4 Viséan (+1 Viséan

subspecies); 2 Pennsylvanian, bashkirian; 2 Permian, Sakmarian - Artinskian

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

Mississippian, Viséan. United Kingdom, Scotland

Pennsylvanian, bashkirian. Iran

Permian, late Sakmarian - early Artinskian. Australia

*Litocrinus angulatus* (Strimple and Koenig, 1956). Lane and Sevastopulo, 1982b, p.  
258. Sevastopulo and Lane, 1988, p. 246. Webster, 1988, p. 106. Webster,  
1993,

p. 76.

*Kallimorphocrinus angulatus* Strimple and Koenig, 1956, p. 1233, Figs. 1, no. c; 2,  
nos. 13-28. Regnell, 1960, p. 780, Fig. 6. Webster, 1973, p. 159. Webster, 1988,  
p. 106.

Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member; St. Joe  
Formation. United States, New Mexico, Oklahoma

*Litocrinus bullatus* Webster et al., 2011, p. 29, Figs. 9, nos. a-f; 10.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Litocrinus conus* Webster et al., 2011, p. 29, Fig. 9, nos. q-t.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Litocrinus extensus* (Wright, 1952). Lane and Sevastopulo, 1982b, p. 258. Webster,  
1988, p. 106.

*Kallimorphocrinus extensus* Wright, J., 1952a, p. 146, Pl. 40, fig. 10. Webster,  
1973, p. 159. Webster, 1988, p. 106.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Litocrinus indicus* (Gupta and Prokop, 1978). Lane and Sevastopulo, 1982b, p. 258.  
Webster, 1988, p. 106.

*Kallimorphocrinus indicus* Gupta and Prokop, 1978, p. 58, Pl. 6, figs. 1-2; Figs. 1-2.  
Webster, 1986, p. 182. Webster, 1988, p. 106.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Mississippian. India, Ladakh

*Litocrinus pansus* Webster and Jell, 1992, p. 331, Fig. 7, nos. C-H.

Permian, late Sakmarian - early Artinskian, Callytharra Limestone. Australia,  
Western Australia, Carnarvon Basin

*Litocrinus pristinus* (Peck, 1936). Lane and Sevastopulo, 1982b, p. 258. Webster,  
1988, p. 106.

*Callimorphocrinus pristinus* Peck, 1936, p. 287, Pl. 46, figs. 16-22. Bassler and  
Moodey, 1943, p. 528. Webster, 1988, p. 106.

*Kallimorphocrinus pristinus* (Peck, 1936). Bassler and Moodey, 1943, p. 528.  
Strimple and Koenig, 1956, p. 1231, Fig. 1, no. a. Webster, 1973, p. 159.  
Webster, 1988, p. 106.

Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States,  
Missouri

*Litocrinus protuberans* Webster and Jell, 1992, p. 333, Fig. 8.

Permian, late Sakmarian or early Artinskian, Callytharra Limestone. Australia,  
Western Australia, Carnarvon Basin

\**Litocrinus punctatus* (Lane and Sevastopulo, 1981). Lane and Sevastopulo, 1982b,  
p. 258. Webster, 1988, p. 106.

*Kallimorphocrinus punctatus* Lane and Sevastopulo, 1981, p. 13, Pls. 1-4; Figs. 1,  
2. Lane and Sevastopulo, 1982b, p. 258. Webster, 1988, p. 106.

Mississippian, Viséan (Osagean), New Providence Shale. United States, Tennessee

*Litocrinus puteatus* (Peck, 1936). Lane and Sevastopulo, 1982b, p. 258. Webster,  
1988, p. 106.

*Callimorphocrinus puteatus* Peck, 1936, p. 288, Pl. 46, Figs. 1-2. Bassler and  
Moodey, 1943, p. 528. Webster, 1988, p. 106.

*Kallimorphocrinus puteatus* (Peck, 1936). Bassler and Moodey, 1943, p. 528. Moore  
and Laudon, 1944, p. 149, Pl. 56, fig. 6. Strimple and Koenig, 1956, p. 1231, Fig.  
1, no. b. Webster, 1973, p. 160. Webster, 1988, p. 106.

Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Missouri

*Litocrinus scoticus* (Wright, 1932). Lane and Sevastopulo, 1982b, p. 258. Webster,  
1988, p. 106.

*Allagecrinus scoticus* Wright, J., 1932, p. 349, Pl. 23, figs. 1-17; Figs. 16-25.  
Bassler and Moodey, 1943, p. 528. Webster, 1988, p. 106.

*Kallimorphocrinus scoticus* (Wright, 1932). Wright, J., 1933, p. 204. Wright, J., 1939,  
p. 51, Pls. 10, figs. 1-3, 5-6; 12, fig. 3. Wright, J., 1941, p. 302, Pl. 7, figs. 8, 11.  
Bassler and Moodey, 1943, p. 528. Wright, J., 1952a, p. 143, Pl. 40, figs. 1, 4-6;  
Fig. 75. Webster, 1973, p. 160. Webster, 1988, p. 106. Arendt, 2002, p. 120, Pl.  
3, figs. 1-4.

*Allagecrinus austinii* Carpenter and Etheridge, 1881, Pl. 16, figs. 2, 4-7. Bassler  
and Moodey, 1943, p. 528.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

Pennsylvanian, early Serpukhovian, lower part of Steshev Horizon. Russia,  
Moscow Basin

*Litocrinus* cf. *scoticus* (Wright, 1932). Sevastopulo, 2002, p. 11, Fig. 4, no. g.  
Mississippian, Asbian. Ireland, County Sligo

*Litocrinus scoticus contractus* (Wright, J., 1933).

*Kallimorphocrinus scoticus contractus* Wright, J., 1933, p. 206, Pl. 14, fig. 1. Bassler  
and Moodey, 1943, p. 528. Kammer and Ausich, 2007c, p. 140, unfig.

*Callimorphocrinus scoticus* var. *contractus* Wright, J., 1939, p. 51, Pl. 10, fig. 4.  
Bassler and Moodey, 1943, p. 528.

Mississippian, Viséan, Brigantian, Lower Limestone Group. United Kingdom,  
Scotland

*Litocrinus tintinabulum* (Strimple and Koenig, 1956). Lane and Sevastopulo, 1982b,  
p. 258. Webster, 1988, p. 107.

*Kallimorphocrinus tintinabulum* Strimple and Koenig, 1956, p. 1235, Figs. 1, no. d;  
2, nos. 36-39. Webster, 1973, p. 160. Webster, 1988, p. 107.

Mississippian, Tournaisian (Kinderhookian), shale in Welden Limestone. United  
States, Oklahoma

*Litocrinus* n. sp. 1. Sevastopulo, 2002, p. 11, Fig. 4, no. e.  
Mississippian, Asbian. Ireland, County Sligo

*Litocrinus* n. sp. 2. Sevastopulo, 2002, p. 11, Fig. 4, no. f.  
Mississippian, Asbian. Ireland, County Sligo

*Litocrinus* sp. nov. Sevastopulo, 2008, p. 61, Fig. 3.3, nos. 1-2.

Mississippian, late Viséan, Meenymore Formation. Ireland, County Sligo

*Litocrinus* spp.

Webster and Jell, 1999a, p. 262, Fig. 15, no. D-F.

Mississippian, Viséan, Baywulla Formation. Australia, Queensland

Sevastopulo, 2008, p. 59, Fig. 3.2, nos. 1-2.

Mississippian, late Viséan, Meenymore Formation. Ireland, County Sligo

**LOBALOCRINUS** Knapp, 1969 = **GRAFFHAMICRINUS**

*Lobalocrinus wolforum* (Moore and Plummer, 1940) = *Graffhamicrinus wolforum*

**LOBOCRINUS** Wachsmuth and Springer, 1897 = **UPEROCRINUS**

*Lobocrinus aequibrachiatus* (McChesney, 1860) = *Uperocrinus aequibrachiatus*

*Lobocrinus aequibrachiatus* var. *asteriscus* (Meek and Worthen, 1860) = *Uperocrinus*  
*aequibrachiatus asteriscus*

*Lobocrinus dubius* Rowley, 1902 = *Uperocrinus dubius* = *Abatocrinus dubius*

*Lobocrinus dubius* var. *pustulosus* Rowley, 1902 = *Uperocrinus dubius pustulosus* =  
*Abatocrinus dubius pustulosus*

*Lobocrinus hageri* (McChesney, 1860) = *Uperocrinus hageri*

*Lobocrinus inflatus* (Rowley and Hare, 1891) = *Uperocrinus inflatus*

*Lobocrinus insolitus* Rowley, 1902 = *Uperocrinus insolitus*

*Lobocrinus longirostris* (Hall, 1858) = *Uperocrinus longirostris*

*Lobocrinus nashvillae* Troost, 1849 = *Uperocrinus nashvillae*

*Lobocrinus nashvillae* var. *subtractus* (White, 1862) = *Uperocrinus nashvillae subtractus*

*Lobocrinus pyriformis* (Shumard, 1855) = *Uperocrinus pyriformis*

*Lobocrinus robustus* Wachsmuth and Springer, 1897 = *Uperocrinus robustus*

*Lobocrinus spiniferus* Wachsmuth and Springer, 1897 = *Uperocrinus marinus*

*Lobocrinus yandelli* (Shumard, 1857) = *Eretmocrinus yandelli* *Magnuscrinus yandelli*

**LOBOLITHEN** Jaekel, 1904 = **SCYPHOCRINITES**

**LOBOLITHES** Zittel, 1895 = **SCYPHOCRINITES**

**LOBOLITHUS** Waagen and Jahn, 1899 = **SCYPHOCRINITES**

*Lobolithus michelini* Waagen and Jahn, 1899 = *Camarocrinus subornatus*

**LOBOMELOCRINUS** Frest and Strimple, 1977. \**L. rugatus* Frest and Strimple, 1977.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F.

Melocrinitidae

Frest and Strimple, 1977b, p. 278. Webster, 1986, p. 190.

Named, currently recognized species based on cups or crowns: 3 Silurian, Niagaran species

Silurian, middle - late Niagaran. United States

*Lobomelocrinus obconicus* (Hall, 1863). Frest and Strimple, 1977b, p. 278, Pl. 1, figs. 8-9. Webster, 1986, p. 191.

*Melocrinus obconicus* Hall, 1863a, p. 12. Hall, 1864b, p. 206. Shumard, 1868, p. 381. Hall, 1879a, p. 138, Pl. 14, figs. 11-14. Hall, 1882b, p. 269, Pl. 13, figs. 11-14. Miller, S. A., 1889, p. 261, Fig. 363. Lesley, 1889, p. 390, Figs. 11-14.

Wachsmuth and Springer, 1897, p. 302, Pl. 22, figs. 10a-10c. Bassler, 1915,

p.795. Bassler and Moodey, 1943, p. 558.  
*Melocrinites obconicus* (Hall, 1863). Bigsby, 1868, p. 22. Bassler and Moodey, 1943, p. 558. Webster, 1986, p. 191. Hauser, 2002, Tabs. 6-7.  
 Silurian, middle - late Niagaran, Waldron Shale; Louisville Limestone; Racine Dolomite. United States, Indiana, Tennessee, Kentucky, Illinois

\**Lobomelocrinus rugatus* Frest and Strimple, 1977b, p. 278, Pl. 1, figs. 10-11; Fig. 1, no. 8. Webster, 1986, p. 191.  
 Silurian, middle Niagaran, Waldron Shale. United States, Tennessee

*Lobomelocrinus verneuli* (Winchell and Marcy), 1866. Frest and Strimple, 1977b, p. 278. Webster, 1986, p. 191.

*Melocrinites verneuli* Winchell and Marcy, 1866. Webster, 1986, p. 191.

**Note:** Winchell and Marcy, 1866, do not describe, list, or illustrate a crinoid species *verneuli*. Uncertain who the author(s) of *L. verneuli* are or what specimens are referred to. This may belong under Troost. GDW.

Silurian, late Niagaran, Racine Dolomite. United States, Illinois, Iowa, Wisconsin

**LODANELLA** Kayser, 1885. \**L. mira* Kayser, 1885.

Classification uncertain

Kayser, 1885, p. 207 (described as a sponge). Jaekel, 1899b, p. 404. Jaekel, 1914, p. 382. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 540. Webster, 1973, p. 165. Webster, 1977, p. 106. Ettensohn, 1984, p. 65, Fig. 1. Webster, 1988, p. 107.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian

– Emsian species

Devonian, Pragian - Emsian. Germany

\**Lodanella mira* Kayser, 1885, p. 207. Jaekel, 1899b, p. 405. Jaekel, 1914, p. 382, Unnum. Fig. Wanner, 1916, p. 6, Fig. 82. Bassler, 1938, p. 126. Wanner, 1943, p. 33, Unnum. Fig. p. 34. Bassler and Moodey, 1943, p. 540. Schmidt, W. E., 1942, p. 190, Figs. 52-53. Gross, 1948, p. 40, Fig. 1. Webster, 1973, p. 165.  
 Devonian, Pragian - Emsian. Germany

*Loganocrinus kopfi* Goldring, 1946 = *Logonocrinus kopfi*

**LOGOCRINUS** Goldring, 1923. \**L. geniculatus* Goldring, 1923.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Corythocrinidae

Goldring, 1923, p. 437. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 540. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 169. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 165. Webster, 1977, p. 106. Moore and Strimple *in* Moore and Teichert, 1978, p. T645. Webster, 1986, p. 191.

Named, currently recognized species based on cups or crowns: 6 species, 5

Devonian, 3 Givetian, 2 Frasnian; 1 Mississippian, Tournaisian

Devonian - Mississippian, Givetian – Frasnian, Tournaisian. United States

- Logocrinus brandoni* Sigler, White, and Kesling, 1971, p. 214, Pls. 1-2; Figs. 1-2.  
 Kesling and Chilman, 1975, p. 164, Pls. 40, figs. 1-4; 100, figs. 9-10; Unnum.  
 Figs. p. 164. Webster, 1977, p. 106. Ubaghs *in* Moore and Teichert, 1978, p.  
 T144, Fig. 118, no. 2. Webster, 1986, p. 191.  
 Devonian, Givetian, Silica Shale. United States, Ohio
- Logocrinus conicus* Kesling, 1968d, p. 164, Pl. 1, figs. 1-8; Fig. 1. Webster, 1973, p.  
 165.  
 Devonian, Givetian, Bell Shale. United States, Michigan
- Logocrinus delicatulus* Lane, Waters, and Maples, 2001 = *Bridgerocrinus delicatulus*
- \**Logocrinus geniculatus* Goldring, 1923, p. 438, Pl. 57, figs. 1-6. Goldring, 1936, p. 22,  
 Pl. 7, fig. 13. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 540. Moore  
 and Laudon, 1944, p. 169, Pl. 58, fig. 1. Webster, 1973, p. 165. Moore and  
 Strimple *in* Moore and Teichert, 1978, p. T645, Fig. 421, no. 4. Webster, 1986,  
 p.  
 191.  
 Devonian, Givetian, Moscow Shale, Windom Shale. United States, New York
- Logocrinus infundibuliformis* Goldring, 1923, p. 440, Pl. 57, figs. 7-11. Bassler and  
 Moodey, 1943, p. 540. Moore and Laudon, 1944, p. 169, Pl. 58, fig. 13.  
 Webster, 1973, p. 165.  
 Devonian, Frasnian, lower part of Chemung Formation. United States, New York
- Logocrinus kopfi* (Goldring, 1946). Webster, 1973, p. 165.  
*Loganocrinus kopfi* Goldring, 1946, p. 37, Pl. 1, figs. 1-6 (sic).  
 Devonian, Frasnian, Alfred Shale. United States, New York
- Logocrius warreni* (Laudon, Parks, and Spreng, 1952()), Kammer and Roeser 2012, p.  
 376, Figs. 2.6, 2.9-3.11.  
*Cradeocrinus warreni* Laudon, Parks, and Spreng, 1952, p. 551, Pls. 65, figs. 18-21;  
 69, fig. 3. Webster, 1973, p. 85. Kammer and roeser, 2012, p. 476.  
 Mississippian, Kinderhookian, Cuyahoga Formation, Meadville Shale Member.  
 United States, Ohio
- LOPADIOCRINUS** Wanner, 1916. \**L. granulatus* Wanner, 1916.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
 Paradelocrinidae  
 Wanner, 1916, p. 227. Wanner, 1924, p. 181. Bassler, 1938, p. 126. Bassler and  
 Moodey, 1943, p. 540. Moore and Laudon, 1943b, p. 60. Branson, C. C., 1948,  
 p.  
 199. Arendt and Hecker, 1964, p. 90. Webster, 1973, p. 165. Moore, Strimple,  
 and Lane *in* Moore and Teichert, 1978, p. T709. Webster, 1986, p. 191.  
 Named, currently recognized species based on cups or crowns: 4 Permian species  
 (+2 subspecies) series uncertain  
 Permian, series uncertain. West Timor



- Lopadiocrinus angustecavatus* Wanner, 1937, p. 200, Pl. 13, figs. 22-24. Bassler and Moodey, 1943, p. 540. Branson, C. C., 1948, p. 199.  
Permian, series uncertain. West Timor, Basleo
- Lopadiocrinus brouweri* Wanner, 1916, p. 231, Pl. 109 (14), fig. 6. Bassler and Moodey, 1943, p. 540. Branson, C. C., 1948, p. 199. Wanner, 1949a, p. 51, Pl. 3, figs. 26-28; Figs. 14-15. Webster, 1973, p. 165.  
Permian, series uncertain. West Timor, Basleo
- Lopadiocrinus brouweri vermistriatus* Wanner, 1924, p. 196, Pl. 18, figs. 15-16.  
Bassler and Moodey, 1943, p. 540. Branson, C. C., 1948, p. 199.  
Permian, series uncertain. West Timor, Basleo
- \**Lopadiocrinus granulatus* Wanner, 1916, p. 228, Pl. 109 (14), figs. 3-4; Figs. 62-63.  
Wanner, 1924, p. 294, Figs. 57-60. Yakovlev, 1930c, p. 377, Figs. 4, 6. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 540. Branson, C. C., 1948, p. 199.  
Wanner, 1949a, p. 50, Pl. 3, figs. 23-25. Webster, 1973, p. 165. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709, Fig. 466, no. 2.  
Webster, 1986, p. 191.  
Permian, series uncertain. West Timor, Basleo
- Lopadiocrinus granulatus labiosus* Wanner, 1916, p. 231, Pl. 109 (14), fig. 5. Wanner, 1924, p. 295, Pl. 18, figs. 12-14. Bassler and Moodey, 1943, p. 541. Branson, C. C., 1948, p. 199.  
Permian, series uncertain. West Timor, Basleo
- Lopadiocrinus mammillaris* Wanner, 1916 = *Paraplasiocrinus transitorius*
- Lopadiocrinus tuberculatus* Wanner, 1937, p. 199, Pl. 13, figs. 17-21. Bassler and Moodey, 1943, p. 541. Branson, C. C., 1948, p. 199.  
Permian, series uncertain. West Timor, Basleo
- LOPHAGLAOPOLYGONUM** Moore, 1939. *Nomen vetitum* \**L. tenuirugosum*  
Moore, 1939.  
Moore, 1939b, p. 234. Jeffords *in* Moore and Teichert, 1978, p. T937. (basals)  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Missourian species  
Pennsylvanian, Missourian. United States, Iowa
- \**Lophaglaopolygonum tenuirugosum* Moore, 1939b, p. 234, Pl. 3, figs. 6a-6c, 7a-7c.  
(basal)  
Pennsylvanian, Missourian, horizon unknown. United States, Iowa
- LOPHOCRINUS** von Meyer, 1858. \**Poteriocrinus minutus* Roemer, 1850.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F.  
Lophocrinidae

von Meyer, H., 1858, p. 59. von Meyer, H., 1860, p. 111. Zittel, 1880, p. 344, 361. Jaekel, 1895a, p. 90. Koenen, 1895, p. 209. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 159. Springer *in* Zittel, 1913, p. 221. Haarmann, 1920, p. 34. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 541. Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 165. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T659. Webster, 1986, p. 191. Lane and Sevastopulo, 1993, p. 336. Webster, 1993, p. 76.

**CARDUOCRINUS** von Koenen, 1895, p. 210. \**C. jaekeli* von Koenen, 1895. Bassler, 1938, p. 60. Bassler and Moodey, 1943, p. 541. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T659.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. Germany, Spain

\**Lophocrinus minutus* (Roemer, 1850). Jaekel, 1895a, p. 92, Pl. 7. Patteisky, 1929, p. 200, Pl. 18, figs. 26-28. Schmidt, W. E., 1930, p. 31, Pls. 2, figs. 13-15; 3, figs. 1a-1b; Fig. 6. Bassler and Moodey, 1943, p. 541. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T659, Fig. 432, no. 6. Webster, 1986, p. 191. Haude and Thomas, 1992, p. 335, Pl. 7, figs. A-C; Figs. 2, no. B; 11. Thomas and Haude, 2006, p. 188, Fig. 7.

*Poteriocrinus minutus* Roemer, F. A., 1850b, p. 47, Pl. 8, figs. 1a-1d. Roemer, F. A., 1866b, p. 233. Bassler and Moodey, 1943, p. 541.

*Lophocrinus speciosus* von Meyer, H., 1858, p. 59. von Meyer, H., 1860, p. 111, Pls. 14, figs. 1-3; 15, figs. 1-4. Weigelt, 1917, p. 195. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 541.

*Carduocrinus jaekeli* von Koenen, 1895, p. 210. Bassler, 1938, p. 60. Bassler and Moodey, 1943, p. 541. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T659.

Mississippian, Viséan, Posidonienschiefer. Germany, Spain

*Lophocrinus aff. minutus* (Roemer, 1850). Webster, 1973, p. 165.

*Poteriocrinus aff. minutus* Roemer, 1850. Larrauri y Mercadillo, 1944, p. 50, Pls. 6, fig. 1; 8, fig. 1. Webster, 1973, p. 165.

Devonian. Spanish Sahara

*Lophocrinus speciosus* von Meyer, 1858 = *Lophocrinus minutus*

*Lophocrinus?* n. sp. Schmidt, W. E., 1937, p. 1, Pl. 1, figs. 1-3.

Mississippian: Colombia

**LOROOCRINUS** Webster et al., 2003. \**Lorocrinus zanguensis* Webster et al., 2003.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Webster et al., 2003, p. 25, Fig. 15.2.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian. Iran, Kerman Province

\**Lorocrinus zanguensis* Webster et al., 2003, p. 25, Figs. 12.3-12.4, 15.1.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*LOVENIOCRINUS* Jaekel, 1918 = ***MACROSTYLOCRINUS***

*Loveniocrinus gotlandicus* Jaekel, 1918 = *Macrostylocrinus gotlandicus*

***LOXOCRINUS*** Wanner, 1916. \**L. globulus* Wanner, 1916.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Mespilocrinidae

Wanner, 1916, p. 250. Wanner, 1924, p. 89. Bassler, 1938, p. 127. Bassler and  
Moodey, 1943, p. 541. Moore and Laudon, 1943b, p. 98. Branson, C. C., 1948,  
p.

199. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 165. Moore *in* Moore  
and Teichert, 1978, p. T782. Webster, 1986, p. 192.

Named, currently recognized species based on cups or crowns: 3 Permian species,  
1 Artinskian, 2 series uncertain

Permian, series uncertain. West Timor

Permian, early Artinskian. Australia, western Australia

*Loxocrinus booni* Marez Oyens, 1940a, p. 305, Pl. 2, fig. 5. Bassler and Moodey,  
1943,

p. 541. Branson, C. C., 1948, p. 199. Webster and Jell, 1999b, p. 314, Figs. 21,  
nos. E-F.

Permian, series uncertain. West Timor, Kioemoko

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*Loxocrinus dilatatus* Wanner, 1916. Wanner, 1924, p. 91, Pls. 3, fig. 12; 4, figs. 2-6.

Wanner, 1930, p. 12, Figs. 1-2. Bassler and Moodey, 1943, p. 541. Branson, C.  
C., 1948, p. 199.

*Loxocrinus globulus* var. *dilatata* Wanner, 1916, p. 256, Pl. 110 (15), fig. 3. Bassler  
and Moodey, 1943, p. 541. Branson, C. C., 1948, p. 199.

Permian, series uncertain. West Timor, Basleo

\**Loxocrinus globulus* Wanner, 1916, p. 252, Pl. 110 (15), figs. 1-2; Fig. 64. Bassler,  
1938, p. 127. Bassler and Moodey, 1943, p. 542. Branson, C. C., 1948, p. 200.  
Moore *in* Moore and Teichert, 1978, p. T782, Figs. 521, no. 4; 523, no. 1.  
Webster, 1986, p. 192.

Permian, series uncertain. West Timor, Basleo

*Loxocrinus globulus* var. *dilatata* Wanner, 1916 = *Loxocrinus dilatatus*

*Loxocrinus* sp. 1 Webster and Jell, 1999b, p. 315, Fig. 22, no. A.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*Loxocrinus* sp. 2 Webster and Jell, 1999b, p. 315, Fig. 22, nos. B-C.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

**LUXOCRINUS** Witzke and Strimple, 1981. \**Luxocrinus simplex* Witzke and Strimple, 1981.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Witzke and Strimple, 1981, p. 106. Webster, 1988, p. 107.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoverian species

Silurian, late Llandoverian. United States, Iowa

\**Luxocrinus simplex* Witzke and Strimple, 1981, p. 106, Pl. 1, figs. 2-5; Fig. 3. Webster, 1988, p. 107.

Silurian, late Llandoverian, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

**LYONICRINUS** Springer, 1926. \**Cococrinus bacca* Roemer, 1860.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

Springer, 1926a, p. 48. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 542.

Moore and Laudon, 1943b, p. 101. Moore and Laudon, 1944, p. 201. Ubaghs, 1953, p. 743. Webster, 1973, p. 165. Webster, 1977, p. 106. Ubaghs *in* Moore and Teichert, 1978, p. T515. Witzke and Strimple, 1981, p. 136. Webster, 1986, p. 192. Webster, 1988, p. 107.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Middle Silurian, Niagaran. United States

\**Lyonocrinus bacca* (Roemer, 1860). Springer, 1926a, p. 51, Pl. 11, figs. 6-23. Bassler and Moodey, 1943, p. 542. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 1.

Moore and Laudon, 1944, p. 201, Pl. 77, fig. 19. Spreng and Parks, 1953, p. 591,

Figs. 2, no. e; 5, no. d (typographical error as *Lyonocrinus bacca* p. 591 and *Lyonocrinus bacca* Fig. 2). Breimer, 1962a, p. 141, Fig. 32. Koenig, J. W., 1965, p. 407, Fig. 3, nos. A-C. Webster, 1973, p. 165. Webster, 1977, p. 106. Ubaghs *in* Moore and Teichert, 1978, p. T515, Fig. 315, no. 1. Webster, 1986, p. 192. Ausich, 2009a, p. 487, suppl. p. 30.

*Cococrinus bacca* Roemer, C. F., 1860a, p. 51, Pl. 4, figs. 5a-5c. Shumard, 1868, p. 359. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 232, Fig. 265. Grabau and Shimer, 1910, p. 515, Fig. 1835. Bassler, 1915, p. 248. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 542.

*Platycrinites ann dixonii* Troost, 1850a, 61. Troost, 1850b, p. 420 (*nomen nudum*). Bassler, 1915, p. 248. Bassler and Moodey, 1943, p. 542.

*Platycrinus ann dixonii* Troost, 1850. Shumard, 1868, p. 387.

*Platycrinus anndixonii* Troost, 1850. Miller, S. A., 1889, p. 270.

*Pisocrinus anne dixonii* Troost, 1850. Bigsby, 1868, p. 22.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Lyonocrinus* sp. Witzke and Strimple, 1981, p. 136, Pl. 5, figs. 21-22. Webster, 1988, p. 107.

Silurian, late Llandoverian, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

**LYRIOCRINUS** Hall, 1852. \**Marsupiocrinites? dactylus* Hall, 1843.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Hall, 1852a, p. 197. Pictet, 1857, p. 329. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Zittel, 1880, p. 345, 378. Wachsmuth and Springer, 1881, p. 184 (358).  
 Miller, S. A., 1889, p. 258. Zittel, 1895, p. 131. Wachsmuth and Springer, 1897, p. 261. Bather *in* Lankester, 1900, p. 200. Wachsmuth *in* Zittel, 1900, p. 146.  
 Weller, S., 1900, p. 90. Grabau and Shimer, 1910, p. 550, Fig. 1879. Springer *in* Zittel, 1913, p. 189. Bassler, 1915, p. 773. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 542. Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 185. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 165. Webster, 1977, p. 106. Ubaghs *in* Moore and Teichert, 1978, p. T427. Webster, 1986, p. 192. Donovan, et al., 2012, p. 144.

*LIRIOCRINUS* Hall, 1852. Dujardin and Hupé, 1862, p. 149 (sic).

Named, currently recognized species based on cups or crowns: 4 Silurian species, 3 Niagaran, 1 Wenlockian

Silurian, Niagaran. United States

Silurian, Wenlockian. United Kingdom

*Lyriocrinus? beecheri* Hudson, 1904 = *Hercocrinus beecheri*

*Lyriocrinus britannicus* Ramsbottom, 1950, p. 653, Pl. 9, figs. 1-4; Fig. 2. Webster, 1973, p. 166. Donovan et al., 2008a, p. 32, Fig. 2, no. A. Donovan et al., 2012, p. 144, Pl. 38, fig. 1

Silurian, Wenlockian, upper part of Much Wenlock Limestone Formation. United Kingdom

\**Lyriocrinus dactylus* (Hall, 1843). Hall, 1852a, p. 197, Pl. 44, figs. 1a-1g. Pictet, 1857, p. 330, Pl. 101, fig. 12. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 259, Figs. 352-353. Lesley, 1889, p. 366, Fig. 5. Wachsmuth and Springer, 1897, p. 262, Pl. 11, figs. 5a-5c. Grabau, 1901a, p. 156, Fig. 51. Grabau, 1901b, p. 156, Fig. 51. Grabau and Shimer, 1910, p. 550, Fig. 1880. Bassler, 1915, p. 773. Bassler and Moodey, 1943, p. 542. Ubaghs *in* Moore and Teichert, 1978, p. T427, Fig. 237, no. 1. Webster, 1986, p. 192.

*Marsupiocrinites? dactylus* Hall, 1843a, p. 113-114, Pl. 18, figs. 4-5; Fig. 41, nos. 4-5. Shumard, 1868, p. 379. Bassler, 1915, p. 773. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 542.

*Melocrinus dactylus* (Hall, 1843). d'Orbigny, 1849, p. 45. Bassler, 1915, p. 773.

*Liriocrinus dactylus* (Hall, 1843). Dujardin and Hupé, 1862, p. 149 (sic).

*Rhodocrinus (Lyriocrinus) dactylus* (Hall, 1843). Shumard, 1866, p. 379. Bassler, 1915, p. 773.

*Lyriocrinus (Rhodocrinus) dactylus* (Hall, 1843). Hall, 1882b, p. 271. Bassler, 1915, p. 774.

*Marsupiocrinus dactylus* (Hall, 1843). Miller, S. A., 1889, p. 260.

Silurian, Niagaran, Rochester Shale. United States, New York; Canada, Ontario

*Lyriocrinus (Rhodocrinus) dactylus* (Hall, 1843) = *Lyriocrinus dactylus*

- Lyriocrinus melissa* (Hall, 1863). Hall, 1882b, p. 269, Pls. 14, figs. 18-27; 15, fig. 11. Miller, S. A., 1889, p. 259, Fig. 354. Lesley, 1889, p. 366, Figs. 11, 19-26. Keyes, 1894a, p. 21, Fig. 6. Wachsmuth and Springer, 1897, p. 263, Pl. 11, figs. 4a-4f. Weller, S., 1900, p. 91, Pl. 3, figs. 6-8. Grabau and Shimer, 1910, p. 550. Bassler, 1915, p. 774. Bassler and Moodey, 1943, p. 542. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 28. Wilson, C. W., 1948, p. 158, Pl. 25, fig. 15. Wilson, C. W., 1949, p. 251, Pl. 25, fig. 15. Ramsbottom, 1950, p. 651, Fig. 1. Webster, 1973, p. 166. Webster, 1977, p. 107. Kahrs, 1995, p. 51, Figs. 1-3.
- Rhodocrinus melissa* Hall, 1863a, p. 4. Hall, 1864b, p. 198. Shumard, 1868, p. 394. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 277. Bassler, 1915, p. 774. Bassler and Moodey, 1943, p. 542.
- Rhodocrinus (Lyriocrinus) melissa* Hall, 1863. Hall, 1879a, p. 139, Pl. 15, figs. 18-27. Bassler, 1915, p. 774. Bassler and Moodey, 1943, p. 542.
- Silurian, Niagaran, Waldron Shale; Racine Dolomite. United States, Indiana, Tennessee, Wisconsin, Illinois
- Lyriocrinus sculptilis* (Hall, 1864). Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 259. Bassler, 1915, p. 774. Bassler and Moodey, 1943, p. 542.
- Rhodocrinus (Lyriocrinus) sculptilis* Hall, 1864c, p. 325. Hall, 1865, p. 21. Hall, 1867b, p. 325. Hall, 1870, p. 368. Bassler, 1915, p. 774. Bassler and Moodey, 1943, p. 542.
- Silurian, Niagaran, Racine Dolomite. United States, Wisconsin
- Lyriocrinus sculptilis* (or *sculptus*) Miller, 1882 = *Diaboloocrinus vesperalis*
- Lyriocrinus sculptus* Miller, 1882 = *Diaboloocrinus vesperalis*
- Lyriocrinus* sp. Howell, 1995, p. 100, Pl. 6, fig. 3.  
No age or locality given
- Lyriocrinus?* sp. Haugh, 1978, p. 148, Fig. 16, no. E. Webster, 1986, p. 192.  
Middle Silurian, Georgian Bay Formation. No locality given
- MACAROOCRINUS** Jaekel, 1895. \**M. springeri* Jaekel, 1895.  
Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Jaekel, 1895a, p. 36. Bather *in* Lankester, 1900, p. 166. Schmidt, W. E., 1934, p. 123. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 542. Moore and Laudon, 1943b, p. 93. Ubaghs, 1953, p. 737. Webster, 1973, p. 166. Ubaghs *in* Moore and Teichert, 1978, p. T434. Webster, 1986, p. 192.  
Named, currently recognized species based on cups or crowns: 3 Devonian, Emsian species  
Devonian, early Emsian. Germany
- Macarocrinus semelfurcatus* Schmidt, W. E., 1934, p. 126, Pl. 18, fig. 2; Fig. 28, no. c. Bassler and Moodey, 1943, p. 543. Südkamp, 1995a, p. 117, unnumbered fig. p. 117.  
Devonian, early Emsian, Hunsrückschiefer. Germany

\**Macarocrinus springeri* Jaekel, 1895a, p. 37, Pl. 2, fig. 1. Bather *in* Lankester, 1900, p. 166, Fig. 79, no. 1. Opitz, 1932, p. 98, Fig. 95. Schmidt, W. E., 1934, p. 124, Pl. 29, fig. 2; Fig. 28, no. a. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 543. Ubaghs *in* Moore and Teichert, 1978, p. T434, Fig. 244, no. 1. Webster, 1986, p. 192.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Macarocrinus terfurcatus* Schmidt, W. E., 1934, p. 126, Pl. 11, fig. 3; Fig. 28, no. b. Bassler and Moodey, 1943, p. 543. Schmidt, 1942, p. 32, Pl. 4, fig. 3. Webster, 1973, p. 166.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Macarocrinus?* sp. Breimer, 1962a, p. 13, Pl. 1, figs. 10-12. Webster, 1973, p. 166. Devonian. Spain

**MACNAMARATYLUS** Bolton, 1970 = **EOMYELODACTYLUS**

*Macnamaratylus murrayi* Bolton, 1970 = *Eomyelodactylus murrayi*

**MACROCRINARTHURUM** Moore, 1939. *Nomen vetitum* \**M. corrugatum* Moore, 1939. Moore, 1939b, p. 225. Jeffords *in* Moore and Teichert, 1978, p. T936. (radials) Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Desmoinesian, 1 Desmoinesian - Missourian Pennsylvanian, Desmoinesian - Missourian. United States, Kansas

\**Macrocrinarthrum corrugatum* Moore, 1939b, p. 225, Pl. 2, figs. 9a-9c. Devonshire, 1954, Pl. 2, fig. 2. Devonshire, 1955, Pl. 2, fig. 2. Webster, 1977, p. 107. Pennsylvanian, Desmoinesian - Missourian, Pumpkin Creek Limestone; Checkerboard? Limestone. United States, Kansas

*Macrocrinarthrum tuberculatum* Moore, 1939b, p. 227, Pls. 2, figs. 8a-8c; 3, fig. 10. Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

*Macrocrinarthrum tuberculatus* Moore, 1939. Devonshire, 1954, Pl. 2, fig. 8; **1955**, Pl. 2, fig. 8. Webster, 1977, p. 107. Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

**MACROCRINUS** Wachsmuth and Springer, 1897. \**Actinocrinus konincki* Shumard, 1855.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Wachsmuth and Springer, 1897, p. 446. Miller, S. A., 1897, p. 748. Bather *in* Lankester, 1900, p. 168. Grabau and Shimer, 1910, p. 545. Springer *in* Zittel, 1913, p. 195. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 543. Moore and Laudon, 1943b, p. 95, Fig. 16. Moore and Laudon, 1944, p. 197. Ubaghs, 1953, p. 740. Lane, N. G., 1963b, p. 922. Webster, 1973, p. 166. Webster, 1977,

p. 107. Haugh, 1978, p. 114, Fig. 11, no. D. Lane *in* Moore and Teichert, 1978, p. T469. Webster, 1986, p. 192. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 107. Ausich and Kammer, 1991b, p. 936. Webster, 1993, p. 76. Ausich and Kammer, 2010, p. 45.

Named, currently recognized species based on cups or crowns: 23 species. 1 Devonian, Emsian; 3 Mississippian, 2 Tournaisian, 1 Tournaisian – Viséan, 18 Viséan, 1 Osagean – Meramecian  
Devonian, Emsian. Germany  
Mississippian, Tournaisian – Viséan (late Kinderhookian – Meramecian). United States  
Mississippian, Tournaisian. Canada, Alberta

*Macrocrinus affinus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.

*Batocrinus affinis* Miller and Gurley, 1896c, p. 55, Pl. 4, figs. 8-9. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322. Ausich and Kammer, 2010, p. 45.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Macrocrinus approximatus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.

*Batocrinus approximatus* Miller and Gurley, 1896c, p. 56, Pl. 4, figs. 10-12. Miller, S. A., 1897, p. 735. Weller, S., 1898c, p. 123. Bassler and Moodey, 1943, p. 322. Ausich and Kammer, 2010a, p. 45.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Macrocrinus carica* (Hall, 1861). Wachsmuth and Springer, 1897, p. 448, Pl. 27, fig. 8. Weller, S., 1898c, p. 339. Bassler and Moodey, 1943, p. 543.

*Actinocrinus carica* Hall, 1861b, p. 10. Shumard, 1868, p. 342. Hall, 1872c, Pl. 4, fig. 12. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 339. Bassler and Moodey, 1943, p. 543.

*Eretmocrinus carica* (Hall, 1861). Miller, S. A., 1889, p. 243. Keyes, 1894a, p. 176. Weller, S., 1898c, p. 339.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Iowa, Missouri

*Macrocrinus casualis* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 45.

*Batocrinus casualis* Miller and Gurley, 1895a, p. 15, Pl. 1, figs. 17-18. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 323. Ausich and Kammer, 2010a, p. 45.

Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee

*Macrocrinus cognatus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.

*Batocrinus cognatus* Miller and Gurley, 1896c, p. 60, Pl. 4, figs. 18-21. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 323. Ausich and Kammer, 2010a, p. 45.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa



- Macrocrinus consanguineus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus consanguineus* Miller and Gurley, 1896c, p. 63, Pl. 4, figs. 22-23. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 125. Bassler and Moodey, 1943, p. 324.  
 Ausich and Kammer, 2010a, p. 45.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Macrocrinus gallatinensis* (Laudon and Severson, 1953). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus gallatinensis* Laudon and Severson, 1953, p. 526, Pls. 52, figs. 23-27; 55, figs. 19-21. Webster, 1973, p. 64. Gahn, 1995, p. 112, Fig. 2, no. 3. Ausich and Kammer, 2010a, p. 45.  
 Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana, Idaho
- Macrocrinus gemmiformis* (Hall, 1859). Wachsmuth and Springer, 1897, p. 449, Pl. 36, fig. 8. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543. Miller et al., 2008, p. 262, Fig. 12.10, nos. 5-6.  
*Actinocrinus gemmiformis* Hall, 1859a, p. 23, Unnum. Fig. Shumard, 1868, p. 344. Hall, 1872c, Pl. 3-A, fig. 6. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543.  
*Batocrinus gemmiformis* (Hall, 1859). Miller, S. A., 1897, p. 736.  
*Eretmocrinus gemmiformis* (Hall, 1859). Miller, S. A., 1889, p. 243. Miller, S. A., 1897, p. 744.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Weaubleau Breccia. United States, Iowa, Missouri
- Macrocrinus insolens* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus insolens* Miller and Gurley, 1896c, p. 35, Pl. 2, figs. 1-2. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 326.  
 Ausich and Kammer, 2010a, p. 45.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- Macrocrinus jucundus* (Miller and Gurley, 1890) = *Macrocrinus mundulus*
- \**Macrocrinus konincki* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 447, Pl. 35, figs. 1-3. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543.  
 Moore and Laudon, 1944, p. 197, Pl. 76, fig. 17. Laudon, 1973b, p. 27, Fig. 3. Webster, 1973, p. 166. Webster, 1977, p. 107. Lane in Moore and Teichert, 1978, p. T471, Fig. 275, no. 1. Lane and Dubar, 1983, p. 118, Fig. 3, no. O. Webster, 1986, p. 193. Webster, 1988, p. 107. Lee, Ausich, and Kammer, 2005, p. 344. Kendrick, 2007, p. 346, Fig. 9, no. F. Miller et al., 2008, p. 263, Fig. 12.10, no. 4.

- Macrocrinus kononcki* (Shumard, 1855). Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 12.
- Actinocrinus konincki* Shumard, 1855, p. 194, Pl. A, figs. 8a-8c. Billings, E., 1858, p. 30, Fig. 17. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 543.
- Eretmocrinus konincki* (Shumard, 1855). Miller, S. A., 1889, p. 243, Fig. 298. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 340.
- Batocrinus konincki* (Shumard, 1855). Miller, S. A., 1897, p. 737.
- Actinocrinus urnaeformis* McChesney, 1860, p. 23. Shumard, 1868, p. 349. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543.
- Actinocrinus urniformis* McChesney, 1860. Miller, S. A., 1889, p. 220. Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Borden Formation, Nada Member; Weaubleau Breccia. United States, Iowa, Missouri, Illinois, Kentucky

*Macrocrinus kononcki* (Shumard, 1855) = *Macrocrinus konincki*

*Macrocrinus lagunculus* (Hall, 1860) = *Macrocrinus mundulus*

- Macrocrinus matutus* (Hall, 1861). Ausich and Kammer, 2010a, p. 45.
- Actinocrinus matuta* Hall, 1861b, p. 14. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457.
- Eretmocrinus matuta* (Hall, 1861). Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 396, Pl. 37, figs. 6a-6c. Bassler and Moodey, 1943, p. 457.
- Eretmocrinus matutus* (Hall, 1861). Weller, S., 1898c, p. 251. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Macrocrinus mundulus* (Hall, 1859). Van Sant *in* Van Sant and Lane, 1964, p. 117, Pl. 8, figs. 6, 13. Webster, 1973, p. 166. Ausich and Lane, 1982b, p. 1355. Webster, 1988, p. 107. Baumiller, 1990a, p. 743, Fig. 1, nos. A-E. Ausich and Kammer, 1991b, p. 936, Figs. 1.1-1.3. Ausich *in* Hess et al., 1999 p. 147, Figs. 158, 161. Baumiller and Gahn, 2002, p. 203, Fig. 5, nos. 1-2. Stinchcomb, 2008, p. 125, Fig. 07-052. Gahn and Baumiller, 2010, p. 514f, Fig. 5, no. B.
- Actinocrinus mundulus* Hall, 1859a, p. 39. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328. Van Sant *in* Van Sant and Lane, 1964, p. 117. Webster, 1973, p. 166. Ausich and Kammer, 1991b, p. 936.
- Batocrinus mundulus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 382, Pl. 30, figs. 4a-5. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328. Ausich and Kammer, 1991b, p. 936.
- Macrocrinus mundulus?* (Hall, 1859). Ausich and Kammer, 1991b, p. 936.
- Actinocrinus lagunculus* Hall, 1859a, p. 41. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543. Van Sant *in* Van Sant and Lane, 1964, p. 117. Webster, 1973, p. 166. Ausich and Kammer, 1991b, p. 936.

- Macrocrinus lagunculus* (Hall, 1859). Wachsmuth and Springer, 1897, p. 453, Pl. 35, fig. 4. Weller, S., 1898c, p. 340. Van Tuyl, 1925, p. 147, 152, Pl. 5, fig. 3. Bassler and Moodey, 1943, p. 543. Ausich and Kammer, 1991b, p. 936.
- Batocrinus lagunculus* (Hall, 1859). Miller, S. A., 1889, p. 228.
- Batocrinus jucundus* Miller and Gurley, 1890a, p. 20, Pl. 4, figs. 5-6. Miller and Gurley, 1890b, p. 20, Pl. 4, figs. 5-6. Miller and Gurley, 1891, p. 341, Pl. 4, figs. 5-6. Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543. Van Sant *in* Van Sant and Lane, 1964, p. 117. Webster, 1973, p. 166. Ausich and Kammer, 1991b, p. 936.
- Macrocrinus jucundus* (Miller and Gurley, 1890). Wachsmuth and Springer, 1897, p. 451, Pls. 4, fig. 15; 30, figs. 13-14. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 543. Moore and Laudon, 1944, p. 197, Pl. 76, fig. 18. Laudon, 1948, Pl. 2. Laudon, 1973b, p. 27, Fig. 3. Webster, 1973, p. 166. Webster, 1977, p. 107. Haugh, 1978, p. 166, Fig. 17, no. J. Lane *in* Moore and Teichert, 1978, p. T471, Fig. 276, no. 2. Webster, 1986, p. 193. Ausich and Kammer, 1991b, p. 936.
- Actinocrinus agnatus* Miller, S. A., 1891c (adv. pub.). Miller, S. A., 1892b, p. 663, Pl. 8, figs. 1-2. Bassler and Moodey, 1943, p. 543.
- Batocrinus agnatus* (Miller, 1891). Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 340. Ausich and Kammer, 1991b, p. 936.
- Batocrinus procerus* Miller and Gurley, 1895b, p. 33, Pl. 1, figs. 40-42. Miller, S. A., 1897, p. 738. Bassler and Moodey, 1943, p. 329. Ausich and Kammer, 1991b, p. 936.
- Actinocrinus similis* Hall, 1859a, p. 40. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328. Ausich and Kammer, 1991b, p. 936.
- Batocrinus similis* (Hall, 1859). Miller, S. A., 1889, p. 228. Ausich and Kammer, 1991b, p. 936.
- Mississippian, Viséan (late Osagean – Meramecian), Keokuk Limestone, Edwardsville Formation, Harrodsburg Formation, upper part of Warsaw Formation; Borden Group, Ramp Creek Formation. United States, Iowa, Indiana (Crawfordsville, Indian Creek), Illinois, Missouri

*Macrocrinus mundulus?* (Hall, 1859) = *Macrocrinus mundulus*

- Macrocrinus neglectus* (Meek and Worthen, 1868). Ausich and Kammer, 2010a, p. 45.
- Eretmocrinus neglectus* (Meek and Worthen, 1868). Miller, S. A., 1889, p. 243. Wachsmuth and Springer, 1897, p. 394, Pl. 36, fig. 3. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457.
- Batocrinus (Eretmocrinus) neglectus* Meek and Worthen, 1868b, p. 355. Meek and Worthen, 1873, p. 377, Pl. 5, fig. 3. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457.
- Batocrinus neglectus* (Meek and Worthen, 1868). Miller, S. A., 1889, p. 228. Miller, S. A., 1897, p. 737.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Macrocrinus rudis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.

- Batocrinus rudis* Miller and Gurley, 1896c, p. 52, Pl. 4, fig. 4. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Ausich and Kammer, 2010, p. 45.  
Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Kentucky
- Macrocrinus scitulus* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus scitulus* Miller and Gurley, 1897, p. 19, Pl. 1, figs. 10-11. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 331. Ausich and Kammer, 2010a, p. 45.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Macrocrinus sharonensis* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus sharonensis* Miller and Gurley, 1897, p. 18, Pl. 1, figs. 7-9. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Ausich and Kammer, 2010a, p. 45.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Macrocrinus shepardi* (Rowley, 1893). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus shepardi* Rowley, R. R., 1893b, p. 305, Pl. 14, fig. 3. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 331. Ausich and Kammer, 2010a, p. 45.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Macrocrinus springeri* Jaekel, 1895. Opitz, 1932, p. 111, Fig. 95.  
Devonian, Emsian, Dachschiefer. Germany
- Macrocrinus strotobasilaris* Ausich and Lane, 1982b, p. 1355, Pl. 2, figs. 1-8; Fig. 3. Webster, 1988, p. 107.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Macrocrinus sublaevis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.  
*Batocrinus sublaevis* Miller and Gurley, 1896c, p. 41, Pl. 2, figs. 12-14. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 332. Ausich and Kammer, 2010a, p. 45.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Macrocrinus tentor* (Laudon, 1933). Ausich and Kammer, 2010a, p. 45.  
*Eretmocrinus tentor* Laudon, 1933, p. 47, Pl. 2, figs. 3-6. Bassler and Moodey, 1943, p. 458. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 12. Laudon, Parks, and Spreng, 1952, p. 570, Pl. 67, fig. 24. Jacobson, 1970, p. 230, Pl. 1, fig. 1. Webster, 1973, p. 124. Webster, 1977, p. 79. Woodson, 1989, Frontise. Webster, 1993, p. 57.  
Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation, Banff Formation. United States, Iowa; Canada, Alberta
- Macrocrinus variabilis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 45.

*Batocrinus variabilis* Miller and Gurley, 1896, p. 58, Pl. 4, figs. 13-17. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 136. Bassler and Moodey, 1943, p. 333. Ausich and Kammer, 2010a, p. 45.

Mississippian, Viséan (Osagean), upper Burlington Limestone. United States, Iowa

*Macrocrinus verneuillianus* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 450, Pls. 5, fig. 7-8; 30, figs. 15-18. Weller, S., 1898c, p. 340. Grabau and Shimer, 1910, p. 546, Fig. 1875. Van Tuyl, 1925, p. 123, 130-131, Pl. 4, figs. 7-8. Bassler and Moodey, 1943, p. 544. Moore and Laudon, 1944, p. 197, Pl. 76, fig. 19. Lane, N. G., 1963d, p. 922, Fig. 3. Good, 1968, Pl. 1, fig. 9. Webster, 1973, p. 166. Haugh, 1975a, p. 483, Pls. 1, fig. 4; 2, figs. 1-5. Webster, 1977, p. 107. Wolf, 1979, p. 150, Fig. 1, no. j. Webster, 1986, p. 193. Miller et al., 2008, p. 262, Fig. 12.10, nos. 1-3.

*Actinocrinus verneuillianus* Shumard, 1855, p. 193, Pl. A, figs. 1a-1b. Billings, E., 1858, p. 30, Fig. 18. Shumard, 1868, p. 350. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 544.

*Batocrinus verneuillianus* (Shumard, 1855). Meek and Worthen, 1873, p. 328, Pl. 4, figs. 3-4. Meek, 1874, p. 371. Zittel, 1880, p. 334, Fig. 230. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 544.

*Eretmocrinus verneuillianus* (Shumard, 1855). Miller, S. A., 1889, p. 243, Fig. 299. Keyes, 1894a, p. 177, Pl. 23, fig. 9. Miller, S. A., 1897, p. 744. Weller, S., 1898c, p. 340. Bassler and Moodey, 1943, p. 544.

*Macrocrinus verneuillianus* (Shumard, 1855). Laudon, 1948, Pl. 2.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Weaubleau Breccia. United States, Missouri, Iowa, Illinois

*Macrocrinus verneuillianus* (Shumard, 1855) = *Macrocrinus verneuillianus*

*Macrocrinus* n. sp. Brower, 1970, p. 513, Pl. 67, fig. 6; Fig. 84, no. E. Webster, 1977, p. 107.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Macrocrinus* sp.

Lane, N. G., 1986, p. 157, Figs. 2, 8. Webster, 1993, p. 76.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana

Howell, 1995, p. 99, Pl. 3, fig. 5.

Mississippian. no locality given.

Greb et al., 2008, p. 17, Fig. unnumbered.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

**MACROSTYLOCRINUS** Hall, 1852. \**M. ornatus* Hall, 1852.

Sbc. Camerata, O. Monobathrida, Sbc. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae

Hall, 1852a, p. 203. Pictet, 1857, p. 329. Dujardin and Hupé, 1862, p. 150.

Bigsby, 1868, p. 21. Hall, 1879a, p. 128. Zittel, 1880, p. 344, 368. Wachsmuth

- and Springer, 1881, p. 96 (270). Hall, 1882b, p. 256. Miller, S. A., 1889, p. 259. Zittel, 1895, p. 128. Wachsmuth and Springer, 1897, p. 285. Bather *in* Lankester, 1900, p. 162. Wachsmuth *in* Zittel, 1900, p. 148. Weller, S., 1900, p. 92. Grabau and Shimer, 1910, p. 554, Fig. 1886. Bassler, 1915, p. 782. Springer *in* Zittel, 1926, p. 25. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 544. Moore and Laudon, 1943b, p. 98. Moore and Laudon, 1944, p. 200, Pl. 70, fig. 15. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 742. Ramsbottom, 1961, p. 20, Fig. 8. Brower, 1973, p. 363. Webster, 1973, p. 166. Kolata, 1976, p. 451. Frest and Strimple, 1977b, p. 280. Webster, 1977, p. 107. Ubaghs *in* Moore and Teichert, 1978, p. T508. Witzke and Strimple, 1981, p. 120. Eckert, 1984, p. 14. Webster, 1986, p. 193. Webster, 1988, p. 107. Lane and Ausich, 1995, p. 1101. Donovan et al., 2012, p. 202.
- LOVENIOCRINUS* Jaekel, 1918, p. 37. \**L. gotlandicus* Jaekel, 1918. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 541. Moore and Laudon, 1943b, p. 98. Ubaghs, 1953, p. 742. Webster, 1973, p. 165.
- Named, currently recognized species based on cups or crowns: 26 species. 3 Ordovician, 2 Katian, 1 Hirnantian; 22 Silurian, 4 Llandoveryan, 1 Llandoveryan – Wenlockian, 10 Niagaran, 4 Wenlockian, 1 Wenlockian – Pridoli, 2 Ludlovian; 1 Devonian, Lochkovian
- Ordovician, Hirnantian (Cincinnatian); Middle - Late Silurian, Llandoveryan – Ludlovian; Early Devonian, Lochkovian. North America
- Ordovician, Katian (Ashgillian); Silurian, Llandoveryan - Wenlockian. Europe
- Macrostylocrinus anglicus* Jaekel, 1918, p. 36, Fig. 26. Bassler and Moodey, 1943, p. 544. Donovan et al., 2008a, p. 39, Fig. 6, no. B.  
Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom
- Macrostylocrinus bornholmensis* Laursen, 1940, p. 32, Pl. 5, fig. 1. Webster, 1973, p. 166.  
Silurian, Wenlockian. Denmark
- Macrostylocrinus broweri* Frest and Strimple, 1977b, p. 280, Pl. 1, figs. 4-7. Webster, 1986, p. 193.  
Silurian, late Wenlockian - Pridoli, Henryhouse Formation. United States, Oklahoma
- Macrostylocrinus cirrifer* Ramsbottom, 1961, p. 20, Pl. 6, figs. 6-13. Brower, 1973, Pls. 64-65; Figs. 16-17, 19. Webster, 1973, p. 166. Brower, 1974b, p. 9, Fig. 6, nos. 1-2. Webster, 1977, p. 107. Webster, 1986, p. 193. Donovan, Paul, and Lewis, 1996, p. 215, Pl. 40, fig. 2. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. c-d. Hope et al., 2004, p. 37, Fig. 3.  
Ordovician, Katian (Ashgillian), upper part of Drummuck Group, Lady Burn Starfish Bed. United Kingdom, Scotland
- Macrostylocrinus compressus* Witzke and Strimple, 1981, p. 123, Pl. 3, figs. 20-21, Figs. 12, no. 7; 14, no. A. Webster, 1988, p. 107.

Silurian, late Llandoveryan, Hopkinton beds, *Cyrtia* Beds. United States, Iowa

*Macrostylocrinus fasciatus* (Hall, 1877). Miller, S. A., 1889, p. 259. Lesley, 1889, p. 378, Fig. 5-6. Wachsmuth and Springer, 1897, p. 288, Pl. 22, fig. 13. Bassler, 1915, p. 782. Springer, 1926a, p. 25, Pl. 4, figs. 9-9b. Bassler and Moodey, 1943, p. 544. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 7. Webster, 1973, p. 166. Frest and Strimple, 1977b, p. 280, Fig. 1, no. C. Webster, 1986, p. 193. Kahrs, 1995, p. 53, 2 Unnum. Figs.

*Cyathocrinus fasciatus* Hall, 1877, Pl. 13, figs. 5, 6. Hall, 1879a, p. 130, Pl. 13, figs. 5-6; Unnum. Fig. p. 131. Hall, 1882b, p. 258, Pl. 12, figs. 5-6; Unnum. Fig. p. 259. Miller, S. A., 1889, p. 235. Bassler, 1915, p. 782. Bassler and Moodey, 1943, p. 544.

Silurian, Niagaran, Waldron Shale, Beech River Formation; Waldron Shale. United States, Indiana, Tennessee

*Macrostylocrinus fusibrachiatus* Ringueberg, 1882, p. 119, Pl. 5, fig. 4. Miller, S. A., 1889, p. 259, Fig. 355. Wachsmuth and Springer, 1897, p. 291, Pl. 23, figs. 9-10. Bassler, 1915, p. 782. Bassler and Moodey, 1943, p. 544.

Silurian, Niagaran, Rochester Shale. United States, New York

*Macrostylocrinus gotlandicus* (Jaekel, 1918).

*Loveniocrinus gotlandicus* Jaekel, 1918, p. 36, Fig. 27. Bassler, 1938, p. 127. Bassler and Moodey, 1943, p. 541.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Macroatylocrinus granulatus* (Salter, 1873). Donovan et al., 2012, p. 202, PL. 52, Fig. 3.

Silurian, Wenlockian (Homerian), ?Much Wenlock Limestone Formation. United Kingdom, Scotland,

*Macrostylocrinus granulatus* (Hall, 1879). Wachsmuth and Springer, 1897, p. 289, Pl. 22, figs. 15a-15b. Bassler, 1915, p. 782. Springer, 1926a, p. 26, Pl. 4, figs. 10-13. Bassler and Moodey, 1943, p. 544. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 6. Webster, 1973, p. 167. Ubaghs in Moore and Teichert, 1978, p. T509, Fig. 309, nos. 2b-2c. Webster, 1986, p. 193.

*Macrostylocrinus striatus* var. *granulosus* Hall, 1879a, p. 129. Hall, 1882b, p. 258. Miller, S. A., 1889, p. 259, Fig. 356. Bassler, 1915, p. 782. Bassler and Moodey, 1943, p. 544.

Silurian, Niagaran, Waldron Shale. United States, Indiana, Tennessee

*Macrostylocrinus homalos* Lane and Ausich, 1995, p. 1103, Figs. 2.3, 5.3, 5.5.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana

*Macrostylocrinus indianensis* Miller and Gurley, 1895b, p. 33, Pl. 3, fig. 23. Miller, S. A., 1897, p. 748. Bassler, 1915, p. 782. Bassler and Moodey, 1943, p. 544.

*Patelliocrinus? indianensis* (Miller and Gurley, 1895). Springer, 1926a, p. 32. Bassler and Moodey, 1943, p. 544.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Macrostylocrinus? jefferiesi* Donovan and Lewis, 2008a, p. 65, Pls. 1-2; Fig. 3. Donovan et al., 2012, p. 205, Pls. 53, fig. 2; 55, fig. 1; Fig. 89.

Silurian, Wenlockian (Homerian), ?Much Wenlock Limestone Formation. United Kingdom, Scotland,

*Macrostylocrinus jordanensis* Eckert, 1984, p. 16, Pl. 10, figs. 6-8; Fig. 7. Webster, 1988, p. 107.

Silurian, Llandoveryian, Cabot Head Formation. Canada, Ontario

*Macrostylocrinus laevis* Springer, 1926a, p. 26, Pl. 4, figs. 14-19. Bassler and Moodey, 1943, p. 544. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 4. Strimple, 1963d, p. 108, Pl. 8, fig. 1. Brower, 1973, p. 404, Fig. 28. Webster, 1973, p. 167. Webster, 1977, p. 108.

Silurian, Niagaran, Beech River Formation; Henryhouse Formation. United States, Tennessee, Oklahoma

*Macrostylocrinus cf. laevis* Springer, 1926. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, Rockhouse Member. United States, Tennessee

*Macrostylocrinus meeki* (Lyon, 1862). Miller, S. A., 1889, p. 259. Wachsmuth and Springer, 1897, p. 290, Pl. 22, figs. 16a-16b. Bassler, 1915, p. 783. Springer, 1926a, p. 26, Pl. 4, figs. 20-22. Moore, 1939b, p. 231, Fig. 11, no. 4. Bassler and Moodey, 1943, p. 544.

*Actinocrinus meeki* Lyon, 1862, p. 411, Pl. 4, figs. 4a-4b. Shumard, 1868, p. 345. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 219. Bassler, 1915, p. 783. Bassler and Moodey, 1943, p. 544.

Silurian, Niagaran, Louisville Limestone, Beech River Formation. United States, Kentucky, Tennessee

*Macrostylocrinus obconicus* Weller, S., 1900, p. 95, Pl. 4, figs. 6-7. Bassler, 1915, p. 783. Bassler and Moodey, 1943, p. 545.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Macrostylocrinus ornatus* Hall, 1852a, p. 204, Pl. 46, figs. 4a-4g. Dujardin and Hupé, 1862, p. 150. Shumard, 1868, p. 361. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 259. Wachsmuth and Springer, 1897, p. 286, Pl. 23, figs. 8a-8c. Bassler, 1915, p. 783. Springer, 1926a, Pl. 4, fig. 24. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 545. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 11. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 13. Bowsher, 1955a, p. 8, Pl. 1, fig. 13. Brower, 1973, p. 403, Fig. 28. Webster, 1973, p. 167. Webster, 1977, p. 108. Ubaghs in Moore and Teichert, 1978, p. T508, Fig. 309, no. 2a. Brett, 1984, p. 92, Fig. 2, no. A. Webster, 1986, p. 193. Webster, 1988, p. 108. Taylor and Brett in Hess et al., 1999 p. 89, Fig. 104.

*Ctenocrinus ornatus* (Hall, 1852). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 783.



Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus*  
Beds. United States, New York

*Macrostylocrinus* sp. cf. *M. ornatus* Hall, 1852. Taylor and Brett, 1996, p. 133, Fig. 10,  
no. B.

Silurian, Wenlockian, Rochester Shale. United States, New York

*Macrostylocrinus pristinus* Brower, 1973, p. 371, Pls. 62-63; Figs. 20-21, 24a-24n;  
1974b, p. 15, Figs. 9, nos. 1-6; 17, nos. 1-13. Webster, 1977, p. 108. Brower in  
Moore and Teichert, 1978, p. T521, Fig. 197, nos. 1-8. Webster, 1986, p. 193.  
Ordovician, Hirnantian (Ashgillian), Girardeau Limestone. United States,  
Missouri, Illinois

*Macrostylocrinus? pustulosus* Springer, 1926a, p. 26, Pl. 4, figs. 25-25a. Bassler and  
Moodey, 1943, p. 545.

Silurian, Niagaran, Beech River Formation. United States, New York

*Macrostylocrinus* cf. *pustulosus* Springer, 1926. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, Rockhouse Member. United States,  
Tennessee

*Macrostylocrinus recumbens* Springer, 1926a, p. 35, Pl. 9, figs. 1-4. Bassler and  
Moodey, 1943, p. 545.

*Macrostylocrinus? recumbens* Springer, 1926. Ubaghs in Moore and Teichert,  
1978, p. T143, Fig. 113, no. 5. Webster, 1986, p. 193.

Devonian, Lochkovian, Ridgeley Sandstone. United States, Maryland

*Macrostylocrinus? recumbens* Springer, 1926 = *Macrostylocrinus recumbens*

*Macrostylocrinus semiradiatus* (Hall, 1864). Weller, S., 1900, p. 94, Pl. 4, fig. 9.  
Bassler, 1915, p. 783. Bassler and Moodey, 1943, p. 545.

*Actinocrinus (Saccocrinus) semiradiatus* Hall, 1864c, p. 379, Pl. 10(1), Fig. 1. Hall,  
1867b, p. 379, Pl. 10, fig. 1. Hall, 1870, p. 370, Pl. 10, fig. 1. Bassler, 1915, p.  
783. Bassler and Moodey, 1943, p. 545.

?*Macrostylocrinus semiradiatus* (Hall, 1864). Wachsmuth and Springer, 1897, p.  
289. Bassler and Moodey, 1943, p. 545.

*Periechocrinus semiradiatus* (Hall, 1864). Wachsmuth and Springer, 1881, p. 307  
(p. 133). Bassler, 1915, p. 783.

*Saccocrinus semiradiatus* (Hall, 1864). Miller, S. A., 1889, p. 279. Bassler, 1915,  
p. 783.

Silurian, Niagaran, Racine Dolomite. United States, New York, Wisconsin

?*Macrostylocrinus semiradiatus* (Hall, 1864) = *Macrostylocrinus semiradiatus*

*Macrostylocrinus silurocirrifer* Brower, 1975a, p. 635, Pls. 73, figs. 1-2, 4; 75, figs. 4-5;  
Fig. 1. Webster, 1986, p. 194. Clarkson and Harper, 2007, p. 32, Pl. 1. Donovan,  
Fernhead, and Lewis, 2007, p. 174, Pls. 31, figs. 1-2; 32, figs. 1-2; 33, figs. 1-2.  
Donovan et al., 2008a, p. 335, Fig. 15.1, nos. 1-2. Donovan et al., 2012, p. 203,

- Pls. 53, no. 54, figs. 1-2.  
 Silurian, Wenlockian, Much Wenloch Limestone Formation.  
 Silurian, late Llandoveryan, Telcyian, Reservoir Formation, Starfish Beds. United Kingdom, Scotland
- Macrostylocrinus striatus* Hall, 1863a, p. 13. Hall, 1864b, p. 207. Hall, 1864c, p. 327, Pl. 10, figs. 7-8. Hall, 1865a, p. 23, Pl. 1, figs. 7-8. Hall, 1867b, p. 327, Pl. 10, figs. 7-8. Shumard, 1868, p. 361. Bigsby, 1868, p. 21. Hall, 1870, p. 371, Pl. 10, figs. 7-8. Hall, 1879a, p. 129, Pl. 13, figs. 1-4. Hall, 1882b, Pl. 12, figs. 1-4. Miller, S. A., 1889, p. 259. Lesley, 1889, p. 378, figs. 1-4. Wachsmuth and Springer, 1897, p. 287, Pl. 22, figs. 14a-14c. Weller, S., 1900, p. 93, Pl. 4, figs. 10-11. Grabau and Shimer, 1910, p. 555. Bassler, 1915, p. 783. Bassler and Moodey, 1943, p. 545. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 11. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 5. Strimple, 1963d, p. 109, Pl. 8, fig. 2. Webster, 1973, p. 167.  
*Ctenocrinus striatus* (Hall, 1863). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 783.  
 Silurian, Niagaran, Waldron Shale, Racine Dolomite; Henryhouse Formation. United States, Indiana, Tennessee, Illinois, Oklahoma
- Macrostylocrinus* cf. *M. striatus* Hall, 1863. Witzke and Strimple, 1981, p. 124, Pl. 3, fig. 25; Figs. 12, no. 9; 13, no. 10. Webster, 1988, p. 108.  
 Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa
- Macrostylocrinus striatus* var. *granulosus* Hall, 1879 = *Macrostylocrinus granulosus*
- Macrostylocrinus styo* Lane and Ausich, 1995, p. 1101, Figs. 2.5-2.7, 3.3-3.4, 4.1-4.5, 5.1-5.2.  
*Glyptocrinus?* or *Petalocrinus?* Erdtmann and Prezbindowski, 1974, p. 354, Figs. 10.3, 10.6. Lane and Ausich, 1995, p. 1101.  
 Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana
- Macrostylocrinus subglobosus* Weller, 1900 = *Allocrinus subglobosus*
- Macrostylocrinus vermiculatus* Witzke and Strimple, 1981, p. 123, Pl. 3, figs. 22-24; Figs. 12, no. 8; 14, no. B. Webster, 1988, p. 108.  
 Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa
- Macrostylocrinus waldronensis* (Miller and Dyer, 1878) = *Dimerocrinus waldronensis* = *Dimerocrinites waldronensis*
- Macrostylocrinus wyomingensis* Kolata, 1976, p. 451, Figs. 10-11; Fig. 4. Webster, 1986, p. 194.  
 Ordovician, Katian (middle Cincinnati, Maysvillian), Bighorn Formation, Hunt Mountain Beds. United States, Wyoming
- Macrostylocrinus* n. sp. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, Rockhouse Member. United States, Tennessee

*Macrostylocrinus* sp. A Witzke and Strimple, 1981, p. 120, Pl. 3, figs. 5-7; Figs. 12, no. 1; 13, nos. 1-3. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Macrostylocrinus* sp. B Witzke and Strimple, 1981, p. 122, Pl. 3, figs. 8-9; Figs. 12, no. 2; 13, no. 4. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

*Macrostylocrinus* sp. C Witzke and Strimple, 1981, p. 122, Pl. 3, figs. 10-11; Figs. 12, no. 3; 13, no. 5. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

*Macrostylocrinus* sp. D Witzke and Strimple, 1981, p. 122, Pl. 3, figs. 12-15; Figs. 12, no. 4; 13, no. 6. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

*Macrostylocrinus* sp. E Witzke and Strimple, 1981, p. 123, Pl. 3, figs. 16-18; Figs. 12, no. 5; 13, nos. 7-8. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

*Macrostylocrinus* sp. F Witzke and Strimple, 1981, p. 123, Pl. 3, fig. 19; Figs. 12, no. 6; 13, no. 9. Webster, 1988, p. 108.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

*Maacrostylocrinus?* sp. Donovan et al., 2012, p. 206, Fig. 90.

Silurian, Llandoveryan, probably Haverford Mudstone Formation. United Kingdom, Wales

*Macrostylocrinus?* sp. indet. Donovan, 1993a, p. 11, Fig. 8.

*Macrostylocrinus* sp. Sevastopulo, et al., 1989. Donovan, 1993a, p. 11.

*Macrostylocrinus* sp. Donovan and Clark, 1992. Donovan, 1993a, p. 11.

Silurian, early Llandoveryan, Gasworks Mudstone or Gasworks Sandstone. United Kingdom, Wales

*Macrostylocrinus* sp. Sevastopulo, et al., 1989 = *Macrostylocrinus?* sp. indet.

*Macrostylocrinus* sp. Donovan and Clark, 1992 = *Macrostylocrinus?* sp. indet.

*Macrostylocrinus* sp. Eckert and Brett, 2001, p. 33, Pl. 1, fig. 24.

Silurian, middle Llandoveryan, Reynales Formation, Wallington Member:United States, New York

**MAENNILICRINUS** Rozhnov, 1988. \**M. concinnus* Rozhnov, 1988.

Sbc Disparida, O. Maenillicrinida, F. Maenillicrinidae

Rozhnov, 1988, p. 77. Rozhnov, 1989, p. 73. Webster, 1993, p. 76. Ausich, 1998b, p. 36

Named, currently recognized species based on cups or crowns: 1 Ordovician, Dapingian species

Ordovician, Dapingian. Estonia

\**Maenillicrinus concinnus* Rozhnov, 1988, p. 77, Pl. 7, figs. 6; Fig. 3, no. e. Rozhnov, 1989, p. 73, Pl. 7, fig. 6; Fig. 3, no. e. Webster, 1993, p. 76.

Ordovician, Dapingian, Volkhov Horizon. Estonia

**MAEVECRINUS** Ausich and Sevastopulo, 2001. \**Maevecrinus bothros* Ausich and Sevastopulo, 2001.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Ausich and Sevastopulo, 2001, p. 100.

Named, currently recognized species based on cups or crowns: 2 Mississippian Tournaisian species

Mississippian, late Tournaisian, Hook Head Formation. Ireland

\**Maevecrinus bothros* Ausich and Sevastopulo, 2001, p. 100, Pl. 11, figs. 1, 3-4; Fig. 12, nos. I, L-M.

*Ophiurocrinus dactyloides* Austin and Austin); Wright, 1950 (part). Ausich and Sevastopulo, 2001, p. 100.

Mississippian, late Tournaisian, Hook Head Formation, Supradolomite Beds, *Linoproductus* Beds, *Chonetes* Beds. Ireland

*Maevecrinus sladensis* Ausich and Sevastopulo, 2001, p. 102, Pl. 11, figs. 2, 5; Fig. 12, no. D.

*Cosmetocrinus* sp. Wright, J., 1951a, p. 41, Pl. 10, fig. 7. Webster, 1973, p. 85. Ausich and Sevastopulo, 2001, p. 102.

Mississippian, late Tournaisian, Hook Head Formation, Supradolomite Beds, ?*Chonetes* Beds. Ireland

**MAGESTOCRINUS** Lyon, 1862 = **MEGISTOCRINUS**

*Magestocrinus knappi* Lyon, 1862 = *Megistocrinus knappi*

**MAGNUSCRINUS** Ausich and Kammer, 2010a. \**Eretmocrinus yandelli* Shumard, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Ausich and Kammer, 2010a, p. 47.

Named, currently recognized species based on cups or crowns: 4 Mississippian, Viséan species

Mississippian, Viséan (middle – late Osagean). United States

- Magnuscrinus celsus* (Miller and Gurley, 1894). Ausich and Kammer, 2010a, p. 47.  
*Alloprosalloocrinus celsus* Miller and Gurley, 1894b, p. 47, Pl. 4, figs. 9-11. Miller, S. A., 1897, p. 734. Weller, S., 1898c, p. 75. Bassler and Moodey, 1943, p. 295. Ausich and Kammer, 2010a, p. 47.  
 Mississippian, Viséan (Osagean), Ft. Payne Chert, Keokuk Limestone. United States, Kentucky
- Magnuscrinus preaeogravis* (Miller, 1892). Ausich and Kammer, 2010a, p. 47.  
*Eretmocrinus praeogravis* Miller, S. A., 1892a, p. 678. Miller, S. A., 1892c, p. 37, Pl. 6,  
 6,  
 figs. 5-6 Miller, S. A., 1894, p. 291, Pl. 6, figs. 5-6. Wachsmuth and Springer, 1897, p. 405, Pl. 34, figs. 9-10. Miller, S. A., 1897, p. 744, Fig. 1350. Weller, S., 1898c, p. 251. Bassler and Moodey, 1943, p. 457. Wilson, C. W., 1948, p. 166, Pl. 29, fig. 21. Webster, 1977, p. 79. Ausich and Meyer, 1994, p. 362, Fig. 1, no. D. Ausich, 2009a, p. 486, suppl. p. 19. Ausich and Kammer, 2010a, p. 47.  
*Actinocrinites cornutus* Troost, 1850a, p. 60. Troost, 1850b, p. 419. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 251. Wood, E., 1909, p. 66. Bassler and Moodey, 1943, p. 457.  
 Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee, Kentucky
- Magnuscrinus spinosus* (Miller and Gurley, 1895)/ Ausich and Kammer, 2010a, p. 47.  
*Eretmocrinus spinosus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 458.  
 Ausich, 2009a, p. 486, suppl. p. 20. Ausich and Kammer, 2010a, p. 47.  
*Batocrinus spinosus* Miller and Gurley, 1895a, p. 5, Pl. 1, figs. 1-3. Miller, S. A., 1897, p. 739, Fig. 1319. Weller, S., 1898c, p. 134. Bassler and Moodey, 1943, p. 458.  
*Actinocrinites marineri* Troost in Wood, E., 1909, p. 67. Bassler and Moodey, 1943, p. 458.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- \**Magnuscrinus yandelli* (Shumard, 1858). Ausich and Kammer, 2010a, p. 47.  
*Eretmocrinus yandelli* (Shumard, 1857). Bassler and Moodey, 1943, p. 458. Laudon, 1948, Pl. 2. Webster, 1973, p. 124. Kammer, 1984, p. 119, Fig. 2, no. B. Webster, 1988, p. 83. Ausich and Kammer, 2010a, p. 47.  
*Actinocrinus yandelli* Shumard, 1857, p. 76, Pl. 1, figs. 4a-4b. Shumard, 1868, p. 350. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 333. Bassler and Moodey, 1943, p. 458.  
*Lobocrinus yandelli* (Shumard, 1857). Wachsmuth and Springer, 1897, p. 441, Pl. 30, figs. 7a-7b. Weller, S., 1898c, p. 333. Moore, 1939b, p. 199, Fig. 8, nos. 4a-4b (basal circlet). Bassler and Moodey, 1943, p. 458.  
*Batocrinus yandelli* (Shumard, 1857). Miller, S. A., 1889, p. 228.  
*Batocrinus prodigialis* Miller and Gurley, 1895b, p. 39, Pl. 3, figs. 4-6. Miller, S. A., 1897, p. 738, Fig. 1318. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Kammer, 1984, p. 119.  
*Eretmocrinus prodigialis* (Miller and Gurley, 1895). Kammer, 1984, p. 119.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Indiana, Kentucky, Tennessee

**MALAIOCRINUS** Wanner, 1924. \**Zeacrinus? sundaicus* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F. Pelecocrinidae

Wanner, 1924, p. 177. Bassler, 1938, p. 128. Moore and Plummer, 1940, p. 98. Bassler and Moodey, 1943, p. 545. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948, p. 200. Webster, 1973, p. 167. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661. Webster, 1986, p. 194. Webster, 1990, p. 64. Webster, 1993, p. 76.

Named, currently recognized species based on cups or crowns: 4 species. 1

Pennsylvanian, Desmoinesian; 3 Permian, series uncertain

Pennsylvanian, Desmoinesian. United States

Permian, series uncertain. West Timor

*Malaiocrinus azygous* Strimple, 1949 = *Schistocrinus azygous* = *Anobasicrinus azygous*

*Malaiocrinus crassitesta* Wanner, 1924, p. 184, Pl. 9, figs. 1-3. Bassler and Moodey, 1943, p. 545. Branson, C. C., 1948, p. 200. Moore, 1962b, p. 24, Fig. 13, no. 4. Webster, 1973, p. 167.

Permian, series uncertain. West Timor, Basleo

*Malaiocrinus parviusculus* Moore and Plummer, 1940, p. 100, Pl. 14, fig. 6. Bassler and Moodey, 1943, p. 545.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Oologah Limestone. United States, Texas, Oklahoma

*Malaiocrinus pusillus* Wanner, 1937, p. 142, Pl. 9, figs. 35-36; 10, fig. 1; Fig. 40.

Bassler and Moodey, 1943, p. 545. Branson, C. C., 1948, p. 200.

Permian, series uncertain. West Timor, Basleo

\**Malaiocrinus sundaicus* (Wanner, 1916). Wanner, 1924, p. 183. Moore and Plummer, 1940, p. 99, Fig. 11. Bassler and Moodey, 1943, p. 546. Branson, C. C., 1948, p. 200. Moore, 1962b, p. 24, Fig. 13, no. 3. Webster, 1973, p. 167. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661, Fig. 432, no. 1.

*Zeacrinus? sundaicus* Wanner, 1916, p. 147, Pl. 101 (6), fig. 12. Bassler, 1938, p. 128. Bassler and Moodey, 1943, p. 546. Branson, C. C., 1948, p. 200.

Permian, series uncertain. West Timor, Basleo

**MALIGNEOCRINUS** Laudon, Parks, and Spreng, 1952. \**M. medicinensis* Laudon, Parks, and Spreng, 1952.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, Actinocrinitidae

Laudon, Parks, and Spreng, 1952, p. 564. Webster, 1973, p. 167. Macurda, 1974, p. 823, Figs. 1-2. Bowsher *in* Moore and Teichert, 1978, p. T458. Webster, 1986, p. 194. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 76.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species  
Mississippian, Tournaisian (late Kinderhookian). Canada

\**Maligneocrinus medicinensis* Laudon, Parks, and Spreng, 1952, p. 566, Pls. 67, figs. 12-15; 69, fig. 26. Webster, 1973, p. 167. Bowsher *in* Moore and Teichert, 1978, p. T458, Fig. 264, no. 3. Webster, 1986, p. 194.  
Mississippian, Tournaisian (late Kinderhookian), Banff Formation. Canada, Alberta

**MANDELACRINUS** Jell and Theron, 1999. \**Mandelacrinus nelsoni* Jell and Theron, 1999.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Jell and Theron, 1999, p. 129.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian. South Africa

\**Mandelacrinus nelsoni* Jell and Theron, 1999, p. 130, Figs. 13-14.  
Devonian, Emsian, Gydo Formation. South Africa

**MANICRINUS** Frest and Strimple, 1978. \**Manicrinus hybocriniformis* Frest and Strimple, 1978.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Manicrinidae

Frest and Strimple, 1978b, p. 16. Frest and Strimple, 1982, p. 724. Webster, 1986, p. 194. Webster, 1988, p. 108.

Named, currently recognized species based on cups or crowns: 3 Silurian species, 2 Wenlockian, 1 Ludlovian

Silurian, Wenlockian - Ludlovian. United States

*Manicrinus erectus* Frest and Strimple, 1982, p. 726, Pl. 1, figs. 5, 8-11. Webster, 1988, p. 109.

Silurian, Wenlockian, Waldron Shale. United States, Indiana

\**Manicrinus hybocriniformis* Frest and Strimple, 1978b, p. 169, Pl. 1, figs. a-e; Figs. 1; 2, no. a; 3. Frest and Strimple, 1982, p. 724, Pl. 1, figs. 12-17; Fig. 4, no. A. Webster, 1986, p. 194. Webster, 1988, p. 109.

Silurian, Ludlovian, Brownsport Formation. United States, Tennessee

*Manicrinus waldronensis* Frest and Strimple, 1982, p. 724, Pl. 1, figs. 1-4, 6-7; Fig. 4, no. B. Webster, 1988, p. 109.

Silurian, Wenlockian, Waldron Shale. United States, Indiana

*Manicrinus* sp. Frest and Strimple, 1982, p. 726, Fig. 5.

Silurian, Wenlockian - Ludlovian, Racine Dolomite. United States, Illinois

**MANILLACRINUS** Campbell and Bein, 1971. \**Cactocrinus brownei* Dun and Benson, 1920.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae  
 Campbell and Bein, 1971, p. 427. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 108. Cowen, 1981, p. 339. Webster and Lane, 1987, p. 12. Webster, 1988, p. 109. Webster, 1993, p. 77. Webster and Jell, 1999a, p. 248.  
**MANILLOCRINUS** Bowsher *in* Moore and Teichert, 1978, p. T458. Webster, 1986, p. 194  
 Named, currently recognized species based on cups or crowns: 2 Mississippian, Tournaisian species  
 Mississippian, Tournaisian. Australia

*Manillacrinus acanthus* Webster and Jell, 1999a, p. 250, Figs. 7, nos. A-D; 8, A-C. Mississippian, late Tournaisian, Namoi Formation. Australia, New South Wales

\**Manillacrinus brownei* (Dun and Benson, 1920). Campbell and Bein, 1971, p. 427, Pl. 50, figs. 1-7; Fig. 7. Webster, 1977, p. 108. Webster and Jell, 1999a, p. 248, Figs. 5, no. H; 6, no. A.

*Cactocrinus? brownei* Dunn and Benson, 1920, p. 342, Pl. 19, fig. 1. Bassler and Moodey, 1943, p. 341. Campbell and Bein, 1971, p. 427. Webster, 1977, p. 108.

*Manillocrinus brownei* (Dun and Benson, 1920). Bowsher *in* Moore and Teichert, 1978, p. T458, Fig. 265, no. 1. Webster, 1986, p. 194.

Mississippian, Tournaisian, Namoi Formation; Malchi Formation. Australia, New South Wales, Queensland

*Manillacrinus* sp. Campbell and Bein, 1971, p. 430, Pl. 49, figs. 25-26. Webster, 1977, p. 108.

Mississippian, (Cull), Tournaisian, Goonoo Goonoo Formation. Australia, New South Wales

**MANILLOCRINUS** Bowsher *in* Moore and Teichert, 1978 = **MANILLACRINUS**

*Manillocrinus brownei* (Dun and Benson, 1920) = *Manillacrinus brownei*

**MANOCRINUS** Haude, 2004. \**Manocrinus maldigitus* Haude, 2004.

Sbc. Cladida, O. Cyathocrinida, F. Euspirocrinidae?

Haude, 2004a, p. 419.

Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian - Emsian species

Early Devonian, Lochkovian – Emsian?. Argentina

\**Manocrinus maldigitus* Haude, 2004a, p. 419, Fig. 2, nos. A-B.

Devonian, Lochkovian – Emsian?, Talacasto Formation. Argentina

**MANTICRINUS** Ausich, 1986. \**M. exaitos* Ausich, 1986.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Marsupiocrinidae



Ausich, 1986e, p. 892. Webster, 1993, p. 77.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, late early or middle Llandoveryan: United States, Ohio

\**Manticrinus exaitos* Ausich, 1986e, p. 892, Figs. 2, nos. 4-8, 10-11; 3. Webster, 1993,  
p. 77.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United  
States, Ohio

**MANTIKOSOCRINUS** Strimple, 1951. \**M. castus* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Strimple, 1951f, p. 673. Strimple and Watkins, 1969, p. 161. Strimple and Moore,  
1971a, p. 24. Webster, 1973, p. 167. Webster, 1977, p. 108. Moore and Strimple  
*in* Moore and Teichert, 1978, p. T698, fig. 457. Webster, 1981, p. 1193, Fig. 1.  
Webster, 1986, p. 195. Webster, 1988, p. 109. Lane and Sevastopulo, 1990, p.  
336. Webster, 1993, p. 77.

Named, currently recognized species based on cups or crowns: 3 Mississippian  
species, 1 Viséan, 2 Serpukhovian

Mississippian, late Viséan. United Kingdom, Scotland

Mississippian, Serpukhovian (early Chesterian). United States

\**Mantikosocrinus castus* Strimple, 1951f, p. 674, Pl. 98, figs. 11-13. Strimple, 1961a, p.  
23, Fig. 1. Webster, 1973, p. 167. Moore and Strimple *in* Moore and Teichert,  
1978, p. T698, Fig. 459, nos. 1a-1b. Webster, 1986, p. 195.

Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
Oklahoma

*Mantikosocrinus hemisphericus* (Worthen, 1882). Webster, 1981, p. 1198. Strimple,  
1978b, p. 494, Fig. 1. Webster, 1986, p. 195. Webster, 1988, p. 109.

*Agassizocrinus hemisphericus* Worthen, 1882, p. 37. Worthen, 1883, p. 316, Pl. 29,  
fig. 7. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 195. Bassler and Moodey,  
1943, p. 291. Wright and Strimple, 1945, p. 222. Webster, 1973, p. 178.

Strimple,

1978b, p. 494. Webster, 1981, p. 1198. Webster, 1986, p. 195. Webster, 1988,  
p.

109.

*Cromyocrinus hemisphericus* (Worthen, 1882). Weller, S., 1898c, p. 195.

*Mooreocrinus hemisphericus* (Worthen, 1882). Wright and Strimple, 1945, p. 222.

Webster, 1973, p. 178. Strimple, 1978b, p. 494. Webster, 1986, p. 195.

Mississippian, Serpukhovian (Chesterian), Menard Formation. United States, Illinois

*Mantikosocrinus wrighti* (Yakovlev and Ivanov, 1956). Strimple, 1966a, p. 5. Webster,  
1973, p. 167. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig.

459, nos. 1c-1d. Webster, 1986, p. 195.

*Dicromyocrinus wrighti* Yakovlev and Ivanov, 1956, p. 20. Strimple, 1966a, p. 5.

Webster, 1973, p. 167.

*Dicromyocrinus geminatus* Wright, J., 1952a, p. 111, Pl. 12, figs. 23-25. Webster, 1973, p. 167.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

**MAQUOKETOCRINUS** Slocum *in* Slocum and Foerste, 1924. \**M. ornatus* Slocum, 1924.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Slocum, 1924, p. 328. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 546.

Moore and Laudon, 1943b, p. 82. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 167. Ubaghs *in* Moore and Teichert, 1978, p. T427. Webster, 1986, p. 195.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Richmondian). United States, Iowa

\**Maquoketocrinus ornatus* Slocum *in* Slocum and Foerste, 1924, p. 330, Pl. 30, figs.

12-13. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 546. Ubaghs *in* Moore and Teichert, 1978, p. T427, Fig. 237, no. 2. Webster, 1986, p. 195.

Ordovician, Katian (Richmondian), lower part of Maquoketa Formation, Elgin Shale. United States, Iowa

**MARAGNICRINUS** Whitfield, 1905. \**M. portlandicus* Whitfield, 1905.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Rhenocrinidae

Whitfield, 1905, p. 17. Springer, 1913, p. 222. Goldring, 1923, p. 384. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 546. Moore and Laudon, 1943b, p. 54. Moore and Laudon, 1944, p. 157. Webster, 1973, p. 167. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T638. Webster, 1986, p. 195. Webster et al., 2003, p. 15.

Named, currently recognized species based on cups or crowns: 1 Devonian, Frasnian species

Devonian, Frasnian. United States, New York

\**Maragnicrinus portlandicus* Whitfield, 1905, p. 18, Pls. 1-4. Springer, 1913, p. 222.

Goldring, 1923, p. 384. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 546. Moore and Laudon, 1944, p. 157, Pl. 57, fig. 12. Webster, 1973, p. 167.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T638, Fig. 416, no. 4. Webster, 1986, p. 195.

*Cyathocrinites ornatissimus* Hall, 1843a, p. 247 (part). Goldring, 1923, p. 384.

*Cyathocrinus ornatissimus* (Hall, 1843). Bassler and Moodey, 1943, p. 546.

*Scytalocrinus ornatissimus* Clarke, 1904, p. 348, Pl. F. Bassler and Moodey, 1943, p. 546.

Devonian, Frasnian, Portage Shale, Naples Bed. United States, New York

*Maragnicrinus?* sp. Webster, 1997, p. 23.

*Bridgerocrinus* sp. Waisfeld, 1989, p. 274, Figs. 3; 4, nos. a-b; 5, no. A. Webster, 1993, p. 32. Webster, 1997, p. 23.

Devonian, Talacasto Formation. Argentina

**MARATHONOCRINUS** Moore and Plummer, 1940. \**M. bakeri* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Texacrinidae

Moore and Plummer, 1940, p. 240. Bassler and Moodey, 1943, p. 546. Moore and Laudon, 1943b, p. 56. Webster, 1973, p. 167. Moore and Strimple *in* Moore and Teichert, 1978, p. T737. Webster, 1986, p. 195.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Atokan species

Pennsylvanian, Atokan. United States, Texas

\**Marathonocrinus bakeri* Moore and Plummer, 1940, p. 242, Pl. 21, fig. 2; Fig. 54. Bassler and Moodey, 1943, p. 546. Moore and Strimple *in* Moore and Teichert, 1978, p. T737, Fig. 487, no. 4. Webster, 1986, p. 196. Pennsylvanian, Atokan, Haymond Formation. United States, Texas

*Marathonocrinus moorei* Lane and Webster, 1966 = *Exocrinus moorei*

*Marathonocrinus?* n. sp. Webster et al., 2009, p. 672, Fig. 7, no. b (not db as given p. 672).

Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island

**MARGIOCRINUS** Donovan in Donovan et al., 2011. \**Iocrinus shelvensis* Ramsbottom, 1961.

C. Crinoidea, Sbc. Disparida, O. Myelodactylida, F. Iocrinidae  
Donovan *in* Donovan et al., 2011, p. 531

Named, currently recognized species based on cups or crowns: 3 zordovician, Darriwilian (Llanvirnian – Cardocian) species. United Kingdom, Wales

*Margoiocrinus brithdirensis* (Bates, 1965). Donovan *in* Donovan et al., 2011, p. 531.  
*Iocrinus brithdirensis* Bates, 1965, p. 355, Pl. 45. Webster, 1973, p. 157.  
Ordovician, Darriwilian (Llanvirnian). United Kingdom, Wales

\* *Iocrinus shelvensis* Ramsbottom, 1961, p. 3, Pl. 1, figs. 3-8. Webster, 1973, p. 157.  
cf. *Caleidocrinus* Whittard, 1931. Ramsbottom, 1961, p. 3. Webster, 1973, p. 157.  
Fone et al., 2002, p. 104, Pls. 3, figs. 7-8; f, figs. 5-8, Fig. 1, nos. A-C. Donovan *in* Donovan et al., 2011, p. 531.  
Ordovician, Darriwilian (Llanvirnian), Meadowtown Formation, Weston Stage.  
United Kingdom, Wales

*Margoiocrinus whitteryi* (Ramsbottom, 1961). Donovan *in* Donovan et al., 2011, p. 531.  
*Iocrinus whitteryi* Ramsbottom, 1961. Donovan and Gale, 1989, p. 319, Fig. 5.  
Webster, 1993, p. 74. Donovan, Paul, and Lewis, 1996, p. 205, P. 39, fig. 6.  
Ordovician, Sandbian – Katian (Caradocian), Chirbury Formation, Whittery Shale Member. United Kingdom, Wales

**MARHOUMACRINUS** Prokop and Petr, 1987. \**M. legrandi* Prokop and Petr, 1987.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Scyphocrinitoidea, F.  
Scyphocrinitidae

Prokop and Petr, 1987a, p. 3, Fig. 3, no. b. Prokop and Petr, 1989b, p. 51. Haude,  
1992, p. 173. Webster, 1993, p. 77. Prokop and Petr, 1994b, p. 34.

Named, currently recognized species based on cups or crowns: 3 species. 1  
Silurian, Pridoli; 1 Silurian – Devonian, Pridoli – Lochkovian; 1 Devonian,  
Lochkovian

Silurian, Pridoli. Czech Republic, China

Silurian, late Pridoli - Early Devonian, early Lochkovian. Algeria, Morocco;  
France

Devonian, Lochkovian. United States

*Marhoumacrinus bohemicus* Prokop and Petr, 1989b, p. 51, Pl. 3, fig. 1; Fig. 2. Prokop  
and Petr, 1990, p. 26. Webster, 1993, p. 77.

*Scyphocrinus excavatus* var. *typ.* Waagen and Jahn, 1899 (part). Prokop and Petr,  
1989b, p. 51. Prokop and Petr, 1990, p. 26 (partial calyx). Webster, 1993, p. 77.  
Silurian, Pridoli, Pridoli Formation. Czech Republic, Bohemia

\**Marhoumacrinus legrandi* Prokop and Petr, 1987a, p. 5, Pls. 1-8; Figs. 2, 4-11. Prokop  
and Petr, 1990, p. 31, 32, Pl. 3, fig. 1. Haude, 1992, p. 174. Webster, 1993, p.  
77.

Haude, 1999, p. 281, Fig. 1. Hess *in* Hess et al., 1999 p. 97, Fig. 110.

*Scyphocrinites stellatus-mutabilis* (Hall - Springer) - Alleman, 1958 (part), Pl. 14,  
fig. 1. Le Maitre and Heddebaut, 1963, p. 273. Webster, 1973, p. 238. Haude,  
1972, p. 97 (part) . Haude, 1981, p. 193, Figs. 7, no. c; 13, no. A. Haude, 1992,  
p. 174.

*Marhoumacrinus* cf. *legrandi* Prokop and Petr, 1987. Haude, 1992, p. 174.

Silurian, late Pridoli - Devonian, early Lochkovian. Algeria; Morocco;  
France, Pyrenees

*Marhoumacrinus* cf. *legrandi* Prokop and Petr, 1987 = *Marhoumacrinus legrandi*

*Marhoumacrinus pyburnensis* (Springer, 1917). Prokop and Petr, 1987a, p. 4.  
Webster, 1993, p. 77.

*Scyphocrinus pyburnensis* Springer, 1917, p. 52, Pls. 7, figs. 2a-2b, 3; 8, figs. 6a-7.  
Bassler and Moodey, 1943, p. 575.

*Scyphocrinites pyburnensis* (Springer, 1917). Bassler and Moodey, 1943, p. 575.  
Prokop and Petr, 1987a, p. 4. Chen and Yao, 1990, p. 232, Pl. 1, fig. 2. Chen  
and

Yao, 1993, p. 37, Pl. 7, figs. 5-6. Webster, 1993, p. 77.

Silurian, "*Camarocrinus*" Bed. China, Shidian County, Yunnan Province

Devonian, Lochkovian, Linden Formation, Birdsong Shale Member, Ross Limestone  
Member. United States, Tennessee

*Marhoumacrinus* n. sp.? Haude, 1992, p. 176, Pl. 6, figs. F-J; Fig. 15, nos. A-B.

*Scyphocrinus subornatus* Barrande - Schmidt, 1931, p. 39. Haude, 1992, p. 176.

Silurian - Devonian boundary. Eastern Pyrenees

*MARIACRINUS* Hall, 1858 = ***CTENOCRINUS***

*Mariacrinus (Technocrinus) andrewsi* Hall, 1859 = *Technocrinus andrewsi*

*Mariacrinus aureatus* Miller, 1891 = *Alisocrinus aureatus*

*Mariacrinus beecheri* Talbot, 1905 = *Ctenocrinus nobilissimus*

*Mariacrinus carleyi* Hall, 1882 = *Alisocrinus carleyi*

*Mariacrinus carleyi* Springer, 1926 = *Alisocrinus laevis*

*Mariacrinus granulatus* Miller, 1891 = *Ctenocrinus granulatus*

*Mariacrinus harrisi* Wachsmuth and Springer, 1885 = *Compsocrinus harrisi*

*Mariacrinus? insuetus* Raymond, 1912 (sic), p. 79, Figs. 1-2. Bassler and Moodey, 1943, p. 547.

Devonian, Famennian, Three Forks Shale. United States, Montana

*Mariacrinus macropetalus* Hall, 1859 = *Clonocrinus? macropetalus*

*Mariacrinus? mundus* Whidborne, 1899 = *Hydriocrinus mundus* = *Sostronocrinus mundus*

*Mariacrinus? (Mariacrinus) mundus* Whidborne, 1899 = *Hydriocrinus mundus*

*Mariacrinus nobilissimus* Hall, 1859 = *Melocrinites nobilissimus* = *Ctenocrinus nobilissimus*

*Mariacrinus pachydactylus* (Conrad); Wells, 1963 = *Melocrinites pachydactylus* = *Ctenocrinus pachydactylus*

*Mariacrinus paucidactylus* Hall, 1859 = *Melocrinites paucidactylus* = *Ctenocrinus paucidactylus*

*Mariacrinus penniger* Salter, ms. Bigsby, 1868, p. 21 (attributes authorship to Salter as ms).

Late Silurian, series not given. United Kingdom

*Mariacrinus plumosus* Hall, 1859 = *Ctenocrinus pachydactylus* = *Melocrinites plumosus*

*Mariacrinus polydactylus* (Bonny, 1837) = *Ctenocrinus pachydactylus*

*Mariacrinus ramosus* Hall, 1859 = *Ctenocrinus nobilissimus*

- Mariacrinus*(??) *rotundus* Springer, 1926 = *Abathocrinus rotundus*
- Mariacrinus* (*Technocrinus*) *sculptus* Hall, 1859 = *Technocrinus sculptus*
- Mariacrinus* (*Technocrinus*) *spinulosus* Hall, 1859 = *Technocrinus spinulosus*
- Mariacrinus stoloniferus* Hall, 1859 = *Ctenocrinus stoloniferus*
- Mariacrinus* (*Technocrinus*) *striatus* Hall, 1859 = *Technocrinus striatus*
- Mariacrinus warreni* Ringuenberg, 1888 = *Alisocrinus warreni*
- Mariacrinus* sp. Delage and Herouard, 1903, p. 383, Fig. 466.  
Silurian. United States
- Mariocrinus?* [sic] *mundus* Whidborne, 1898 = *Sostronocrinus mundus*
- MARSIPOCRINUS** Bather, 1889 = **MARSUPIOCRINITES** = **MARSUPIOCRINUS**
- Marsipocrinus chicagoensis* (Weller, 1900) = *Marsupiocrinus chicagoensis*
- Marsipocrinus coelatus* (Phillips, 1839) = *Marsupiocrinus coelatus* = *M.*  
(*Marsupiocrinus*) *coelatus*
- Marsipocrinus concavus* Springer, 1926 = *Marsupiocrinus concavus*
- Marsipocrinus corrugatus* (Troost, 1850) = *Marsupiocrinus corrugatus*
- Marsipocrinus excavatus* Springer, 1926 = *Marsupiocrinus excavatus* = *M.*  
(*Amarsupiocrinus*) *excavatus*
- Marsipocrinus inflatus* (Troost, 1850) = *Marsupiocrinus inflatus* = *M.* (*Amarsupiocrinus*)  
*inflatus*
- Marsipocrinus magnificus* (Troost, 1850) = *Marsupiocrinus magnificus* = *M.*  
(*Amarsupiocrinus*) *magnificus*
- Marsipocrinus pentagonalis* (Troost, 1850) = *Marsupiocrinus pentagonalis* = *M.*  
(*Amarsupiocrinus*) *pentagonalis*
- Marsipocrinus praematurus* (Hall and Whitfield, 1875) = *Marsupiocrinus*  
(*Amarsupiocrinus*) *praematurus*
- Marsipocrinus rosaeformis* (Troost, 1850) = *Marsupiocrinus rosaeformis* = *M.*  
(*Amarsupiocrinus*) *rosaeformis*

*Marsipocrinus stellatus* (Troost, 1850) = *Marsupiocrinus stellatus* = *M. stellatus stellatus*  
= *M. (Amarsupiocrinus) stellatus stellatus*

*Marsipocrinus striatissimus* Springer, 1926 = *Marsupiocrinus striatissimus* = *M.*  
*(Amarsupiocrinus) striatissimus*

*Marsipocrinus striatus* Springer, 1926 = *Marsupiocrinus (Amarsupiocrinus) striatus*

*Marsipocrinus tennesseensis* (Roemer, 1860) = *Marsupiocrinus (Amarsupiocrinus)*  
*tennesseensis*

*Marsipocrinus tennesseensis* Springer, 1926 = *Marsupiocrinus (Amarsupiocrinus)*  
*rosaeformis*

*Marsipocrinus tentaculatus* (Hall, 1859) = *Marsupiocrinus (Marsupiocrinus) tentaculatus*

*Marsipocrinus turbinatus* Springer, 1926 = *Marsupiocrinus turbinatus*

*Marsipocrinus verneuili* (Troost, 1850) = *Marsupiocrinus verneuili* = *Marsupiocrinus*  
*(Amarsupiocrinus) verneuili*

Marsupiocrinidae n. gen., n. sp. Clement and Broadhead, 1994, p. 47.  
Silurian, Pridoli, Decatur Formation. United States, Tennessee

**MARSUPIOCRINITES** Phillips, 1839 = **MARSUPIOCRINUS**

*Marsupiocrinites caelatus* (Phillips, 1839). Forbes, 1872 = *Marsupiocrinus coelatus*

*Marsupiocrinites coelatus* Phillips in Murchison, 1839 = *Marsupiocrinus coelatus* = *M.*  
*(Marsupiocrinus) coelatus*

*Marsupiocrinites? dactylus* Hall, 1843 = \**Lyriocrinus dactylus*

***Marsupiocrinites (Marsupiocrinites)*** Frest, 1975 = ***Marsupiocrinus***  
***(Marsupiocrinus)***

*Marsupiocrinites (M) coelatus* Phillips, 1839 = *Marsupiocrinus (Marsupiocrinus)*  
*coelatus*

**MARSUPIOCRINUS** Morris, 1843. \**Marsupiocrinites coelatus* Phillips in Murchison,  
1839.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
Marsupiocrinidae

Morris, J., 1843, p. 54. M'Coy, 1854, p. 54. Pictet, 1857, p. 332. Salter, 1873, p.  
119. Zittel, 1880, p. 344, 365. Wachsmuth and Springer, 1881, p. 62 (236).

Miller, S. A., 1889, p. 260. Zittel, 1895, p. 127. Koken, 1896, p. 282.

Wachsmuth and Springer, 1897, p. 730. Weller, S., 1900, p. 137. Wachsmuth

*in* Zittel, 1900, p. 139. Bassler, 1915, p. 786. Springer, 1926a, p. 55. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 547. Moore and Laudon, 1943b, p. 99, Fig. 18. Moore and Laudon, 1944, p. 201, Pl. 71, fig. 16. Cuénot, 1948, p. 68. Ubaghs, 1953, p. 743. Spreng and Parks, 1953, p. 587, Fig. 2, no. d. Webster, 1973, p. 168. Frest, 1975, p. 567, Fig. 2. Webster, 1977, p. 108. Ubaghs *in* Moore and Teichert, 1978, p. T509. Webster, 1986, p. 196. Webster, 1988, p. 109.

*CUPELLAECRINITES* Troost, 1850a, p. 61. Troost, 1850b, p. 419. \**C. buchii* Troost,

1850, SD. Meek and Worthen, 1865, p. 161. Wood, E., 1909, p. 30. Bassler, 1915, p. 786. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 547. Ubaghs *in*

*in* Moore and Teichert, 1978, p. T509.

*CUPELLAECRINUS* Shumard, 1866, p. 387 (*nomen nudum*). Meek and Worthen, 1866a, p. 172. Shumard, 1868, p. 361. Bigsby, 1868, p. 22. Zittel, 1880, p. 344, 365. Miller, S. A., 1889, p. 235. Bassler, 1915, p. 786. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 547. Ubaghs *in* Moore and Teichert, 1978, p. T509.

*CYPELLAEOCRINUS* Bather, 1899b, p. 921 (*non* Bather *in* Lankester, 1900, p. 177). Ubaghs *in* Moore and Teichert, 1978, p. T509.

*MARSUPIOCRINITES* Phillips, 1839 (*non* De Blainville, 1830), p. 672. Meek and Worthen, 1866, p. 172. Bassler, 1915, p. 786; 1938, p. 129. Bassler and Moodey, 1943, p. 547. Ubaghs *in* Moore and Teichert, 1978, p. T509. Donovan et al., 2012, p. 208.

*MARSIPOCRINUS* Bather, 1889, p. 173. Bather *in* Lankester, 1900, p. 156. Grabau and Shimer, 1910, p. 516, Fig. 1836. Springer *in* Zittel, 1913, p. 179. Bassler, 1915, p. 786. Springer, 1926a, p. 55. Bassler, 1938, p. 129. Bassler and Moodey, 1943, p. 547. Ubaghs *in* Moore and Teichert, 1978, p. T509.

Named, currently recognized species based on cups or crowns: 5 Silurian species  
2 Wenlockian, 3 Niagaran;  
Silurian, Wenlockian. Sweden, United Kingdom  
Silurian, Niagaran. United States

*Marsupiocrinus caelatus* (Phillips *in* Murchison, 1839) = \**Marsupiocrinus (M.) coelatus*

*Marsupiocrinus chicagoensis* Weller, S., 1900, p. 138, Pl. 14, figs. 2-3. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 547.

*Marsipocrinus chicagoensis* (Weller, 1900). Bassler, 1915, p. 787.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Marsupiocrinus coelatus* (Phillips *in* Murchison, 1839) = \**Marsupiocrinus (M.) coelatus*

*Marsupiocrinus concavus* (Springer, 1926). Bassler and Moodey, 1943, p. 547.

*Marsipocrinus concavus* Springer, 1926a, p. 60, Pl. 16, fig. 8. Bassler and Moodey, 1943, p. 547.

Silurian, Niagaran, Beech River Formation. United States, Tennessee



*Marsupiocrinus corrugatus* (Troost in Wood, 1909) = *Marsupiocrinus* (*Amarspuiocrinus*) *corrugatus*

*Marsupiocrinus dactylus* (Hall, 1843) = *Lyriocrinus dactylus*

*Marsupiocrinus depressus* Angelin, 1878, p. 3, Pl. 10, figs. 15-17a. Wachsmuth and Springer, 1897, Pl. 3, fig. 23. Bassler and Moodey, 1943, p. 547.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Marsupiocrinus dubius* Angelin, 1878, p. 2, Pl. 26, figs. 24-24b. Bassler and Moodey, 1943, p. 547.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Marsupiocrinus excavatus* (Springer, 1926) = *Marsupiocrinus* (*Amarsupiocrinus*) *excavatus*

*Marsupiocrinus inflatus* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *inflatus*

*Marsupiocrinus magnificus* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *magnificus*

*Marsupiocrinus pentagonalis* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *pentagonalis*

*Marsupiocrinus praematurus* (Hall and Whitfield, 1875) = *Marsupiocrinus* (*Amarsupiocrinus*) *praematurus*

*Marsupiocrinus pulcher* Angelin, 1878 = *Marsupiocrinus* (*Marsupiocrinus*) *pulcher*

*Marsupiocrinus radiatus* Angelin, 1878 = *Marsupiocrinus* (*Marsupiocrinus*) *radiatus*

*Marsupiocrinus rosaeformis* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *rosaeformis*

*Marsupiocrinus rugulosus* Angelin, 1878 = *Marsupiocrinus* (*Marsupiocrinus*) *rugulosus*

*Marsupiocrinus stellatus* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *stellatus*

*Marsupiocrinus stellatus communis* Strimple, 1963 = *Marsupiocrinus* (*Amarsupiocrinus*) *stellatus communis*

*Marsupiocrinus stellatus stellatus* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *stellatus stellatus*

*Marsupiocrinus striatissimus* (Springer, 1926) = *Marsupiocrinus* (*Amarsupiocrinus*) *striatissimus*

*Marsupiocrinus striatissimus* (Springer, 1926) = *Marsupiocrinus* (*Amarsupiocrinus*) *striatissimus*

*Marsupiocrinus striatus* (Wachsmuth and Springer, 1897) = *Marsupiocrinus* (*Amarsupiocrinus*) *striatus*

*Marsupiocrinus striatus* Wachsmuth and Springer, 1897 (part) = *Marsupiocrinus* (*Amarsupiocrinus*) *inflatus*

*Marsupiocrinus tennesseensis* (Roemer, 1860) = *Marsupiocrinus* (*Amarsupiocrinus*) *tennesseensis*

*Marsupiocrinus tentaculatus* (Hall, 1859) = *Marsupiocrinus tentaculatus* = *Marsupiocrinus* (*Marsupiocrinus*) *tentaculatus*

*Marsupiocrinus turbinatus* (Springer, 1926). Bassler and Moodey, 1943, p. 549.  
*Marsipocrinus turbinatus* Springer, 1926a, p. 62, Pl. 17, figs. 11-14. Bassler and Moodey, 1943, p. 549.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Marsupiocrinus verneuili* (Troost, 1850) = *Marsupiocrinus* (*Amarsupiocrinus*) *verneuili*

**MARSUPIOCRINUS (AMARSUPIOCRINUS)** Frest, 1975. *M. (\*A.) striatissimus* Springer, 1926.  
 Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Marsupiocrinidae  
 Frest, 1975, p. 569. Ubaghs in Moore and Teichert, 1978, p. T509. Witzke and Strimple, 1981, p. 124. Webster, 1986, p. 196. Webster, 1988, p. 109.  
 Named, currently recognized species based on cups or crowns: 14 Silurian species, 1 subspecies, 1 Llandoveryan, 14 Niagaran (+1 subspecies).  
 Silurian, late Llandoveryan - Niagaran. United States

*Marsupiocrinus* (*Amarsupiocrinus*) *corrugatus* (Troost in Wood, 1909). Ausich, 2009a, p.

486.  
*Cupellaecrinites corrugatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 547.

*Cupellaecrinus corrugatus* (Troost in Wood, 1909). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Vassler, 1915, p. 787.

*Marsipocrinus corrugatus* Troost in Wood, E., 1909, p. 35, Pl. 10, fig. 8. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 547.

*Marsupiocrinus corrugatus* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 547. Ausich, 2009a, p. 486, suppl., p. 30.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

- Marsupiocrinus (Amarsupiocrinus) excavatus* (Springer, 1926). Frest, 1975, p. 569. Webster, 1986, p. 196.  
*Marsipocrinus excavatus* Springer, 1926a, p. 60, Pl. 16, figs. 7-7b. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus excavatus* (Springer, 1926). Bassler and Moodey, 1943, p. 548. Frest, 1975, p. 569. Webster, 1986, p. 196. Clement and Broadhead, 1994, p. 47.  
 Silurian, Niagaran, Beech River Formation; Decatur Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) inflatus* (Troost, 1850). Frest, 1975, p. 569. Webster, 1986, p. 196. Ausich, 2009a, p. 486, suppl. p. 31.  
*Marsupiocrinus inflatus* (Troost, 1850). Bassler and Moodey, 1943, p. 548. Ubaghs, 1953, p. 743, Fig. 59, no. a. Webster, 1973, p. 168. Frest, 1975, p. 569. Ubaghs in Moore and Teichert, 1978, p. T214, Fig. 184, no. 1. Webster, 1986, p. 196.  
*Cupellaecrinites inflatus* Troost, 1850a, p. 61; 1850b, p. 420 (*nomen nudum*). Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinus inflatus* (Troost, 1850). Shumard, 1868, p. 361.  
*Platycrinus (Cupellecrinus) inflatus* (Troost, 1850). Bigsby, 1868, p. 22.  
*Marsipocrinus inflatus* (Troost, 1850). Springer, 1926a, p. 58, Pl. 15, figs. 1-8. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinites striatus* Troost, 1850a, p. 61; 1850b, p. 419. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus striatus* (Troost, 1850). Wachsmuth and Springer, 1897, Pl. 75, fig. 17 only. Springer, 1917, Pl. 9, fig. 6. Bassler and Moodey, 1943, p. 548.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) laurelensis* Frest, 1975, p. 570, Fig. a. Webster, 1986, p. 196.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Marsupiocrinus (Amarsupiocrinus) magnificus* (Troost in Wood, 1909). Frest, 1975, p. 569. Webster, 1986, p. 196. Ausich, 2009a, p. 486, suppl. p. 31.  
*Cupellaecrinites magnificus* Troost, 1850a, p. 61; 1850b, p. 419. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinus magnificus* (Troost in Wood, 1909). Shumard, 1856, p. 381. Shumard, 1868, p. 361. Bassler, 1915, p. 787.  
*Platycrinus (Cupellecrinus) magnificus* (Troost in Wood, 1909). Bigsby, 1868, p. 22.  
*Marsipocrinus magnificus* Troost in Wood, E., 1909, p. 34, Pl. 10, figs. 5-7. Bassler, 1915, p. 787. Springer, 1926a, p. 61, Pl. 19, figs. 1-1b. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus magnificus* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 548. Frest, 1975, p. 569. Webster, 1986, p. 196.  
 Silurian, Niagaran, Beech River Formation. United States, Tennessee

- Marsupiocrinus (Amarsupiocrinus) pauciornatus* Frest, 1975, p. 570, Pl. 1, fig. b; Fig. 3. Webster, 1986, p. 196.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Marsupiocrinus (Amarsupiocrinus) pentagonalis* (Troost in Wood, 1909). Frest, 1975, p. 569. Webster, 1986, p. 196. Ausich, 2009a, p. 486, suppl. p. 32.  
*Cupellaecrinites pentagonalis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinus pentagonalis* (Troost in Wood, 1909). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 787.  
*Marsipocrinus pentagonalis* Troost in Wood, E., 1909, p. 37. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus pentagonalis* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 548. Frest, 1975, p. 569. Webster, 1986, p. 196.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) praematurus* (Hall and Whitfield, 1875). Frest, 1975, p. 569. Webster, 1986, p. 197.  
*Platycrinus praematurus* Hall and Whitfield, 1875a, p. 124, Pl. 6, figs. 3-6. Miller, S. A., 1889, p. 271. Lesley, 1889, p. 689, Figs. 3-6. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus praematurus* (Hall and Whitfield, 1875). Wachsmuth and Springer, 1897, p. 734, Pl. 72, fig. 11. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548. La Rocque and Marple, 1955, p. 73, Fig. 146. Webster, 1973, p. 168. Webster, 1986, p. 197. Ausich, 1996b, p. 247, Fig. 17-5, no. 9.  
*Marsipocrinus praematurus* (Hall and Whitfield, 1875). Grabau and Shimer, 1910, p. 516, Fig. 1838. Bassler, 1915, p. 787.  
Silurian, Niagaran, Cedarville Formation. United States, Ohio
- Marsupiocrinus (Amarsupiocrinus) primaevus* Witzke and Strimple, 1981, p. 125, Pl. 3, figs. 30-37; 4, figs. 1-3; Fig. 15. Webster, 1988, p. 109.  
Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* and *Cyrtia* Beds.  
United States, Iowa
- Marsupiocrinus (Amarsupiocrinus) rosaeformis* (Troost in Wood, 1909). Frest, 1975, p. 569. Webster, 1986, p. 197. Ausich, 2009a, p. 486, suppl. p. 32.  
*Cupellaecrinites rosaeformis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinus rosaeformis* (Troost in Wood, 1909). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 787.  
*Marsipocrinus rosaeformis* Troost in Wood, E., 1909, p. 37, Pl. 13, figs. 5-6. Bassler, 1915, p. 787. Springer, 1926a, p. 57, Pls. 13, figs. 1-8; 15, figs. 9-9a. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus rosaeformis* (Troost in Wood, 1909). Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 7. Moore and Laudon, 1944, p. 201, Pl. 77, fig. 25. Webster, 1973, p. 168. Frest, 1975b, p. 569. Webster, 1986, p. 197.  
*Marsipocrinus tennesseensis* Springer, 1917, Pl. 9, figs. 5a, 5b. Springer, 1921, Pl.

2, figs. 5-6. Bassler and Moodey, 1943, p. 548.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee

- Marsupiocrinus (Amarsupiocrinus) stellatus stellatus* (Troost in Wood, 1909). Frest, 1975, p. 569. Webster, 1986, p. 197. Ausich, 2009a, p. 486, suppl. p. 32.  
*Cupellaecrinites stellatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 787. Bassler and Moodey, 1943, p. 548.  
*Cupellaecrinus stellatus* (Troost in Wood, 1909). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 787.  
*Marsipocrinus stellatus* Troost in Wood, E., 1909, p. 36, Pl. 10, figs. 1-2. Bassler, 1915, p. 787. Springer, 1926a, p. 60, Pl. 17, figs. 1-10. Bassler and Moodey, 1943, p. 548.  
*Marsupiocrinus stellatus stellatus* (Troost in Wood, 1909). Frest, 1975, p. 569. Webster, 1986, p. 197.  
*Marsupiocrinus stellatus* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 548. Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) stellatus communis* Strimple, 1963. Frest, 1975, p. 569. Webster, 1986, p. 197.  
*Marsupiocrinus stellatus communis* Strimple, 1963d, p. 105, Pl. 6, figs. 5-9. Webster, 1973, p. 168. Frest, 1975, p. 569. Webster, 1986, p. 197. Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma
- Marsupiocrinus (\*Amarsupiocrinus) striatissimus* (Springer, 1926).  
*Marsupiocrinus striatissimus* (Springer, 1926). Bassler and Moodey, 1943, p. 548. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 8. Moore and Laudon, 1944, p. 201, Pl. 77, fig. 24. Webster, 1973, p. 168. Frest, 1975, p. 569. Ubaghs in Moore and Teichert, 1978, p. T509, Fig. 311, no. 2.  
*Marsupiocrinus striatissimus* (Springer, 1926). Webster, 1986, p. 197.  
*Marsipocrinus striatissimus* Springer, 1926a, p. 61, Pl. 18, figs. 1-7. Bassler and Moodey, 1943, p. 548. Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) striatus* Wachsmuth and Springer, 1897. Frest, 1975, p. 570. Webster, 1986, p. 197. Ausich, 2009a, p. 486, suppl. p. 32.  
*Cupellaecrinites striatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen nudum*). Bassler, 1915, p. 788.  
*Cupellaecrinus striatus* (Troost, 1850). Shumard, 1868, p. 362.  
*Marsupiocrinus striatus* (Troost, 1850). Wachsmuth and Springer, 1897, p. 732, Pl. 75, fig. 18 only. Miller, S. A., 1897, p. 748. Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 549. Frest, 1975, p. 570. Ubaghs in Moore and Teichert, 1978, p. T178, Fig. 149, no. 1. Webster, 1986, p. 197.  
*Marsipocrinus striatus* (Troost, 1850). Bassler, 1915, p. 788. Springer, 1926a, p. 58, Pl. 14, figs. 7-13. Moore, 1939b, p. 231, Fig. 11, no. 10. Bassler and Moodey, 1943, p. 549. Silurian, Niagaran, Beech River Formation. United States, Tennessee

- Marsupiocrinus (Amarsupiocrinus) tennesseeensis* (Roemer, 1860). Frest, 1975, p. 570. Webster, 1986, p. 197. Ausich, 2009a, p. 486, suppl. p. 34.
- Platycrinus tennesseeensis* Roemer, C. F., 1860a, p. 35, Pl. 3, figs. 4a-4f. Shumard, 1868, p. 362. Miller, S. A., 1889, p. 272. Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 549.
- Platycrinus (Cupellaecrinus) tennesseeensis* Roemer, 1860. Shumard, 1866, p. 362. Bassler, 1915, p. 788.
- Platycrinus tennessee-ensis* Roemer, 1860. Bigsby, 1868, p. 22.
- Cupellaecrinus tennesseeensis* (Roemer, 1860). Shumard, 1868, p. 362.
- Marsupiocrinus tennesseeensis* (Roemer, 1860). Wachsmuth and Springer, 1888, p. 375, Pl. 19, fig. 7. Wachsmuth and Springer, 1889b, p. 373, Pl. 19, fig. 7. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 731, Pl. 75, figs. 16a-16b. Gurich, 1908, p. 45, Pl. 13, fig. 5. Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 549. Frest, 1975, p. 570. Webster, 1986, p. 197. Clement and Broadhead, 1994, p. 47.
- Marsipocrinus tennesseeensis* (Roemer, 1860). Troost in Wood, E., 1909, p. 30, Pl. 9, figs. 5-6. Grabau and Shimer, 1910, p. 516, Fig. 1837. Bassler, 1915, p. 788. Springer, 1926a, p. 57, Pl. 14, figs. 1-6a. Bassler and Moodey, 1943, p. 549.
- Cupellaecrinites buchii* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Shumard, 1868, p. 361. Bassler, 1915, p. 788. Bassler, 1938, p. 78. Bassler and Moodey, 1943, p. 549.
- Cupellaecrinites laevis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 549.
- Cupellaecrinus laevis* (Troost, 1850). Shumard, 1866, p. 361. Shumard, 1868, p. 361. Bassler, 1915, p. 788.
- Silurian, Niagaran, Beech River Formation; Decatur Formation. United States, Tennessee
- Marsupiocrinus (Amarsupiocrinus) verneuili* (Troost in Wood, 1909). Frest, 1975, p. 570. Webster, 1986, p. 198. Ausich, 2009a, p. 486, suppl. p. 34.
- Cupellaecrinites verneuillii* Troost, 1850a, p. 61.
- Cupellaecrinites verneuili* Troost, 1850b, p. 419. Bassler, 1915, p. 788. Bassler and Moodey, 1943, p. 549.
- Marsipocrinus verneuili* Troost in Wood, E., 1909, p. 32, Pl. 9, figs. 10-12. Bassler, 1915, p. 788. Springer, 1926a, p. 59, Pl. 16, figs. 1-6. Bassler and Moodey, 1943, p. 549.
- Marsupiocrinus verneuili* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 549.
- Frest, 1975, p. 570. Webster, 1986, p. 198.
- Silurian, Niagaran, Beech River Formation. United States, Tennessee
- MARSUPIOCRINUS (MARSUPIOCRINUS)** Ubaghs *in* Moore and Teichert, 1978, p. T509.
- Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Marsupiocrinidae
- Marsupiocrinites (Marsupiocrinites)*** Frest, 1975. Donovan et al., 2012, p. 208.

Named, currently recognized species based on cups or crowns: 6 species. 5  
 Silurian, Wenlockian; 1 Devonian, Lochkovian  
 Silurian, Wenlockian. Sweden, United Kingdom  
 Devonian, Lochkovian. United States

\**Marsupiocrinus (Marsupiocrinus) coelatus* (Phillips in Murchison, 1839).

*Marsupiocrinites coelatus* Phillips in Murchison, 1839, p. 672, Pl. 18, fig. 3. Phillips  
 in

Murchison, 1859, p. 246, Pl. 14, fig. 1. Bassler and Moodey, 1943, p. 547.

Donovan et al., 2008a, p. 39, Fig. 6, nos. C-D. Donovan, 2009, p. 159, Fig. 7.

Donovan et al., 2012, p. 208, Pls. 56, fig. 1; 57, fig. 1; Fig. 91.

\**Marsupiocrinus coelatus* (Phillips in Murchison), 1839. Spiers, 1889, p. 179, Fig.  
 2, nos. 1-3. Frech, 1902, Pl. 11, fig. 9. Bassler and Moodey, 1943, p. 547.

Bowsher, 1955a, p. 3, Pl. 1, fig. 12. Webster, 1973, p. 168. Frest, 1975, p. 569.

Ubaghs in Moore and Teichert, 1978, p. T509, Fig. 311, no. 1. Brett, 1984, p.

92, Fig. 2, no. C. Webster, 1986, p. 198. Webster, 1988, p. 109.

*Marsupiocrinites caelatus* Phillips, 1839. Murchison, 1859, p. 246, Pl. 14, fig. 1;

Fig. 55, nos. 1-3. Forbes, 1872, p. 224, Fig. 56, nos. 1-7. Bassler, 1938, p. 130.

*Marsupiocrinus caelatus* (Phillips, 1839). Bigsby, 1868, p. 22. Murchison, 1872, p.

223, Pl. 14, fig. 1; Fossils Fig. 56, nos. 1-3. Salter, 1873, p. 119.

*Marsipocrinus coelatus* (Phillips, 1839). Clarke, 1921b, p. 68, Fig. 54. Springer,

1926a, p. 60, Pl. 16, fig. 8. Bassler and Moodey, 1943, p. 547.

*Melocrinus caelatus* (Phillips, 1839). d'Orbigny, 1850, p. 46 (sic).

Silurian, upper part of Wenlock Group, Much Wenlock Limestone Formation.  
 United Kingdom

*Marsupiocrinus (Marsupiocrinus) depressus* (Angelin, 1878). Frest, 1975, p. 569.

Webster, 1986, p. 198.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Marsupiocrinus (Marsupiocrinus) pulcher* Angelin, 1878. Frest, 1975, p. 569.

Webster, 1986, p. 198.

*Marsupiocrinus pulcher* Angelin, 1878, p. 3, Pls. 22, figs. 27-28; 27, figs. 4-4a.

Bassler and Moodey, 1943, p. 548.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Marsupiocrinus (Marsupiocrinus) radiatus* Angelin, 1878.

*Marsupiocrinus radiatus* Angelin, 1878, p. 2, Pl. 10, figs. 18-21a. Bassler and

Moodey, 1943, p. 548. Ubaghs, 1953, p. 743, Fig. 22, no. b. Webster, 1973, p.

168.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Marsupiocrinus (Marsupiocrinus) rugulosus* (Angelin, 1878). Frest, 1975, p. 569.

Webster, 1986, p. 198.

*Marsupiocrinus rugulosus* Angelin, 1878, p. 2, Pl. 22, fig. 1. Bassler and Moodey,

1943, p. 548.

Silurian, Wenlockian. Sweden, Isle of Gotland

- Marsupiocrinus (Marsupiocrinus) tentaculatus* (Hall, 1859). Frest, 1975, p. 569.  
Webster, 1986, p. 198.
- Platycrinus tentaculatus* Hall, 1859b, p. 116, Pl. 5, figs. 1-4. Shumard, 1868, p. 390. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 272. Bassler and Moodey, 1943, p. 549.
- Marsupiocrinus tentaculatus* (Hall, 1859). Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 733, Pl. 75, figs. 19a-19b. Bassler and Moodey, 1943, p. 549.
- Marsipocrinus tentaculatus* (Hall, 1859). Goldring, 1923, p. 277, Pl. 36, fig. 18; Fig. 50. Bassler and Moodey, 1943, p. 549.  
Devonian, Lochkovian, New Scotland Limestone. United States, New York
- Marsupiocrinus* n. sp. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, Birdsong Member. United States, Tennessee
- Marsupiocrinus* spp.  
Paul, 1970, p. 461, Figs. 1-9. Webster, 1977, p. 108.  
Silurian, Niagaran, Brownsport Formation (probably). United States, Tennessee  
Frest, 1975, p. 572, Pl. 1, fig. c. Webster, 1986, p. 198.  
Silurian, Wenlockian, Laurel Limestone. United States, Indiana
- Massive, sculptured brachials of ?calceocrinids Pisera, 1994, p. 290, Pl. 59, figs. 14, 17-18.  
Ordovician, Darriwilian – Katian (Llanvirnian – Ashgillian), Mojcza Limestone.  
Poland, Holy Cross Mountains
- Massive tuberculated pinnulars Pisera, 1994, p. 290, Pl. 59, fig. 10.  
Ordovician, Darriwilian – Katian (Llanvirnian – Ashgillian), Mojcza Limestone.  
Poland, Holy Cross Mountains
- MASTIGOCCRINUS** Bather, 1892. \**Cyathocrinus* (sp. 9). *aboreus* Salter, 1873.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae  
Bather, 1892c, p. 194. Zittel, 1895, p. 136. Bather *in* Lankester, 1900, p. 179.  
Wachsmuth *in* Zittel, 1900, p. 157. Springer *in* Zittel, 1913, p. 220. Jaekel, 1918, p. 55. Bassler, 1938, p. 130. Bassler and Moodey, 1943, p. 549. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86.  
Webster, 1973, p. 168. Moore and Lane *in* Moore and Teichert, 1978, p. T621.  
Smith, A. B., 1985, p. 170. Webster, 1986, p. 199. Webster, 1988, p. 109.  
Donovan et al., 2010, p. 91.  
Named, currently recognized species based on cups or crowns: 3 Silurian species, 2 Wenlockian, 1 Ludlovian  
Silurian, Wenlockian - Ludlovian. United Kingdom
- Mastigocrinus arboreus* (Salter, 1873). Donovan et al., 2010, p. 90, Pls. 23, figs. 1-2; 24,



- figs. 1-2.  
*Cyathocrinus* (sp. 9) *arboreus* Salter, 1873, p. 125, unfig. Donovan et al, 2010, p. 90.  
*Cyathocrinus arboreus* Meek and Worthen, 1865. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 235, Fig. 273.  
*Mastigocrinus loreus* Bather, 1892c, p. 196, Pls. 11, fig. 3; 12, figs. 1-3; Figs. 1-10. Bather *in* Lankester, 1900, p. 131, Fig. 48. Bassler, 1938, p. 130. Bassler and Moodey, 1943, p. 549. Ubaghs, 1953, p. 751, Fig. 24. Webster, 1973, p. 168. Moore and Lane *in* Moore and Teichert, 1978, p. T621, Fig. 404, no. 3. Smith, A. B., 1985, p. 170, Pl. 7.4.25. Webster, 1986, p. 199. Webster, 1988, p. 109. Donovan et al., 2008a, p. 43, Fig. 10, no. B. Donovan et al, 2010, p. 91, Pls. 23, figs. 1-2; 24, figs. 1-2.  
 Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley
- Mastigocrinus bravoniensis* Ramsbottom, 1958, p. 110, Pl. 21, figs. 6-7. Webster, 1973, p. 168. Donovan et al., 2010, p. 92, Fig. 38.  
 Silurian, Ludlovian, lower part of Ludlow Beds. United Kingdom
- Mastigocrinus loreus* Bather, 1892 = *Mastigocrinus arboreus*
- Mastigocrinus? quinquelobus* (Bather, 1892). Donovan et al., 2010, p. 92, Figs. 39-40.  
*Botryocrinus quinquelobus* Bather, 1892a, p. 189, Pl. 11, figs. 1-2. Donovan et al., 2010, p. 92.  
*Mastigocrinus loreus* Bather; Moore and Lane *in* Moore and Teichert, 1978, Fig. 404, nos. 3b-3c. Donovan et al., 2010, p. 92.  
*Mastigocrinus quinquelobus* Bather, 1892. Donovan et al., 2008a, Tab. 15.2. Donovan et al., 2010, p. 92.  
 Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley
- MATHERICRINUS** Webster, 1981. \**Cromyocrinus grandis* Mather, 1915.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae  
 Webster, 1981, p. 1193, Fig. 1. Webster, 1988, p. 110. Webster et al., 2004, p. 53.  
 Named, currently recognized species based on cups or crowns: 5 Pennsylvanian species, 2 Morrowan, 1 Bashkirian, 2 Taiyuan (series uncertain)  
 Pennsylvanian, Morrowan - Atokan. United States  
 Pennsylvania, Taiyuan, series uncertain. China  
 Pennsylvanian, Bashkirian. Algeria
- Mathericrinus gillumi* (Strimple, 1966). Webster, 1981, p. 1198. Webster, 1988, p. 110.  
*Metacromyocrinus gillumi* Strimple, 1966a, p. 6, Pls. 1, figs. 1-6; 2, figs. 5-6. Moore and Strimple, 1973, p. 55, Pl. 11, figs. 3a-3c. Webster, 1973, p. 175. Webster, 1977, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 459, nos. 3c-3e. Webster, 1981, p. 1198. Webster, 1986, p. 205. Webster, 1988, p.

110.

Pennsylvanian, Morrowan, Bloyd Formation. United States, Arkansas

\**Mathericrinus grandis* (Mather, 1915). Webster, 1981, p. 1193. Webster, 1988, p. 110.

*Cromyocrinus grandis* Mather, 1915, p. 102, Pl. 3, figs. 2-2a; Fig. 1. Moore and Plummer, 1938, p. 255, Fig. 13. Bassler and Moodey, 1943, p. 377. Moore and Strimple, 1973, p. 54, Pls. 5, figs. 2a-d; 9, figs. 1a-d. Webster, 1977, p. 60. Webster, 1981, p. 1193. Webster, 1988, p. 110.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma

*Mathericrinus lichengensis* (Tien, 1926). Webster, 1981, p. 1193. Webster, 1988, p. 110.

*Eupachyrcrinus lichengensis* Tien, 1926, p. 40, Pl. 3, figs. 4a-4e. Bassler and Moodey, 1943, p. 471. Branson, C. C., 1948, p. 193. Webster, 1981, p. 1198. Webster, 1988, p. 110.

Pennsylvanian, Taiyuan Series. Northern China

*Mathericrinus percultus* (Knapp, 1969) = *Metacromyocrinus percultus**Mathericrinus pustulosus* (Tien, 1926). Webster, 1981, p. 1193. Webster, 1988, p. 110.

*Eupachyrcrinus pustulosus* Tien, 1924, p. 34. Tien, 1926, p. 29, Pls. 2, figs. 1a-1c; 3, figs. 7a-7g; Fig. 4. Bassler and Moodey, 1943, p. 472. Branson, C. C., 1948, p. 193. Tien and Mu, 1955, p. 93, Pl. 48, figs. 13-18; Fig. 34. Wang *et al.*, 1956, p. 463, 6 figs. Webster, 1977, p. 84. Webster, 1981, p. 1193. Tianjin Institute of Geology and Mineral Resources, 1985, p. 511, Fig. 31. Webster, 1988, p. 110.

*Eupachyrcrinus pustulosus contractus* Tien, 1924, p. 34. Tien, 1926, p. 36, Pls. 2, figs. 4a-4c; 3, figs. 2a-2d; Fig. 6. Bassler and Moodey, 1943, p. 472. Branson, C. C., 1948, p. 193. Webster, 1981, p. 1193. Webster, 1988, p. 110.

*Eupachyrcrinus pustulosus transversus* Tien, 1926, p. 32, Pls. 2, figs. 2-3; 3, fig. 8; Fig. 5. Bassler and Moodey, 1943, p. 472. Branson, C. C., 1948, p. 193. Webster, 1981, p. 1193. Webster, 1988, p. 110.

Pennsylvanian, Taiyuan Series. North China, Hopeh Province

*Mathericrinus wallacei* (Termier and Termier, 1950). Webster *et al.*, 2004, p. 53, Pls. 13, figs. 6-9; 14, figs. 1-24.

*Parulocrinus wallacei* Termier, G., and Termier, H., 1950, p. 91, Pls. 217, figs. 5-14, 17-18 (*non* fig. 16 as given on p. 91); 222, figs. 6-8, 14-22 (*non* figs. 4-5 as given on p. 91). Webster, 1973, p. 198. Webster *et al.*, 2004, p. 53.

Pennsylvanian, late Bashkirian, Oued el Hamar Formation and upper part of Hassi Kerma Formation. Algeria

**MCOYCRINUS** Ausich and Kammer, 2008 \**Actinocrinus globosus* Phillips, 1836

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

New Genus A Ausich and Kammer, 2006, p. 104. Ausich and Kammer, 2008a, p. 161.

Named, currently recognized species based on cups or crowns: 1 Mississippian,

Viséan species

Mississippian, Viséan, Chadian. United Kingdom

- \**Mcoyocrinus globosus* (Phillips, 1836). Ausich and Kammer, 2008a, p. 162, Figs. 8.9, nos. 1-2, 5-9; 8.10, no. 1.  
*Actinocrinus globosus* Phillips, 1836, p. 206, Pl. 4, figs. 26, 29. Bronn, 1848, p. 14. d'Orbigny, 1850, p. 155. Bassler and Moodey, 1943, p. 551. Ausich and Kammer, 2008a, p. 162.  
*Actinocrinus globulus* Phillips, 1836. Dujardin and Hupé, 1862, p. 139 (sic).  
*Periechocrinites globosus* Austin and Austin, 1842 (non Phillips, 1836) p. 110 (*nomen nudum*). Austin and Austin, 1843, p. 204 (remark only). Bassler and Moodey, 1943, p. 598. Ausich and Kammer, 2008a, p. 162.  
*Periechocrinus globosus* (Austin and Austin, 1842). Bronn, 1848, p. 947.  
*Megistocrinus globosus* (Phillips, 1836). Wachsmuth and Springer, 1885, p. 112 (386). Bassler and Moodey, 1943, p. 551. Wright, J., 1955a, p. 191, Pl. 48, figs. 1-4, 8. Webster, 1973, p. 169. Westhead, 1978, p. 484. Donovan, 1992c, p. 45, Fig. 7, no. L. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 3. Ausich and Kammer, 2006, p. 101. Ausich and Kammer, 2008a, p. 162.  
 New Genus A Ausich and Kammer, 2006, p. 101. Ausich and Kammer, 2008a, p. 162.  
 Mississippian, Viséan, Chadian. United Kingdom, Scotland

**MEDUSACRINUS** Austin, 1875 = **PLATYCRINITES** = **PLEUROCRINUS**

*Medusacrinus* s.l. *granulatus* (Miller, 1821) = *Platycrinites granulatus*

*Medusacrinus mammillatus* Austin, 1875, p. 91.  
 Mississippian. Ireland

*Medusacrinus mucronatus* (Austin and Austin, 1842) = *Pleurocrinus mucronatus*

*Medusacrinus rugosus* (Miller, 1821) = *Platycrinites rugosus*

*Medusacrinus tuberculatus* (Miller, 1821) = *Pleurocrinus tuberculatus*

- MEGALIOCRINUS** Moore and Laudon, 1942. \**M. aplatus* Moore and Laudon, 1942. Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Periechocrinoidea, F. Paragaracocrinidae  
 Moore and Laudon, 1942, p. 68. Moore and Laudon, 1943b, p. 92, fig. 15. Sieverts-Doreck, 1951b, p. 105, Fig. 2, no. c. Ubaghs, 1953, p. 739. Moore and Strimple, 1973, p. 40. Webster, 1973, p. 168. Strimple, 1976d, p. 631. Webster, 1977, p. 108. Ubaghs in Moore and Teichert, 1978, p. T450. Arendt, 1983d, p. 92. Webster, 1986, p. 199. Webster, 1988, p. 110.  
**IBEROCRINUS** Sieverts-Doreck, 1951b, p. 105, Fig. 1. \**I. multibrachiatus* Sieverts-Doreck, 1951. Ubaghs, 1953, p. 739. Webster, 1973, p. 155. Strimple, 1976d, p. 631. Ubaghs in Moore and Teichert, 1978, p. T450. Webster, 1986, p. 199.  
 Named, currently recognized species based on cups or crowns: 4 Pennsylvanian

species, 2 Morrowan, 1 Bashkirian – Westphalian, 1 Desmoinesian  
Pennsylvanian, Morrowan - Desmoinesian. United States  
Pennsylvanian, middle or late Namurian - Westphalian. Spain

\**Megaliocrinus aplatus* Moore and Laudon, 1942, p. 68, figs. 1-3. Moore and Strimple, 1973, p. 40, Pl. 3, figs. 4a-4b. Webster, 1973, p. 168. Webster, 1977, p. 108. Ubaghs *in* Moore and Teichert, 1978, p. T450, Fig. 258, no. 3. Webster, 1986, p. 199.

Pennsylvanian, Morrowan. United States, Oklahoma

*Megaliocrinus bolli* Strimple, 1976d, p. 636, Figs. 1, nos. A-B; 3, nos. C-E. Webster, 1986, p. 199.

\**Iberocrinus multibrachiatus* Sieverts-Doreck, 1951b, p. 109, p. 8, figs. 1, 2; Figs. 2, no. d; 3. Breimer, 1962a, p. 75, Pl. 8, figs. 1-4. Webster, 1973, p. 155. Strimple, 1976d, p. 636. Ubaghs *in* Moore and Teichert, 1978, p. T450, Fig. 258, no. 2. Webster, 1986, p. 199.

**Note.** the specific name *multibrachiatus* has priority if the reassignment of *Iberocrinus multibrachiatus* is correct., GDW.

Pennsylvanian, middle or late Bashkirian, Westphalian, Perapertu Formation, Puma Member; Cotarazzo Limestone. Spain

*Megaliocrinus exotericus* Strimple, 1951c, p. 14, Pl. 3, figs. 5-8. Webster, 1973, p. 168. Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Megaliocrinus johnsoni* Strimple, 1975b, p. 119, Fig. 1, nos. a-c. Webster, 1986, p. 200.

Pennsylvanian, Desmoinesian, Cherokee Group. United States, Illinois

*Megaliocrinus?* sp. Webster et al., 2004, p. 19, Pl. 1, fig. 13.

Mississippian, Serpukhovian, E2, Ain e Mizab Formation, Mouizeb el Atchane Member. Algeria

**MEGANOTOCRINUS** Willink, 1979. \**Phialocrinus? princeps* Etheridge, 1892.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Tribachyocrinidae  
Willink, 1979b, p. 185, Fig. 16, no. B. Webster, 1986, p. 199.

Named, currently recognized species based on cups or crowns: 3 Permian species,  
1 Artinskian – Roadian, 2 Roadian

Middle - Late Permian, late Artinskian - Roadian. Australia, New South Wales

*Meganotocrinus konincki* (Clarke *in* de Koninck, 1877-78). Willink, 1979b, p. 187. Webster, 1986, p. 200.

*Cyathocrinus konincki* Clarke *in* de Koninck, 1877-78, p. 164, Pl. 6, figs. 4-4b; Unnum. Fig. de Koninck, 1898, p. 1254, Pl. 6, figs. 4-4c; Unnum. fig. p. 125. Bassler and Moodey, 1943, p. 609. Branson, C. C., 1948, p. 178. Willink, 1979b, p. 187. Webster, 1986, p. 200.

*Phialocrinus konincki* (Clarke *in* de Koninck, 1876-77). Etheridge, 1892, p. 107, Pl. 16, figs. 1-4. Bassler and Moodey, 1943, p. 609. Branson, C. C., 1948, p. 178.

*Phialocrinus? konincki* (Clarke *in* de Koninck, 1876-77). Bassler and Moodey, 1943,

p. 608. Willink, 1979b, p. 187. Webster, 1986, p. 200.  
*Aesiocrinus konincki* (Clarke in de Koninck, 1876-1877). Branson, C. C., 1948, p. 178. Willink, 1979b, p. 187. Webster, 1986, p. 200.  
*Pentadia corona* Dana, 1847, p. 152, Pl. 10, figs. 10-10a (non figs. 11-12). Bassler and Moodey, 1943, p. 596. Branson, C. C., 1948, p. 178.  
*Pentadia spatangus* Dana, 1847, p. 152. Bassler, 1938, p. 148. Bassler and Moodey, 1943, p. 596 (considered unrecognizable). Branson, C. C., 1948, p. 178.  
 Permian, Roadian, Nowra Grit. Australia, New South Wales

\**Meganotocrinus princeps* (Etheridge, 1892). Willink, 1979b, p. 186, Pls. 12, figs. 1-5; 13, figs. 1-7; Fig. 16, no. A. Webster, 1986, p. 200. Webster and Jell, 1999b, p. 331, Fig. 31.  
*Phialocrinus? princeps* Etheridge, 1892, p. 110, Pls. 17, fig. 1; 18, fig. 1; 22, fig. 5. Bassler and Moodey, 1943, p. 609. Branson, C. C., 1948, p. 178. Willink, 1979b, p. 186. Webster, 1986, p. 200.  
*Aesiocrinus princeps* (Etheridge, 1892). Branson, C. C., 1948, p. 178. Willink, 1979b, p. 186. Webster, 1986, p. 200.  
 Permian, late Artinskian - Roadian, Branxton Formation; Berry Formation; Nowra Sandstone; Gerringong Volcanics. Australia, New South Wales

*Meganotocrinus tuberculatus* Willink, 1979b, p. 188, Pl. 13, fig. 8. Webster, 1986, p. 200.  
 Permian, Roadian, interfingering beds of Berry Formation and Gerringong Volcanics. Australia, New South Wales

**MEGARADIALOCRINUS** Chen and Yao, 1993. \**M. conicus* Chen and Yao, 1993, OD.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae

Chen and Yao, 1993, p. 56, 90, Fig. 31 (typographical error as *Megaradialoerinus* p. 90). Webster, Waters and Chen, 2009, p. 142. Bohatý, 2010, p. 30.

**SUBHEXACRINITES** Hauser, 2004c, p. 19. \**Subhexacrinites rommersheimensis* Hauser, 1997. Hauser, 2004c, p. 19, Pl. 1, figs. 2a-2b; figs. 13-16. Bohatý, 2010, p. 30.

Named, currently recognized species based on cups or crowns: 61 species. 1 Silurian, Niagaran; 60 Devonian, 1 Lochkovian, 1 Lochkovian – Emsian, 1 Pragian – Emsian, 1 Emsian, 3 Early Devonian series undesignated, 1 Emsian – Givetian, 2 Eifelian, 10 Eifelian – Givetian, 1 Eifelian or Givetian, 5 Middle Devonian series undesignated, 1 Eifelian – Frasnian, 21 Givetian, 11 Frasnian, 2 Famennian

Silurian, Niagaran. United States, Oklahoma, Tennessee

Early Devonian, series not designated. Russia, Kutznez Basin

Devonian, Lochkovian. Australia

Devonian, Pragian – Emsian. Czech Republic, Bohemia

Middle Devonian, series not given. Russia, Urals

Devonian, Eifelian or Givetian. China, Yunnan Province, Kwangsi Province

Devonian, Eifalian – Givetian. Australia, Queensland

Devonian, Eifelian, Givetian = Frasnian. Germany  
 Devonian, Eifelian – Givetian, Famennian. United Kingdom  
 Devonian, Givetian. Morocco  
 Devonian, Givetian, Frasnian. United States, Iowa  
 Devonian, Frasnian. France, Belgium  
 Devonian, Frasnian. Canada, Northwest Territories  
 Devonian, Famennian. Iran

?*Megaradialocrinus aberrans* (Whidborne, 1889). Bohatý, 2010, p. 30.

*Platycrinus aberrans* Whidborne, 1889, p. 79. Bassler and Moodey, 1943, p. 507.

*Hexacrinus? aberrans* Whidborne, 1889, p. 199, Pls. 23, fig. 3; 25, figs. 2, 2c.

Whidborne, 1895, p. 199, Pls. 23, fig. 3; 25, figs. 2-2e. Bassler and Moodey, 1943, p. 507.

*Hexacrinites aberrans* (Whidborne, 1889). Bassler and Moodey, 1943, p. 507.

Devonian, Famennian. United Kingdom

*Megaradialocrinus adaensis* (Strimple, 1952). Bohatý, 2010, p. 30.

*Hexacrinites adaensis* Strimple, 1952b, p. 75, Figs. 4-5. Webster, 1973, p. 148.

Clement and Broadhead, 1994, p. 47. Webster, Maples, and Yazdi, 2007, p. 1104.

*Oehlerticrinus adaensis* (Strimple, 1952), Webster et al., 2007, p. 1104

(misspelled as *Oelertecrinus*). Bohatý, 2010, p. 30.

Silurian, Niagaran, Henryhouse Formation; upper part of Decatur Limestone. United States, Oklahoma, Tennessee

*Megaradialocrinus aliculatus* Bohatý, 2010, p. 39, 43, Fig. 6, nos. d-g.

*Hexacrinites exsculptus* (Goldfuss), Miesen, 1971, p. 37, figs. 51, nos. e-g. Bohatý, 2010, p. 43.

*Hexacrinus exsculptus* (Goldfuss), Schultze, 1866, Pl. 9, figs. 2d-2f. Bohatý, 2010, p. 43.

*Hexacrinus exsculptus* Goldfuss sp. Steinmann and Doderlein, 1890, p. 160, Fig. 160, nos. A-B. Steinmann, 1903, p. 175, Fig. 241, nos. A-B. Steinman, 1907, p. 195, Fig. 276, nos. A-B. Bohatý, 2010, p. 43.

Devonian, early Givetian, upper part of Loogh Formation, Hustley Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline

*Megaradialocrinus* aff. *aliculatus* Bohatý, 2010, p. 43.

*Hexacrinites exsculptus* (Goldfuss), Hauser, 1997, Pl. 52, figs. 4, (?)5. Bohatý, 2010, p. 43.

Devonian, early Givetian, upper part of Loogh Formation, Hustley Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline

*Megaradialocrinus anaglypticus* (Goldfuss, 1839). Bohatý, 2010, p. 38, Fig. 6, nos. h-k.

*Platycrinites anaglypticus* Goldfuss, 1839, p. 348, Pl. 32, fig. 4. Bassler and

Moodey, 1943, p. 507. Spreng and Parks, 1953, p. 594, Fig. 1, nos. e, h.

Webster, 1977, p. 96. Smith, A. B., 1985, p. 166, Pl. 7.4.4. Webster, 1988, p. 94. Bohatý, 2010, p. 38.

- Platycrinus anaglypticus* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 155. Bohatý, 2010, p. 38.
- Hexacrinus anaglypticus* (Goldfuss, 1839). Schultze, 1866, p. 72 (adv. pub.). Schultze, 1867, p. 184, Pl. 8, fig. 1. Wilson, H. E., 1916, p. 510, Pl. 3, figs. 5-6. Wanner, 1943, p. 37, Unnum. Fig. p. 37. Bassler and Moodey, 1943, p. 507. Webster, 1977, p. 96. Bohatý, 2010, p. 38.
- Hexacrinites anaglypticus* var. *granulosa* Schultze, 1866, p. 73, Pl. 8, fig. 1h. Bohatý, 2010, p. 38.
- Hexacrinites anaglypticus* (Goldfuss, 1839). Bassler and Moodey, 1943, p. 507. Miesen, 1971, p. 33, Figs. 44, no. a; 44, no. c, 60, unnum. fig. above left only. Turek, 1988, p. 380, Fig. 3. Hauser, 1997, p. 139, Pls. 40, figs. 1-5; 41, figs. 1-6; 42, figs. 1-2. Hauser, 2001, Pls. 8, fig. 1; 24, figs. 2-2a only. Hauser in Hauser and Landeta, 2007, p. 32, fig. 9. Bohatý, 2010, p. 38.
- Hexacrinites anaglypticus granulosa* Schultze, 1866, p. 73. Schultze, 1867, p. 185, Pl. 8, fig. 1h. Hauser, 1887, p. 139. Bohatý, 2010, p. 38.
- Hexacrinus anaglypticus granulosa* (Schultze, 1866). Bassler and Moodey, 1943, p. 507. Hauser, 1887, p. 139. Hauser, 2001, p. 11, Fig. 5. Bohatý, 2010, p. 38. Devonian, Eifelian - Givetian, ?Ahabach Formation; Lough Formation, Hustley Member. Germany
- Megaradialocrinus angulosus* (Von Koenen, 1886). Bohatý, 2010, p. 30.
- Hexacrinus angulosus* von Koenen, 1886, p. 112, Pl. 1, figs. 6a-6d. Bassler and Moodey, 1943, p. 507.
- Hexacrinites angulosus* (von Koenen, 1886). Bassler and Moodey, 1943, p. 507. Devonian, Frasnian, *Cuboides* Biozone. Germany
- Megaradialocrinus brevis* (Goldfuss, 1839). Bohatý, 2010, p. 34, Figs. 4, nos. a-b; 5, nos. n-x, ?y.
- Platycrinites brevis* Goldfuss, 1839, p. 1, Pl. 32, fig. 2. Bassler and Moodey, 1943, p. 507.
- Platycrinus brevis* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 155.
- Hexacrinus brevis* (Goldfuss, 1839). Sandberger and Sandberger, 1850-1856, p. 398, Pl. 35, figs. 11-11a. Schultze, 1866, p. 79 (adv. pub.). Schultze, 1867, p. 191, Pl. 10, fig. 7. Holzapfel, 1895, p. 302. Bassler and Moodey, 1943, p. 507.
- Hexacrinites brevis* (Goldfuss, 1839). Bassler and Moodey, 1943, p. 507. Hauser, 1997, p. 142, Pls. 43, figs. 1-3; 44, fig. 1. Hauser, 2001, Pl. 9, fig. 6. Bohatý, 2010, p. 34.
- Hexacrinites gerolsteiniensis* Hauser, 1997, p. 147, Pl. 49, fig 1, Fig. 44. Bohatý, 2010, p. 30, 35.
- Subhexacrinites gerolsteiniensis* Hauser, 2004c, p. 17, Pl. 1, fig. 5. Bohatý, 2010, p. 30, 35.
- ?*Hexacrinites brevis* (Goldfuss, 1839). Bohatý, 2008, p. 10, Fig. 1, nox. a-b. Bohatý, 2010, p. 35.
- Devonian, Eifelian - Givetian, Lough Formation, Hustley Member, ?Rech Member. Germany

- ?*Megaradialocrinus buchii* (Roemer, 1843). Bohatý, 2010, p. 30 (misspelled as ?*M. buchii*).  
*Platycrinus buchii* Roemer, F. A., 1843, p. 9, Pl. 12, fig. 13. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 103. Roemer, F. A., 1866b, p. 227. Bassler and Moodey, 1943, p. 507.  
*Platycrinus (Cupellecrinus) buchii* Roemer, 1843. Bigsby, 1868, p. 22.  
*Hexacrinites buchii* (Roemer, 1843). Bassler and Moodey, 1943, p. 507.  
 Devonian, Givetian, *Stringocephalus* Limestone. Germany
- ?*Megaradialocrinus bulbiformis* Bohatý, 2010, p. 42, 46, Fig. 7, no. h.  
 Devonian, early Givetian, upper part of Lough Formation, Hustley Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline
- Megaradialocrinus callosus* (Schultze, 1866). Bohatý, 2010, p. 42, Fig. 7, no. i.  
*Hexacrinus callosus* Schultze, 1866, p. 83 (adv. pub.). Schultze, 1867, p. 195, Pl. 9, fig. 3. Bassler and Moodey, 1943, p. 507. Bohatý, 2010, p. 42.  
*Hexacrinites callosus* (Schultze, 1866). Bassler and Moodey, 1943, p. 507. Hauser, 1997, p. 143, Pl. 51, figs. 4-6 only (also given as Pl. 77, fig. 2, but there is no plate 77). Hauser, 2001, p. 19, 31, Pl. 4, figs. 2-3; Fig. 22, nos. 3-3b (given as Figs. 2, 2a p. 19, 31). Hauser, 2007, p. 14, Fig. 5, nos. a-c. Bohatý, 2010, p. 42.  
*Hexacrinites aff. callosus* (Schultze, 1867). Hauser, 1997, Pl. 44, fig. 2. Bohatý, 2010, p. 42.  
 Devonian, Givetian, ?Lough Formation. Germany
- ?*Megaradialocrinus campaniformis* (Bohatý, 2008). Bohatý, 2010, p. 30.  
 ?*Hexacrinites campaniformis* Bohatý, 2008, p. 19, Fig. 6, nos. a-c.  
 Devonian, middle Givetian. Germany
- ?*Megaradialocrinus chenaе* (Webster and Becker, 2009). Bohatý, 2010, p. 30.  
*Hexacrinites chenaе* Webster and Becker, 2009, p. 139, Fig. 4, nos. F-I.  
 Devonian, Givetian, Red Griotte Beds, Oued Mzerreb Member, Ahrerouch Formation. Morocco
- ?*Megaradialocrinus chirnsidensis* (Jell, 1999). Bohatý, 2010, p. 30.  
*Hexacrinites chirnsidensis* Jell, 1999a, p. 26, Fig. 18, nos. A-G.  
 Devonian, early Lochkovian, Humevale Formation. Australia, Victoria
- Megaradialocrinus confragosus* (Dubatolova, 1964). Bohatý, 2010, p. 30.  
*Hexacrinites confragosus* Dubatolova, 1964, p. 35, Pl. 4, figs. 1-2. Webster, 1973, p. 148. Hauser in Hauser and Landeta, 2007, p. 33, Fig. 10.  
 Early Devonian, series not given. Russia, Kuznetz Basin
- \**Megaradialocrinus conicus* Chen and Yao, 1993, p. 57, 90, Pl. 12, fig. 9; Fig. 32, nos. a-b. Webster, Waters and Chen, 2009, p. 142, Fig. 7, nos. k-m.  
 Devonian, late Eifelian or Givetian, Heyuanzhai Formation. China, Yunnan Province
- Megaradialocrinus crispus* (Quenstedt, 1861) [non *M. crispus* Dubatolova, 1964].  
 Bohatý, 2010, p. 42, Fig. 7, nos. j-l.



*Hexacrinus crispus* Quenstedt, 1861, p. 327, Unnum. Woodcut. Quenstedt, 1876, p. 562, Pl. 109, fig. 58. Quenstedt, 1885, p. 952, Fig. 357. Bassler and Moodey, 1943, p. 507. Bohatý, 2010, p. 42.

*Hexacrinites crispus* (Quenstedt, 1861). Bassler and Moodey, 1943, p. 507. Bohatý, 2006b, p. 474, Figs. 1, nos. a-d; 2, nos. a-d; 3, nos. a-f. Hauser, 2007, p. 16, Fig. 1. Bohatý, 2010, p. 42.

*Hexacrinus anaglypticus frondosa* Schultze, 1866, p. 73 (adv. pub.). Schultze, 1867, p. 185, Pl. 8, fig. 1i. Bassler and Moodey, 1943, p. 507. Hauser, 2001, p. 11, Pl. 25, fig. 2; fig. 4. Hauser, 2004d, p. 26. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus frondosus* (Schultze, 1866). Bassler and Moodey, 1943, p. 507. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus* aff. *frondosa* Miesen, 1971. Hauser, 1997, p. 139, Pl. 42, fig. 5. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites frondosus* Hauser, 2004d, p. 26, Figs. 20, 22, 23. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus* aff. *granulosa* (Schultze, 1866). Hauser, 1997, p. 139, Pl. 42, figs. 3-4. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus stellaris* (Schultze, 1866). Bassler and Moodey, 1943, p. 507. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinus anaglypticus stellaris* Schultze, 1866, p. 73 (adv. pub.). Schultze, 1867, p. 185, Pl. 8, fig. 1c. Neumayr, 1889, p. 433, 464, Figs. 122, 133. Bassler and Moodey, 1943, p. 507.

*Hexacrinites anaglypticus stellaris* Hauser, 2001, p. 11, Fig. 6. Hauser, 2004d, p. 33. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus* aff. *stellaris* Hauser, 1997, p. 139, Pl. 42, fig. 6. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinites anaglypticus* var. *stellaris* Schultze, 1866. Xu, 1963, p. 112, Pl. 1, figs. 12, 31; Fig. 4. Miesen, 1971, Pls. 11, fig. 44b; 12, figs. 45b-45c. Webster, 1973, p. 148. Bohatý, 2006b, p. 474. Bohatý, 2010, p. 42.

*Hexacrinus anaglypticus* var. *stellaris* Schultze, 1866. Hauser, 2004d, p. 33.

*Hexacrinites ludwigschultzei* Hauser, 2004d, p. 33, Pl. 1, figs. 8a-8b; Figs. 34-36. Bohatý, 2010, p. 42.

Devonian, Eifelian, Ahbach Formation; Givetian, Loogh Formation. Germany

*Megaradialocrinus echinatus* (Sandberger and Sandberger, 1856). Bohatý, 2010, p. 31.

*Hexacrinites echinatus* (Sandberger and Sandberger, 1855). Bassler and Moodey, 1943, p. 508. Bohatý, 2008, p. 11, Fig. 2, nos. a-d

*Hexacrinus echinatus* Sandberger and Sandberger, 1850-1856, p. 398, Pl. 35, figs. 10a-10c. Bassler and Moodey, 1943, p. 508.

Devonian, Givetian, *Stringocephalus* Limestone. Germany

*Megaradialocrinus elongatus* (Goldfuss, 1839). Bohatý, 2010, p. 312, Fig. 5, nos. a-j.

*Hexacrinites elongatus* (Goldfuss, 1839). Bassler and Moodey, 1943, p. 508.

Webster, 1973, p. 148. Hauser, 2001, Pls. 8, fig. 3; 25, fig. 1. Bohatý, 2001, p. 9.

Hauser in Hauser and Landeta, 2007, p. 31, Fig. 6. Hauser, 2007, p. 5, Pl. 1, figs.

1-22; Fig. 3. Bohatý, 2010, p. 32.

- Hexacrinus elongatus* (Goldfuss, 1839). Schultze, 1866, p. 74 (adv. pub.) . Schultze, 1867, p. 186, Pl. 9, fig. 4. Zittel, 1880, p. 332, 365, Figs. 227; 253, nos. a-c. Quenstedt, 1885, p. 953, Pl. 76, fig. 19. Zittel, 1895, p. 119, 128, Figs. 230, nos. a-b; 242, nos. a-c. Beyer, 1896, p. 89, Pl. 3, fig. 77. Wachsmuth *in* Zittel, 1900, p. 128, 140, Fig. 230, 241, nos. a-c. Frech, 1902, Pl. 27, figs. 6a-6b. Gürich, 1909, p. 109, Pl. 33, figs. 6a-6c. Bassler and Moodey, 1943, p. 508. Sieverts-Doreck, 1950, p. 80, Fig. 1, nos. a-c. Webster, 1973, p. 148.
- Platycrinites elongatus* Goldfuss, 1839, p. 345, Pl. 32, figs. 1a-1c. Bassler and Moodey, 1943, p. 508.
- Platycrinus elongatus* (Goldfuss, 1839). Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 155.
- Hexacrinites planus* Hauser, 2007. Bohatý, 2010, p. 31.
- Hexacrinites breimeri* Hauser, 2006. Bohatý, 2010, p. 31.
- Devonian, Eifelian- Givetian. Germany
- Megaradialocrinus exsculptus* (Goldfuss, 1839). Bohatý, 2010, p. 36, Fig. 6, nos. a-c.
- Platycrinites exsculptus* Goldfuss, 1839, p. 347, Pl. 32, figs. 3a-3c. Bassler and Moodey, 1943, p. 508. Bohatý, 2010, p. 38.
- Platycrinus exsculptus* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 155. Bohatý, 2010, p. 38.
- Hexacrinus exsculptus* (Goldfuss, 1839). Schultze, 1866, p. 77 (adv. pub.). Schultze, 1867, p. 189, Pl. 9, fig. 2. Quenstedt, 1885, p. 952, Pl. 76, fig. 18. Steinmann and Döderlein, 1890, p. 160, Fig. 160, nos. A-B. Holzapfel, 1895, p. 302. Steinmann, 1903, p. 175, Fig. 241, nos. A-B. Steinmann, 1907, p. 195, Fig. 276, nos. A-B. Paeckelmann, 1913, p. 335. Bassler and Moodey, 1943, p. 508.
- Hexacrinites exsculptus* (Goldfuss, 1839). Bassler and Moodey, 1943, p. 508. Hauser, 1997, p. 145, Pls. 47, figs. 5-6; 48, figs. 2-6; 52, figs. 2, 4-7. Hauser, 2001, Pls. 6, fig. 2; 8, fig. 5. Hauser, 2004d, p. 30, Fig. 30. Hauser *in* Hauser and Landeta, 2007, p. 32, Fig. 7. Bohatý, 2010, p. 38.
- Hexacrinites* sp. (*ornatus?*) Miesen, 1971. Bohatý, 2010, p. 38.
- Hexacrinites* cf. *elongatus* (Goldfuss, 1838). Hauser, 1997, Pl. 45, fig. 1. Bohatý, 2010, p. 38.
- Triplariocrinites exsculptus* (Goldfuss, 1839). Bassler, 1938, p. 188.
- Devonian, Eifelian - Givetian, Lough Formation, Hustley Member. Germany
- Megaradialocrinus* cf. *elongatus* (Goldfuss, 1839). Bohatý, 2010, p. 38.
- Hexacrinites* sp. (*ornatus?*) (Goldfuss, 1839). Miesen, 1971, p. 63, unnum. fig. below right. Bohatý, 2010, p. 38.
- Devonian, Eifelian - Givetian, Lough Formation, Hustley Member. Germany
- ?*Megaradialocrinus faniensis* (Maillieux, 1940). Bohatý, 2010, p. 31.
- Hexacrinus faniensis* Maillieux, 1940, p. 15, Pl. 2, figs. 1-1a.
- Hexacrinites faniensis* (Maillieux, 1940). Hauser, 1999, p. 76, Pl. 19, fig. 6. Hauser, 2002, p. 48, Pl. 9, figs. 1-2; Fig. 38. Bohatý, 2010, p. 31.
- Devonian, Frasnian, Neuville Formation. France and Belgium, Ardenne

- Megaradialocrinus frechi* (Charlesworth, 1914). Bohatý, 2010, p. 31.  
*Hexacrinus frechi* Charlesworth, 1914, p. 335, Pl. 28, fig. 8.  
*Hexacrinites frechi* (Charlesworth, 1914). *Nomen correctum*  
 Devonian, Givetian, Riffkalkes. Germany, Eastern Alps
- Megaradialocrinus gibbosus* (Bergougnieux, 1939). Bohatý, 2010, p. 31.  
*Hexacrinus gibbosus* Bergougnieux, 1939, p. 82, Pl. 6, figs. 1-2; Fig. 1-2. Webster,  
 1977, p. 96. Bohatý, 2010, p. 31.  
*Hexacrinites gibbosus* (Bergougnieux, 1939). Webster, 1977, p. 96. Hauser, 1999,  
 p.  
 75, Pl. 19, fig. 5; p. 77, Pls. 20, figs. 1-4, 6; 21, fig. 1; 25, fig. 6.  
*Hexacrinites donarius* Hauser, 1999, p. 75, Pl. 19, fig. 5. Bohatý, 2010, p. 31.  
 Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne
- Megaradialocrinus globohirsutus* Bohatý, 2010, p. 46, Fig. 7, nos. r-u.  
*Hexacrinites* sp. (n. sp.) Hauser, 1997, Pl. 44, figs. 4-6. Bohatý, 2010, p. 46.  
*Hexacrinites magnificus* Hauser, 2007 (non Quenstedt, 1866) p. 12, Fig. 4, nos. a-c.  
 Bohatý, 2010, p. 28.  
 Devonian, early Givetian, middle part of Loogh Formation, lower part of Barley  
 Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline
- ?*Megaradialocrinus granuliferus* (Roemer, 1844). Bohatý, 2010, p. 31.  
*Platycrinus granuliferus* Roemer, F. A., 1843, p. 63, Pl. 3, fig. 4. Bronn, 1848, p.  
 993. d'Orbigny, 1850, p. 103. Bassler and Moodey, 1943, p. 508.  
*Hexacrinites granuliferus* (Roemer, 1843). Bassler and Moodey, 1943, p. 508.  
 ?*Hexacrinites granuliferus* (C. F. Roemer, 1844). Bohatý, 2008, p. 13, Fig. 3, nos. a-  
 d.  
*Hexacrinites granulifer* Sandberger and Sandberger, 1856. Bohatý, 2010, p. 31.  
*Hexacrinus granulifer* (Roemer, 1852). Sandberger and Sandberger, 1850-1856,  
 p. 397, Pl. 35, fig. 9. Holzapfel, 1895, p. 301, Pl. 12, fig. 21. Bassler and  
 Moodey, 1943, p. 508.  
*Hexacrinites microglyphicus* (Whidborne, 1889). Bassler and Moodey, 1943, p. 509.  
 Bohatý, 2010, p. 31.  
*Hexacrinus microglyphicus* Whidborne, 1889, p. 79. Whidborne, 1895, p. 196, Pl.  
 23,  
 figs. 1-2. Bassler and Moodey, 1943, p. 509.  
*Hexacrinus vicarii* Whidborne, 1889, p. 79. Whidborne, 1895, p. 197, Pl. 23, figs. 4-  
 5. Bassler and Moodey, 1943, p. 511.  
*Hexacrinites vicarii* (Whidborne, 1889). Bassler and Moodey, 1943, p. 511. Bohatý,  
 2010, p. 31.  
 Devonian, Eifelian - Givetian, *Stringocephalus* Limestone. Germany; United  
 Kingdom
- Megaradialocrinus heidelbergeri* (Bohatý, 2008). Bohatý, 2010, p. 31.  
 ?*Hexacrinites heidelbergeri* Bohatý, 2008, p. 21, Fig. 7, nos. a-c.  
 Devonian, Givetian. Germany

- Megaradialocrinus hieroglyphicus* (Goldfuss, 1839). Bohatý, 2010, p. 39, Fig. 6, nos. r-s.
- Platycrinites hieroglyphicus* Goldfuss, 1839, p. 344, Pl. 31, fig. 9. Bassler and Moodey, 1943, p. 621. Hauser, 1997, Pl. 53.
- Platycrinus hieroglyphicus* (Goldfuss, 1839). Bronn, 1848, p. 993. d'Orbigny, 1850, p. 103. Dujardin and Hupé, 1862, p. 152.
- Hexacrinites hieroglyphicus* (Goldfuss, 1839). Hauser, 2004, p. 27, Pl. 2, figs. 2a-2b, 3; Figs. 24-25, 27-28 only. Bohatý and Herbig, 2007, p. 731, Figs. 3, nos. A-c; 5, nos. A-H. Bohatý, 2010, p. 39.
- Hexacrinites marginata* (Schultze, 1866). Hauser, 1997, p. 152, Pl. 50, figs. 7-8 (fig. 8 = oral view of fig. 7, not of fig. 6 as given in explanation). Bohatý, 2010, p. 39.
- Hexacrinites aff. marginata* (Schultze, 1866). Hauser, 1997, Pl. 53, fig. 4. Bohatý and Herbig, 2007, p. 734. Bohatý, 2010, p. 39.
- ?*Hexacrinites ornatus* (Goldfuss, 1839). Hauser, 2001, Pl. 25, figs. (?)3-3a. Bohatý, 2010, p. 39.
- Hexacrinites* sp. Hauser, 2001, p. 183. Bohatý, 2010, p. 39.  
Devonian, Eifelian, Eifeler Kalks. Germany
- ?*Megaradialocrinus humei* (Springer, 1926c). Bohatý, 2010, p. 31.
- Hexacrinus humei* Springer, 1926c, p. 132, Pl. 24, figs. 18-19. Bassler and Moodey, 1943, p. 508.
- Hexacrinites humei* (Springer, 1926). Bassler and Moodey, 1943, p. 508.  
Devonian, Frasnian. Canada, Northwest Territories
- ?*Megaradialocrinus infundibulum* (von Koenen, 1886). Bohatý, 2010, p. 31.
- Hexacrinus infundibulum* von Koenen, 1886, p. 112, Pl. 1, figs. 3a-3e. Bassler and Moodey, 1943, p. 508.
- Hexacrinites infundibulum* (von Koenen, 1886). Bassler and Moodey, 1943, p. 508. Hauser, 1999, Pl. 25, fig. 4.  
Devonian, Frasnian, *Cuboides* Biozone. Germany
- ?*Megaradialocrinus inhospitalis* (Schmidt, 1934). Bohatý, 2010, p. 31.
- Hexacrinites inhospitalis* (Schmidt, 1934). Bassler and Moodey, 1943, p. 508.
- Hexacrinus inhospitalis* Schmidt, W. E., 1934, p. 48, Pl. 4, fig. 2; Fig. 7, nos. a-a<sub>1</sub>. Bassler and Moodey, 1943, p. 508.  
Devonian, early Emsian, Hunsrückschiefer. Germany
- Megaradialocrinus invitabilis* (Dubatolova, 1964). Bohatý, 2010, p. 31.
- Hexacrinites invitabilis* Dubatolova, 1964, p. 36, Pl. 4, fig. 5. Webster, 1973, p. 148.  
Early Devonian, series not given. Russia, Kuznetz Basin
- Megaradialocrinus iowensis* (Thomas, 1924). Bohatý, 2010, p. 31.
- Hexacrinus iowensis* Thomas, A. O., 1924, p. 462, Pl. 42, figs. 10-13. Bassler and Moodey, 1943, p. 509.
- Hexacrinites iowensis* (Thomas, 1924). Bassler and Moodey, 1943, p. 509.  
Devonian, Frasnian, Shell Rock Limestone. United States, Iowa

- ?*Megaradialocrinus leai* (Lyon, 1869). Bohatý, 2010, p. 31.  
*Platycrinus leai* Lyon, 1869, p. 459, Pl. 26, figs. g-g-1. Bassler and Moodey, 1943, p. 509.  
*Hexacrinus leai* (Lyon, 1869). Wachsmuth and Springer, 1897, p. 746, Pl. 78, fig. 12. Miller, S. A., 1897, p. 747. Bassler and Moodey, 1943, p. 509.  
*Hexacrinites* (?*Platyhexacrinus*) *leai* (Lyon, 1869). Bassler and Moodey, 1943, p. 509.  
 Devonian, Emsian - Givetian, Jeffersonville Limestone, Onondaga Limestone, Silica Shale. United States, Kentucky, New York, Ohio
- Megaradialocrinus limbatus* (Müller, 1856). Bohatý, 2010, p. 39, Fig. 7, nos. a-d.  
*Hexacrinus limbatus* Müller, J., 1856, p. 354. Müller, J., 1857, p. 248, Pl. 1, figs. 5-9; 2, fig. 1. Schultze, 1866, p. 78 (adv. pub.). Schultze, 1867, p. 190, Pl. 9, fig. 1. Bassler and Moodey, 1943, p. 509. Bohatý, 2010, p. 41.  
*Hexacrinites limbatus* (Müller, 1856). Bassler and Moodey, 1943, p. 509. Ubaghs in Moore and Teichert, 1978, p. T475, Fig. 279, no. 1d. Webster, 1986, p. 170. Hauser, 1997, p. 149, Pl. 50, figs. 1-3. Hauser, 2001, Pl. 28, fig. 4. Bohatý, 2010, p. 41.  
*Hexacrinites cf. limbatus* (Mueller), Hauser, 2001, Pl. 28, fig. 3. Bohatý, 2010, p. 41. Devonian, Eifelian/Givetian, Boundary beds Ahbach-Loogh Formations. Germany
- Megaradialocrinus lobatus* (Müller, 1857). Bohatý, 2010, p. 41.  
*Hexacrinus lobatus* Müller, J., 1857, p. 248, Pl. 1, figs. 10-12. Schultze, 1866, p. 84 (adv. pub.). Schultze, 1867, p. 196, Pl. 10, fig. 6. Quenstedt, 1885, p. 953, Pl. 76, fig. 21. Bassler and Moodey, 1943, p. 509.  
*Hexacrinites lobatus* (Müller, 1857). Bassler and Moodey, 1943, p. 509. Polyarnarya, 1986, p. 79, Unnum. Pl., fig. 1; Fig. 3. Webster, 1993, p. 68. Hauser, 2001, Pl. 12, fig. 1. Bohatý, 2010, p. 41.  
*Hexacrinites cf. lobatus* (Müller, 1856). Hauser, 1997, p. 150, Pl. 50, figs. 5-6. Bohatý, 2010, p. 41.  
 Devonian, Eifelian - Givetian. Germany; Russia, east slope Ural Mountains
- Megaradialocrinus ludwigschultzei* (Hauser, 2004) = *Megaradialocrinus chrispus*
- ?*Megaradialocrinus macrotatus* (Austin and Austin, 1845). Bohatý, 2010, p. 31.  
*Hexacrinites taluxaiensis* Hauser, 2007, p. 32 Fig. 8. Bohatý, 2010, p. 31.  
 Middle Devonian, series not given. United Kingdom
- Megaradialocrinus marginatus* (Schultze, 1866). Bohatý, 2010, p. 33, Fig. 5, nos. k-m.  
*Hexacrinus ornatus marginatus* Schultze, 1866, p. 82 (adv. pub.). Schultze, 1867, p. 194. Bassler and Moodey, 1943, p. 510. Bohatý, 2010, p. 33.  
*Hexacrinites ornatus marginatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 510.  
*Hexacrinites marginatus* (Schultze, 1866). Hauser, 1997, p. 152, Pl. 50, figs. 7-8. Hauser, 2001, p. 11, Fig. 7, nos. 9-9b. Hauser, 2004d, p. 27. Bohatý and Hervig, 2007, p. 735, Figs. 1; 2, nos. A-C; 4; 6, nos. A-C; 7, nos. A-K. Bohatý, 2010, p.

33.  
*Hexacrinites marginata* (Schultze, 1866). Hauser, 1997, p. 152. Hauser, 2001, p. 194.  
*Hexacrinites aff. marginata* (Schultze, 1866). Hauser, 1997, Pl.53, fig. 4. Bohatý, 2010, p. 33.  
*Hexacrinites (?)ornatus* (Goldfuss); Hauser, 1997, p. 213. Bohatý, 2010, p. 39.  
*Hexacrinites* sp. Hauser, 2001, p. 183, Pl. 3, fig. 2. Bohatý and Herbig, 2007, p. 734. Bohatý, 2010, p. 39.  
*Hexacrinites hieroglyphicus* (Goldfuss), Hauser, 2004d, p. 27, Pl. 1, figs. 2a-2b, 3; Figs. 24-25, 27-28, non Fig. 26. (misspelled as *Hexacrinites hieroglyphicus*). Bohatý and Herbig, 2007, p. 734. Bohatý, 2010, p. 33.  
*Hexacrinus exculptus* (Goldfuss), Dohm 1976. Bohatý, 2010, p. 33, 39.  
 Devonian, early Givetian, Loogh Formation, upper part of Hustley Member. Germany
- Megaradialocrinus minor* (Dewalque in Fraipont, 1884). Bohatý, 2010, p. 31.  
*Hexacrinus minor* Dewalque, in Fraipont, 1884, p. 110, Pl. 1, figs. 4a-4b. Maillieux, 1940, p. 14. Bassler and Moodey, 1943, p. 509. Bohatý, 2010, p. 31.  
*Hexacrinites minor* (Dewalque, 1884). Bassler and Moodey, 1943, p. 509. Hauser, 1999, p. 82, Pls. 22, figs. 1-10; 25, fig. 3; Fig. 28.  
*Hexacrinites compactus* Hauser, 1999, p. 73, Pl. 19, figs. 1-4. Bohatý, 2010, p. 31.  
*Hexacrinites gosseleti* Hauser, 1999, p. 79, Pls. 21, figs. 2-7; 15, fig. 2; Fig. 27. Bohatý, 2010, p. 31.  
*Hexacrinites schnuri* Hauser, 1999, p. 86, Pl. 24, fig. 3. Bohatý, 2010, p. 31.  
*Hexacrinites senzeilleianus* Hauser, 1999, p. 87, Pl. 24, fig. 4. Bohatý, 2010, p. 31.  
 Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne
- Megaradialocrinus mui* (Xu, 1963). Bohatý, 2010, p. 31.  
*Hexacrinites mui* Xu, 1963, p. 111, Pl. 1, figs. 7-11; Fig. 3. Webster, 1973, p. 148. Middle Devonian, series not given. China, Kwangsi Province
- ?*Megaradialocrinus neuvilleanus* (Hauser, 2003). Bohatý, 2010, p. 31.  
*Hexacrinites neuvilleanus* Hauser, 2003, p. 19, Pl. 2, figs. 6-8.  
 Devonian, Frasnian, Neuville Formation. Belgium
- ?*Megaradialocrinus nitidus* (Hauser, 2002). Bohatý, 2010, p. 31.  
*Hexacrinites nitidus* Hauser, 2002, p. 49, Pl. 11, figs. 1-1b; Fig. 39.  
 Devonian, latest Frasnian, Büdesheim Formation. Germany
- Megaradialocrinus nodifer* (Schultze, 1866). Bohatý, 2010, p. 31.  
*Hexacrinus nodifer* Schultze, 1866, p. 84 (adv. pub.). Schultze, 1867, p. 196, Pl. 10, fig. 3. Bassler and Moodey, 1943, p. 509.  
*Hexacrinites nodifer* (Schultze, 1866). Bassler and Moodey, 1943, p. 509. Hauser, 1997, p. 153, Pl. 50, fig. 4. Hauser, 2001, p. 10, 20, 34, Pl. 5, figs. 2-3a; 8, fig. 1; Fig. 25.  
 Devonian, Givetian, Loogh Formation, ?Rech Member. Germany

- Megaradialocrinus occidentalis* (Wachsmuth and Springer, 1897). Bohatý, 2010, p. 31.  
*Hexacrinus occidentalis* Wachsmuth and Springer, 1897, p. 745, Pl. 78, fig. 10.  
 Miller, S. A., 1897, p. 747. Thomas, A. O., 1924, p. 459, Pl. 42, fig. 1. Bassler and Moodey, 1943, p. 509.  
*Hexacrinites occidentalis* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 509. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 12. Moore and Laudon, 1944, p. 197, Pl. 78, fig. 8. Webster, 1973, p. 148. Broadhead, 1985, p. 208, Fig. 2, no. E. Webster, 1988, p. 94.  
 Devonian, Givetian, Cedar Valley Formation. United States, Iowa
- Megaradialocrinus ornatus* (Goldfuss, 1839). Bohatý, 2010, p. 36, Figs. 5, no. z; 6, no. t.  
*Platycrinites ornatus* Goldfuss, 1839, p. 347. Bassler and Moodey, 1943, p. 510.  
*Platycrinus ornatus* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 155. Bohatý, 2010, p. 36.  
*Hexacrinites ornatus* (Goldfuss, 1839). Bassler and Moodey, 1943, p. 510. Hauser, 1997, p. 154, Pl. 52, fig. 1. Hauser, 2001, Pls. 5, fig. 1; 9, fig. 2; 25, fig. 3. Hauser, 2004d, p. 30, Fig. 29. Bohatý, 2010, p. 36.  
*Hexacrinus ornatus* (Goldfuss, 1839). Schultze, 1866, p. 82 (adv. pub.). Schultze, 1867, p. 194, Pls. 8, fig. 4; 10, fig. 9. Holzappel, 1895, p. 302. Whidborne, 1895, p. 195, Pl. 22, figs. 11-11a. Beyer, 1896, p. 89, Pl. 3, fig. 78. Bassler and Moodey, 1943, p. 510.  
*Hexacrinites exsculptus* (Goldfuss), Hauser, 1997, Pl. 52, Fig. 6. Bohatý, 2010, p. 36.  
 ?*Hexacrinites ornatus* (Goldfuss), Bohatý, 2008, p. 12, Fig. 2, no. e. Bohatý, 2010, p. 36.  
 Devonian, Givetian, Lough Formation. Germany
- ?*Megaradialocrinus pentangularis* (Austin and Austin, 1845). Bohatý, 2010, p. 31.  
*Hexacrinus pentangularis* Austin and Austin, 1845, p. 51, Pl. 7, figs. 1a-1c. Bassler and Moodey, 1943, p. 510.  
*Hexacrinites pentangularis* (Austin and Austin, 1845). Bassler and Moodey, 1943, p. 510.  
*Hexacrinus quintangulus* Whidborne, 1889, p. 79. Whidborne, 1895, p. 198, Pl. 23, figs. 6-7. Bassler and Moodey, 1943, p. 510.  
 Middle Devonian. United Kingdom
- ?*Megaradialocrinus perarmatus* (Whidborne, 1889). Bohatý, 2010, p. 31.  
*Hexacrinus perarmatus* Whidborne, 1889, p. 79. Whidborne, 1895, p. 194, Pl. 22, figs. 9-10. Bassler and Moodey, 1943, p. 510.  
*Hexacrinites perarmatus* (Whidborne, 1889). Bassler and Moodey, 1943, p. 510.  
 Middle Devonian. United Kingdom
- ?*Megaradialocrinus persiaensis* (Webster et al., 2007). Bohatý, 2010, p. 31.  
*Hexacrinites persiaensis* Webster, Maples, and Yazdi, 2007, p. 1109, Fig. 3, nos. 1-4. Bohatý, 2008, p. 19.

Devonian, Famennian, F4, Shishtu Formation. central Iran

- Megaradialocrinus piriculaformis* Bohatý, 2010, p. 41, Fig. 7, nos. e-g.  
 Crinoide sp. indet. D (? Jugendform von *Hexacrinites* sp.) Hauser, 1997, Pl. 39, fig. 11. Bohatý, 2010, p. 44.  
*Hexacrinites clarkei* Hauser, 2009. Bohatý, 2010, p. 31.  
 Devonian, early Givetian, upper part of Loogh Formation, Hustley Member, *hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline
- ?*Megaradialocrinus piriformis* (Schultze, 1866). Bohatý, 2010, p. 39, Fig. 6, nos. p-q.  
*Hexacrinus piriformis* Schultze, 1866, p. 76 (adv. pub.). Schultze, 1867, p. 188, Pl. 10, figs. 1-1c. Bassler and Moodey, 1943, p. 510. Hauser, 1997, p. 161, Pl. 52, fig. 8 (misspelled as *Hexacrinites pyriformis*). Bohatý, 2010, p. 39.  
*Hexacrinites piriformis* (Schultze, 1866). Bassler and Moodey, 1943, p. 510. Hauser, 1997, p. 161, Pl. 52, fig. 8. Hauser, 2001, p. 20, 36, Pl. 7, fig. 3; Fig. 26. Bohatý, 2010, p. 39.  
*Hexacrinites pyriformis* (Schultze, 1866). Miesen, 1971, p. 39, Fig. 55a-55b, ?55c. Bohatý, 2010, p. 39.  
 Devonian, Givetian, Loogh Formation, Hustley Member. Germany
- Megaradialocrinus prokopi* (Bohatý, 2006). Bohatý, 2010, p. 31.  
*Hexacrinites prokopi* Bohatý, 2006b, p. 480.  
*Hexacrinus crispus* Dubatolova, 1964. Bohatý, 2006b, p. 480.  
 Early Devonian, series not given. Russia, Kuuznets Basin
- Megaradialocrinus rigel* (Prokop, 1982). Bohatý, 2010, p. 31.  
*Hexacrinites rigel* Prokop, 1982b, p. 278, Pls. 1, figs. 1-5; 2, figs. 1-5; 3, figs. 1-12. Webster, 1988, p. 94. Prokop and Petr, 1990, p. 43, 44. Webster, 1993, p. 69. Chlupac *in* Chlupac *et al.*, 1998, Pl. 52, Fig. 10.  
 Devonian, Pragian - early Emsian, Zlichov Formation, Dvorce-Prokop Limestone. Czech Republic, Bohemia
- Megaradialocrinus spinosus* (Müller, 1856). Bohatý, 2010, p. 31.  
*Hexacrinites spinosus* Müller, J., 1856, p. 354. Müller, J., 1857, p. 247, Pl. 1, figs. 13-14. Bassler and Moodey, 1943, p. 510. Jell *et al.*, 1988, p. 370, Fig. 12, nos. A-F. Webster, 1993, p. 69. Hauser, 2001, p. 20, 38, Pl. 7, figs. 1-1a; Fig. 27.  
*Hexacrinus spinosus* (Müller, 1856). Zittel, 1880, p. 365, Fig. 253, nos. d-e.  
 Devonian, Eifelian - Givetian, Papilio Formation. Germany; Australia, Queensland
- Megaradialocrinus theissi* Bohatý, 2010, p. 46, Fig. 7, nos. m-q.  
*Hexacrinites exsculptus* (Goldfuss, 1838); Hauser, 1997, Pl. 52, fig. 7.  
 Devonian, early Givetian, upper part of Loogh Formation, *hemiansatus* Conodont Biozone. Germany
- ?*Megaradialocrinus trelonensis* (Hauser, 2003). Bohatý, 2010, p. 32.  
*Hexacrinites trelonensis* Hauser, 2003, p. 20, Pl. 6, figs. 1-2.  
 Devonian, Frasnian, Neuville Formation. Belgium



- Megaradialocrinus triradiatus* (Schultze, 1866). Bohatý, 2010, p. 32.  
*Hexacrinus triradiatus* Schultze, 1866. Hauser, 2004d, p. 35. Bohatý, 2010, p. 32.  
*Hexacrinites triradiatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 510.  
 Hauser, 1997, p. 159, Pls. 53, fig. 6; 54, figs. 1-2. Hauser, 2001, p. 12, Fig. 9.  
 Schultze, 2004d, p. 36, Figs. 37, 39-41. Hauser, 2008, p. 31, Pls. 1, figs. 3-4; 5,  
 fig. 1; 12, fig. 1; 14, fig. 8; Fig. 72. Bohatý, 2010, p. 32.  
 Devonian, Eifelian/Givetian, Boundary beds Ahbach/Loogh Formations; Loogh  
 Formation, Hustley Member. Germany
- Megaradialocrinus tuberculatus* (von Koenen, 1886). Bohatý, 2010, p. 32.  
*Hexacrinites ubaghsi* Hauser, 1999, p. 90, Pl. 24, fig. 5. Hauser, 2002, p. 51, Pls. 9,  
 figs. 4, 6-6a; 11, fig. 3; 12, figs. 1-1b; Fig. 40. Bohatý, 2010, p. 32.  
*Hexacrinites ardennicus* Hauser, 1999, p. 72, Pls. 23, fig. 6; 24, fig. 1; Fig. 30.  
 Bohatý, 2010, p. 32.  
 Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne
- Megaradialocrinus turritus* (Bohatý, 2006). Bohatý, 2010, p. 38, Fig. 6, nos. 1-o.  
*Hexacrinites turritus* Bohatý, 2006e, p. 265, Figs. 2; 5, nos. 1-4; 6, nos. 1-6. Bohatý,  
 2010, p. 38.  
*Hexacrinites triradiatus* (Schultze), Hauser, 1997, p. 159 Pls. 53, fig. 6; 54, figs. 1-2.  
 Bohatý, 2006e, p. 265, Fig. 3, nos. 1-2. Bohatý, 2010, p. 38.  
*Hexacrinites thomasbeckeri* Hauser, 2004d, p. 35, Pl. 2, figs. 7-8 (part). Bohatý,  
 2006e, p. 265, Fig. 4, nos. 1-2. Bohatý, 2010, p. 38.  
 Devonian, early Givetian, upper part of Loogh Formation. Germany
- Megaradialocrinus unterthalensis* (Bohatý, 2006). Bohatý, 2010, p. 32.  
*Hexacrinites unterthalensis* Bohatý, 2006d, p. 249, Figs. 3, 4, nos. 1-12.  
 Devonian, Givetian, lower part of Plattenkalks. Germany
- Megaradialocrinus ventricosus* (Goldfuss, 1831). Bohatý, 2010, p. 32.  
*Platycrinites ventricosus* Goldfuss, 1831, p. 189, Pl. 58, figs. 4a-4c. (Basal circlet,  
 GDW) Bassler and Moodey, 1943, p. 511.  
*Platycrinus ventricosus* (Goldfuss, 1831). Bronn, 1848, p. 993. d'Orbigny, 1850, p.  
 103. Dujardin and Hupé, 1862, p. 152.  
*Hexacrinus ventricosus* (Goldfuss, 1831). Schultze, 1866, p. 85 (adv. pub.).  
 Schultze, 1867, p. 197, Pl. 10, fig. 2. Bassler and Moodey, 1943, p. 511.  
*Hexacrinites ventricosus* (Goldfuss, 1831). Bassler and Moodey, 1943, p. 511.  
 Hauser, 1997, p. 162, Pl. 53, figs. 2-3. Hauser, 2001, p. 21, 42, Pls. 3, fig. 5; 6,  
 fig. 1; 9, fig. 3; Figs. 30-31.  
*Hexacrinites sartenaeri* Hauser, 1999, p. 83, Pl. 23, figs. 2-5, 7; Figs. 29, 31.  
 Hauser,  
 2003, p. 22, Pl. 6, fig. 5. Bohatý, 2010, p. 32.  
*Hexacrinites koeneni* Hauser, 1999, p. 80, Pl. 25, fig. 5; Fig. 28. Bohatý, 2010, p. 32.  
 Devonian, Eifelian, Ahbach Formation; ?Junkerberg Formation. Germany  
 Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne
- ?*Megaradialocrinus villmarensis* (Bohatý, 2008). Bohatý, 2010, p. 32.

?*Hexacrinites villmarensis* Bohatý, 2008, p. 22, Fig. 8.  
Devonian, Givetian. Germany

*Megaradialocrinus winteri* Bohatý, 2010, p. 38, Fig. 6, nos. u-z.  
*Hexacrinites* sp. aff. *Hexacrinites callosus* (Schultze, 1867). Hauser, 1997, Pl. 53,  
fig. 1. Bohatý, 2010, p. 44.  
Devonian, early Givetian, upper part of Loogh Formation, Hustley Member,  
*hemiansatus* Conodont Biozone. Germany, Gerolstein Syncline

*Megaradialocrinus yui* (Xu, 1963). Bohatý, 2010, p. 32.  
*Hexacrinites yui* Xu, 1963, p. 109, Pl. 1, figs. 1-6; Fig. 2. Webster, 1973, p. 149.  
Middle Devonian, series not given. China, Kwangsi Province

**MEGISTOCRINUS** Owen and Shumard, 1852. \**Actinocrinus evansii* Owen and  
Shumard, 1850.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Periechocrinidae

Owen and Shumard, 1852, p. 594. Shumard, 1868, p. 380. Bigsby, 1868, p. 22.  
Zittel, 1880, p. 344, 371. Wachsmuth and Springer, 1881, p. 96 (270). Miller, S.  
A., 1889, p. 260. Zittel, 1895, p. 128. Wachsmuth and Springer, 1897, p. 532.  
Bather *in* Lankester, 1900, p. 168. Wachsmuth *in* Zittel, 1900, p. 144. Grabau  
and Shimer, 1910, p. 538. Springer *in* Zittel, 1913, p. 105. Bassler, 1938, p.  
130. Bassler and Moodey, 1943, p. 549. Moore and Laudon, 1943b, p. 92, Fig.  
15. Moore and Laudon, 1944, p. 191, Pl. 71, fig. 3. Moore, 1950, Fig. 1, no. g.  
Ubaghs, 1953, p. 739. Webster, 1973, p. 168. Macurda, 1974, p. 823, Figs. 1-2.  
Webster, 1977, p. 108. Ubaghs *in* Moore and Teichert, 1978, p. T446.

Westhead,

1978, p. 484. Arendt, 1983d, p. 92. Webster, 1986, p. 200. Lane and  
Sevastopulo, 1987, p. 200. Webster, 1988, p. 110. Webster, 1993, p. 77.  
Donovan and Lewis, 2003, p. 1.

**MAGESTOCRINUS** Lyon, 1862, p. 412.

**TYLOCRINUS** Wood, E., 1904, p. 66. \**T. novus* Wood, 1904. Bassler, 1938, p.  
189. Bassler and Moodey, 1943, p. 549. Ubaghs *in* Moore and Teichert, 1978,  
p. T446.

Named, currently recognized species based on cups or crowns: 36 species, 4  
subspecies. 35 Devonian, 1 Pragian – Emsian, 3 Emsian, 10 Eifelian – Givetian  
(+3 subspecies); 20 Givetian, 1 Famennian; 2 Mississippian, 1 Tournaisian, 1  
Viséan (+1 subspecies)

Devonian, Emsian - Mississippian, Viséan (Osagean). North America

Mississippian, early Viséan. United Kingdom

Devonian, Pragian - Emsian. New Zealand, Germany

*Megistocrinus abnormis* (Lyon, 1857). Shumard, 1868, p. 380. Miller, S. A., 1889, p.  
260. Wood, E., 1904, p. 63, Pl. 15, fig. 5. Grabau and Shimer, 1910, p. 538.  
Bassler and Moodey, 1943, p. 549.

*Actinocrinus abnormis* Lyon, 1857, p. 479, Pl. 4, figs. 1a-1b. Shumard, 1868, p.  
380. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 549.

?*Megistocrinus abnormis* (Lyon, 1857). Wachsmuth and Springer, 1897, p. 546, Pl. 49, figs. 1a-1c. Bassler and Moodey, 1943, p. 549.  
Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Kentucky, Indiana

?*Megistocrinus abnormis* (Lyon, 1857) = *Megistocrinus abnormis*

*Megistocrinus?* *bifrons* Schmidt, 1932 = *Pyxidocrinus?* *bifrons*

*Megistocrinus brevicornis* (Hall, 1858) = *Megistocrinus evansii*

*Megistocrinus broadheadi* Branson and Wilson, 1922, p. 65, Pl. 8, figs. 5-7. Bassler and Moodey, 1943, p. 550. Branson, E. B., 1944, p. 130, Pl. 21, fig. 4. Webster, 1973, p. 169.  
Devonian, late Givetian, Mineola Limestone. United States, Missouri

*Megistocrinus christyi* (Hall, 1865) = *Periechocrinus whitfieldi*

*Megistocrinus circulus* Rowley, R. R., 1904b, p. 181, Pl. 54, figs. 2-4. Bassler and Moodey, 1943, p. 550.  
Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

*Megistocrinus clarkei* Thomas, A. O., 1924, p. 449, Pls. 40, figs. 1-8; 46, fig. 9, Fig. 70. Bassler and Moodey, 1943, p. 550.  
Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Megistocrinus concavus* Wachsmuth, 1885, p. 20 (adv. pub.). Wachsmuth, 1886, p. 96.  
Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 543, Pl. 48, figs. 5a-5c. Thomas, A. O., 1924, Pl. 389, fig. 8. Bassler and Moodey, 1943, p. 550. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 12. Webster, 1973, p. 169.  
Devonian, late Givetian, Traverse Group, Thunder Bay Limestone. United States, Michigan

*Megistocrinus corniger* Rowley, R. R., 1901b, p. 71, Pl. 24, figs. 1-4. Rowley, R. R., 1903d, p. 145, Pl. 42, figs. 8, 10-12. Bassler and Moodey, 1943, p. 550.  
Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

*Megistocrinus crassus* White, 1862 = *Megistocrinus evansii* var. *crassus* = *M. evansii* *crassus*

*Megistocrinus depressus* (Hall, 1862). Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 540, Pl. 49, figs. 2-4d. Grabau and Shimer, 1910, p. 538. Goldring, 1923, p. 226, Pl. 33. Bassler and Moodey, 1943, p. 550. Moore and Laudon, 1942, p. 74, Fig. 4, no. F. Goldring, 1945, p. 61. Webster, 1973, p. 169.

*Actinocrinus* (*Megistocrinus*) *depressus* Hall, 1862a, p. 106. Hall, 1862b, p. 134. Bassler and Moodey, 1943, p. 550.

*Actinocrinus pocillum* Hall, 1862a, p. 106. Hall, 1862b, p. 134. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Bassler and Moodey, 1943, p. 550.

*Gennaeocrinus pocillum* (Hall, 1862). Miller, S. A., 1889, p. 247.

Devonian, Eifelian - Givetian, Moscow Shale; Tully Limestone; Tichenor Limestone; Wanakah Shale; Widder Shale; Sellersburg Limestone; Columbus Limestone. United States, New York, Ohio, Indiana; Canada, Ontario

*Megistocrinus* sp. cf. *M. depressus* Hall, 1862. Fraunfelder, 1974, p. 13, Pl. 1, fig. 17. Webster, 1986, p. 200.

Devonian, Givetian, Lingle Limestone. United States, Missouri

*Megistocrinus devonicus* Charlesworth, 1914, p. 337, Pl. 29, fig. 1; Fig. 2.

Devonian, Givetian, Riffkalkes. Germany, Eastern Alps

*Megistocrinus evansi* (Owen and Shumard, 1850) = *Megistocrinus evansii*

\**Megistocrinus evansii* (Owen and Shumard, 1850). Owen and Shumard, 1852, p. 594, Pl. 5a, figs. 3a-3b. Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260; Keyes, 1894a, p. 167, Pl. 22, fig. 5. Wachsmuth and Springer, 1897, p. 533, Pls. 2, figs. 14, 20; 47, figs. 1-5c. Weller, S., 1898c, p. 347. Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 550. Moore and Laudon, 1942, p. 74, Fig. 4, no. E. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 11. Haugh, 1973a, p. 82, Pls. 1, fig. 2; 2, fig. 4. Webster, 1973, p. 169. Webster, 1977, p. 109. Ubaghs *in* Moore and Teichert, 1978, p. T446, Fig. 255, nos. 1a-1b. Webster, 1986, p. 201.

*Megistocrinus evansi* (Owen and Shumard, 1850). Lesley, 1889, p. 389, Figs. 3a-b (sic). Keyes, 1890a, Pl. 9, fig. 1 (sic). Grabau and Shimer, 1910, p. 538, Fig. 1867.

*Actinocrinus evansii* Owen and Shumard, 1850, p. 68, Pl. 7, figs. 3a-3b. Shumard, 1868, p. 380. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 550.

*Actinocrinus brevicornis* Hall, 1858c, p. 571, Pl. 10, figs. 4a-4b; Fig. 81. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 550.

*Megistocrinus brevicornis* (Hall, 1858). Miller, S. A., 1889, p. 260.

*Actinocrinus minor* Hall, 1858c, p. 573. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 219. Weller, 1898c, p. 347. Bassler and Moodey, 1943, p. 550.

*Actinocrinus superlatus* Hall, 1858c, p. 572, Fig. 82. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 550.

*Megistocrinus parvirostris* Meek and Worthen, 1870a, p. 165. Meek and Worthen, 1873, p. 396, Pl. 6, fig. 7. Miller, S. A., 1889, p. 260. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 550.

*Megistocrinus plenus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 16. Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 551.

Undesignated Moore, 1939b, p. 231, Fig. 11, no. 5.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone, Lake Valley Limestone. United States, Iowa, New Mexico

*Megistocrinus evansii crassus* White, 1862. Bassler and Moodey, 1943, p. 551.

*Megistocrinus crassus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 17. Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Weller, S., 1898c, p. 347. Bassler and Moodey, 1943, p. 551.

*Megistocrinus evansii* var. *crassus* White, 1862. Weller, S., 1898c, p. 347. Wachsmuth and Springer, 1897, p. 536.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Megistocrinus evansii* var. *crassus* White, 1862 = *Megistocrinus evansii crassus*

*Megistocrinus expansus* Miller and Gurley, 1894a, p. 35, Pl. 3, figs. 18-21. Miller, S. A., 1897, p. 748. Rowley in Greene, 1901, p. 74, Pl. 24, figs. 14-16. Rowley in Greene, 1903c, p. 160, Pls. 47, figs. 11-13; 48, figs. 7-9, 13-15. Bassler and Moodey, 1943, p. 551.

Devonian, Eifelian - Givetian, Sellersburg Limestone, Alpena Limestone. United States, Kentucky, Indiana, Michigan

*Megistocrinus expansus inflatus* Rowley, R. R., 1901b, p. 72, Pl. 24, figs. 5-7. Bassler and Moodey, 1943, p. 551.

Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

*Megistocrinus expansus magniventrus* Rowley, R. R., 1903a, p. 103, Pl. 32, figs. 19-21. Rowley, R. R., 1903d, p. 141, Pl. 41, figs. 4-6. Bassler and Moodey, 1943, p. 551.

Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

*Megistocrinus farnsworthi* Wachsmuth and Springer, 1897 (*non* White, 1876) = *Megistocrinus robustus*

*Megistocrinus farnsworthi* White, C. A., 1876, p. 22 (adv. pub.). White, C. A., 1877, p. 29. Miller, S. A., 1889, p. 260. Clarke, 1909b, p. 164, Unnum. Fig. Clarke, 1921b,

p. 71, Fig. 58. Thomas, A. O., 1924, p. 444, Pl. 38, figs. 6-12; Fig. 69. Bassler and Moodey, 1943, p. 551.

Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Megistocrinus fitzpatricki* Thomas, A. O., 1924, p. 448, Pls. 39, figs. 6-7; 46, figs. 10-11. Bassler and Moodey, 1943, p. 551.

Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Megistocrinus globosus* (Phillips, 1836) = *Mcoyocrinus globosus*

*Megistocrinus globosus?* (Phillips, 1836), Wright, 1955 (part) = *Clitheroecrinus wrighti*

*Megistocrinus hemisphericus* Miller and Gurley, 1895b, p. 44, Pl. 2, figs. 18-20. Miller, S. A., 1897, p. 748. Rowley R. R., 1903b, p. 145, Pl. 42, fig. 9. Bassler and Moodey, 1943, p. 551.

Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

- Megistocrinus indianensis* Miller and Gurley, 1896a, p. 27, Pl. 2, figs. 1-3. Miller, S. A., 1897, p. 748. Bassler and Moodey, 1943, p. 551.  
Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana
- Megistocrinus infelix* Winchell and Marcy, 1865 = *Saccocrinus infelix* = *Periechocrinites infelix* = *Periechocrinus infelix*
- Megistocrinus knappi* (Lyon, 1862). Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Bassler and Moodey, 1943, p. 551.  
*Megistocrinus knappi* Lyon, 1862, p. 412, Pl. 4, figs. 6a-6b.  
Devonian, Emsian, Jeffersonville Limestone. United States, Indiana
- Megistocrinus latus* (Hall, 1858). Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 538, Pl. 48, figs. 3a-3b. Thomas, A. O., 1924, p. 452, Pls. 41, fig. 1; 45, fig. 3. Bassler and Moodey, 1943, p. 551.  
*Actinocrinus (Megistocrinus) latus* Hall, 1858c, p. 480, Pl. 1, figs. 1a-1b; Fig. 53.  
Bassler and Moodey, 1943, p. 551.  
Devonian, late Givetian, Cedar Valley Limestone, Alpena Limestone. United States, Iowa, Michigan
- Megistocrinus marcouanus* Winchell and Marcy, 1865 = *Saccocrinus marcouanus* = *Periechocrinites marcouanus* = *Periechocrinus marcouanus*
- Megistocrinus merrilli* Thomas, A. O., 1924, p. 455, Pl. 45, fig. 7. Bassler and Moodey, 1943, p. 552.  
Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa
- Megistocrinus mineolaensis* Branson and Wilson, 1922, p. 66, Pl. 6, fig. 2-4.  
Bassler and Moodey, 1943, p. 552. Branson, E. B., 1944, p. 130, Pl. 21, fig. 9.  
Webster, 1973, p. 169.  
Devonian, late Givetian, Mineola Limestone. United States, Missouri
- Megistocrinus missouriensis* Branson and Wilson, 1922, p. 66, Pls. 6, fig. 1; 8, figs. 1-2. Bassler and Moodey, 1943, p. 552. Branson, E. B., 1944, p. 130, Pl. 21, figs. 15-17. Webster, 1973, p. 169.  
Devonian, late Givetian, Mineola Limestone. United States, Missouri
- Megistocrinus multidecoratus* (Barris, 1885). Wachsmuth and Springer, 1897, p. 542, Pl. 49, fig. 6. Bassler and Moodey, 1943, p. 552.  
*Megistocrinus nodosus* var. *multidecoratus* Barris, 1885, p. 24 (adv. pub.). Barris, 1886, p. 99, Pl. 2, figs. 3-4. Miller, S. A., 1889, p. 260. Bassler and Moodey, 1943, p. 552.  
Devonian, late Givetian, Traverse Group, Thunder Bay Limestone. United States, Michigan
- Megistocrinus necis* Winchell and Marcy, 1865 = *Periechocrinites necis* = *Periechocrinus necis*

*Megistocrinus nobilis* Wachsmuth and Springer in Miller, S. A., 1889, p. 260 (*nomen nudum*). Wachsmuth and Springer in Miller, S. A., 1890, p. 169, Pl. 16, figs. 6-7. Wachsmuth and Springer in Miller, S. A., 1897, p. 537, Pls. 47, figs. 6-8b; 51, fig. 8. Weller, S., 1898c, p. 347. Grabau and Shimer, 1910, p. 539, Fig. 1868. Laudon and Beane, 1937, p. 246, Pl. 16, fig. 1. Bassler and Moodey, 1943, p. 552. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 8. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 9. Priest, 1967, Unnum. Fig. p. 410. Webster, 1973, p. 169. Webster, 1977, p. 109. Ubaghs in Moore and Teichert, 1978, p. T446, Fig. 225, no. 1c. Wolf, 1979, p. 151, Fig. 2, no. f. Webster, 1986, p. 201.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Megistocrinus nodosus* Barris, 1878, p. 285, Pl. 11, fig. 4. Barris, 1885, p. 23 (adv. pub.). Barris, 1886, p. 98, Pls. 1, fig. 8; 2, fig. 2. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 541, Pl. 49, figs. 5a-5b. Bather in Lankester, 1900, p. 128, Fig. 42. Delage and Herouard, 1903, p. 385, Fig. 472. Thomas, A. O., 1924, p. 454, Pl. 41, figs. 2-4. Bassler and Moodey, 1943, p. 552. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 10. Webster, 1973, p. 169. Ubaghs in Moore and Teichert, 1978, p. T181, Fig. 154, no. 4. Webster, 1986, p. 201.

Devonian, late Givetian, Cedar Valley Limestone; Traverse Formation, Thunder Bay Limestone. United States, Iowa, Michigan

*Megistocrinus nodosus* var. *multidecoratus* Barris, 1885 = *Megistocrinus multidecoratus*

*Megistocrinus novus* (Wood, 1904). Bassler and Moodey, 1943, p. 552.

*Tylocrinus novus* Wood, E., 1904, p. 60, Pl. 16, figs. 5-5a; Fig. 4. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 552.

Devonian, late Givetian, Traverse Group, Thunder Bay Limestone. United States, Michigan

*Megistocrinus olliculus* (Hall, 1861) = *Aryballocrinus whitei*

*Megistocrinus ontario* (Hall, 1862). Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Goldring, 1923, p. 234, Pl. 34. Bassler and Moodey, 1943, p. 552.

*Actinocrinus (Megistocrinus) ontario* Hall, p. 1862a, p. 108. Hall, 1862b, p. 136. Bassler and Moodey, 1943, p. 552.

Devonian, late Givetian, Moscow Shale, Tichenor Limestone. United States, New York

*Megistocrinus oppelti* Rowley, R. R., 1903c, p. 135, Pl. 39, fig. 5. Bassler and Moodey, 1943, p. 552.

Devonian, Emsian, Jeffersonville Limestone. United States, Ohio

*Megistocrinus ornatus* Miller and Gurley, 1895b p. 42, Pl. 2, figs. 15-17. Miller, S. A., 1897, p. 748. Bassler and Moodey, 1943, p. 552.

Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana

- Megistocrinus parvirostris* Meek and Worthen, 1870 = *Megistocrinus evansii*
- Megistocrinus parvus* Wachsmuth and Springer in Miller, 1889 = *Aryballocrinus parvus*
- Megistocrinus pernodosus* Thomas, A. O., 1924, p. 456, Pl. 41, figs. 5-23; Fig. 71.  
Laudon, 1936, p. 61, Figs. 1-2. Bassler and Moodey, 1943, p. 553.  
Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa
- Megistocrinus* sp. cf. *M. pernodosus* Thomas, 1924. Fraunfelter, 1974, p. 13, Pl. 1, fig. 20. Webster, 1986, p. 201.  
Devonian, Givetian, Lingle Limestone. United States, Missouri
- Megistocrinus pileatus* Miller, 1879 = *Megistocrinus spinosulus*
- Megistocrinus plenus* White, 1862 = *Megistocrinus evansii*
- Megistocrinus reeftonensis* Prokop, 1970b, p. 41, Pls. 1-2. Webster, 1977, p. 109.  
Devonian, late Pragian – early Emsian, Reefton Group. New Zealand, South Island
- Megistocrinus regularis* Wood, E., 1904, p. 59, Pl. 15, figs. 4-4a. Bassler and Moodey, 1943, p. 553.  
Devonian, late Givetian, Traverse Group, Alpena Limestone. United States, Michigan
- Megistocrinus robustus* Thomas, A. O., 1924, p. 446, Pl. 39, figs. 1-5. Bassler and Moodey, 1943, p. 553.  
*Megistocrinus farnsworthi* Wachsmuth and Springer, 1897, p. 539, Pl. 48, figs. 4a-4b. Bassler and Moodey, 1943, p. 553.  
Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa
- Megistocrinus rugosus* Lyon and Casseday, 1859, p. 243. Shumard, 1868, p. 380.  
Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 542, Pl. 48, figs. 6a-6c. Rowley, R. R., 1903c, p. 131, Pl. 38, figs. 1-6, 11. Kirk, 1911, Pl. 9, fig. 12. Bassler and Moodey, 1943, p. 553.  
Devonian, Eifelian - Givetian, Sellersburg Limestone; Alpena Limestone; Widder Shale; Columbus Limestone. United States, Kentucky, Indiana, Michigan, Ohio
- Megistocrinus rugosus spinuliferus* Rowley, R. R., 1903a, p. 102, Pl. 32, figs. 13-15.  
Bassler and Moodey, 1943, p. 553.  
Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana
- Megistocrinus sphaeralis* Wood, E., 1904, p. 60, Pl. 15, figs. 1a-1b; Figs. 2-3. Bassler and Moodey, 1943, p. 553.  
Devonian, late Givetian, Traverse Group, Alpena Limestone. United States, Michigan



- Megistocrinus spinosulus* Lyon, 1861, p. 413, Pl. 4, figs. 7a-7b. Wachsmuth and Springer, 1897, p. 544, Pl. 48, figs. 1a-1c. Miller, S. A., 1897, p. 748. Rowley, R. R., 1904b, p. 182, Pl. 54, fig. 56. Bassler and Moodey, 1943, p. 553.
- Megistocrinus spinulosus* Lyon, 1861. Shumard, 1868, p. 380. Miller, S. A., 1889, p. 260. Grabau and Shimer, 1910, p. 538.
- Megistocrinus pileatus* Miller, S. A., 1879b, p. 114, Pl. 10, figs. 1-1b. Miller, S. A., 1889, p. 260, Figs. 359-360. Bassler and Moodey, 1943, p. 553.
- Devonian, Emsian, Jeffersonville Limestone, Columbus Limestone. United States, Ohio
- Megistocrinus* cf. *M. spinosulus* Lyon, 1861. Haugh, 1978, p. 161, Figs. 16, no. A; 17, no. D. Webster, 1986, p. 201.
- Devonian, Givetian, Alpena Limestone. United States
- Megistocrinus spinulosus* Lyon, 1861 = *Megistocrinus spinosulus*
- Megistocrinus tuberatus* Wood, E., 1904, p. 57, Pls. 15, figs. 2a-2c; 16, fig. 3; Fig. 1. Bassler and Moodey, 1943, p. 553.
- Devonian, late Givetian, Traverse Group, Thunder Bay Limestone. United States, Indiana
- Megistocrinus unicornis* Rowley, R. R., 1901b, p. 73, Pl. 24, figs. 11-13. Bassler and Moodey, 1943, p. 553.
- Devonian, Eifelian - Givetian, Sellersburg Limestone. United States, Indiana
- Megistocrinus waliszewskii* Oehlert, 1897 = *Pithocrinus waliszewskii*
- Megistocrinus whitei* (Hall, 1861) = *Cactocrinus glans*
- Megistocrinus whitii* (Hall, 1861) = *Cactocrinus glans*
- Megistocrinus whitehalli* Laudon, 1973a, p. 449, Pl. 1, figs. 4-11; Fig. 1, nos. F-K. Webster, 1977, p. 109.
- Devonian, late Famennian, Sappington Formation. United States, Montana
- Megistocrinus* (*Saccocrinus*) *whitei* Meek and Worthen, 1875 = *Periechocrinites whitei* = *Periechocrinus? whitei* = *Periechocrinus whitei* = *Aryballocrinus whitei*
- Megistocrinus* sp. aff. "*Actinocrinus*" *globosus* Hayasaka, 1925, p. 61, Pl. 7, figs. 14-16. Pennsylvanian, Anthracolithic Limestone. Japan, Echigo
- Megistocrinus* spp.
- Rose, 1967, p. 128, Pl. 11, fig. 7. Webster, 1977, p. 109.
- Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa
- Fraunfelder, 1974, Pl. 1, figs. 21-23. Webster, 1986, p. 201.
- Devonian, Givetian, Lingle Limestone. United States, Missouri
- Anderson, W. I., 1983, p. 129, Fig. 6.15. Webster, 1988, p. 110.
- Devonian, no locality data

Howell, 1995, p. 100, Pl. 6, fig. 5.  
No age or locality given

*Megistocrinus?* sp. Whidborne, 1898 = Order, family, genus, and species uncertain

**MELBACRINUS** Strimple, 1939. \**M. americanus* Strimple, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Strimple, 1939a, p. 376. Bassler and Moodey, 1943, p. 554. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 169. Webster, 1977, p. 109. Moore and Strimple *in* Moore and Teichert, 1978, p. T645. Webster, 1986, p. 201.

Named, currently recognized species based on cups or crowns: 2 species. 1 Mississippian, 1 Viséan; 1 Pennsylvanian, Missourian Mississippian, *Goniatites* Biozone. Germany Pennsylvanian, Missourian. United States

\**Melbacrinus americanus* Strimple, 1939a, p. 17, Pl. 3, figs. 1-4. Bassler and Moodey, 1943, p. 554. Moore and Strimple *in* Moore and Teichert, 1978, p. T645, Fig. 421, no. 2. Webster, 1986, p. 201.

Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma

*Melbacrinus? longarticulus* Haude and Thomas, 1992, p. 322, Pls. 3, fig. D; 7, figs. D-E; Fig. 7.

Mississippian, Viséan, *Goniatites* Biozone, Cullia. Germany

*Melbacrinus* sp. Cornwell and Cornwell, 1968, Pl. 2, fig. 7. Webster, 1977, p. 109. Pennsylvanian. United States, Iowa

**MELOCRINITES** Goldfuss, 1831. \**M. heiroglyphicus* Goldfuss, 1831.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Melocrinitidae

Goldfuss, 1831, p. 197. Fischer de Waldheim, 1834, p. 322. Bronn, 1837, p. 63. Bronn, 1848, p. 719. Bigsby, 1868, p. 22. Quenstedt, 1885, p. 957. Bassler, 1915, p. 794. Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 554. Moore and Laudon, 1943b, p. 96, Fig. 17. Moore and Laudon, 1944, p. 200. Ubaghs, 1953, p. 741, Fig. 82, no. f. Ubaghs, 1958b, p. 295, Fig. 16. Spreng and Parks, 1953, p. 487, Fig. 2, no. b. Kesling, 1964a, p. 91. Schewtschenko, 1966, p. 133, Fig. 4. Webster, 1973, p. 169. Brower, 1978, p. 44, Figs. 1-5. Ubaghs *in* Moore and Teichert, 1978, p. T492. Smith, A. B., 1985, p. 166. Webster, 1986, p. 201. Jell *et al.*, 1988, p. 372. Webster, 1988, p. 110. Chen and Yao, 1993, p. 41, Fig. 20. Webster, 1993, p. 77. Hauser, 1997, p. 164, Fig. 45. Hauser, 1999, p. 33, Fig. 12. Hauser, 2001, p. 51, Fig. 34. Hauser, 2002, p. 22, Fig. 7. Hauser, 2003, p. 11, Fig. 2. Hauser *in* Hauser and Landeta, 2007, p. 38, fig. 2. Hauser, 2007, p. 24, unnumbered Fig. p. 25.

CASTANOCRINUS Roemer, C. F., 1854, p. 228. *Melocrinites gibbosus* Goldfuss, 1831. Dujardin and Hupé, 1862, p. 145. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 554. Ubaghs *in* Moore and Teichert, 1978, p. T492.

- CLONOCRINUS* Oehlert, 1879 (*non* Quenstedt, 1876), p. 3. \**C. bigsbyi* Oehlert, 1879. Bather *in* Lankester, 1900, p. 161. Bassler, 1938, p. 68. Bassler and Moodey, 1943, p. 554. Ubaghs, 1958b, p. 279. Webster, 1973, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T492.
- MELOCRINUS* Agassiz, 1835, p. 197. Agassiz, 1838, p. 447. Bronn, 1848, p. 719. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 45, 103. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 250. Burmeister, 1856, p. 244. Pictet, 1857, p. 325. Eichwald, 1860, p. 607. Dujardin and Hupé, 1862, p. 144. Shumard, 1868, p. 381. Beyrich, 1871b, p. 404, Unnum. Fig. p. 405 (diagramatic). Angelin, 1878, p. 19. Zittel, 1880, p. 345, 371. Wachsmuth and Springer, 1881, p. 118 (292). Wachsmuth and Springer, 1885, p. 104 (326). Miller, S. A., 1889, p. 261. Steinmann and Döderlein, 1890, p. 158. Zittel, 1895, p. 131. Koken, 1896, p. 285.
- Wachsmuth and Springer, 1897, p. 292. Bather *in* Lankester, 1900, p. 161. Wachsmuth *in* Zittel, 1900, p. 147. Weller, S., 1900, p. 97. Steinmann, 1903, p. 175. Steinmann, 1907, p. 196. Gurich, 1908, p. 45, Fig. 9. Grabau and Shimer, 1910, p. 555, Fig. 1887. Springer *in* Zittel, 1913, p. 190. Bassler, 1915, p. 794. Goldring, 1923, p. 108. Springer, 1926a, p. 27. Bassler, 1938, p. 131. Maillieux, 1940, p. 7. Bassler and Moodey, 1943, p. 554. Lawrence, D. R., 1971, p. 604, Fig. 7. Webster, 1977, p. 109. Ubaghs *in* Moore and Teichert, 1978, p. T492.
- Named, currently recognized species based on cups or crowns: 94 species, 10 subspecies. 10 Silurian, 6 Niagaran, 4 Wenlockian; 83 Devonian, 2 Lochkovian, 1 Lochkovian – Pragian, 1 Pragian, 1 Pragian – Emsian, 1 Emsian, 3 Early Devonian series undesignated, 1 Emsian - Eifelian, 4 Eifelian (+1 subspecies), 16 Givetian (+4 subspecies), 2 Givetian – Frasnian, 38 Frasnian (+4 subspecies), 8 Frasnian?, 3 Famennian, 1 Late Devonian undesignated; 1 Mississippian, Viséan
- Silurian, Niagaran; Devonian, Lochkovian - Famennian. North America  
 Silurian, Wenlockian; Devonian, Lochkovian - Frasnian. Europe  
 Devonian, Pragian - Givetian. Australia, Queensland  
 Early - Late Devonian, Frasnian. Russia, Kutznetz Basin  
 Devonian, Lochkovian - Frasnian, Mississippian, Viséan. Germany  
 Middle Devonian. China

*Melocrinites acicularis* (Follmann, 1887), Webster, 1973 = *Ctenocrinus acicularis*

*Melocrinites acidepressus* (Schmidt, 1942), Webster, 1973 = *Ctenocrinus acidepressus*

*Melocrinites aculeatus* (Ubaghs, 1945), Webster, 1973 = *Ctenocrinus aculeatus*

*Melocrinites acutior* (Schmidt, 1942), Webster, 1973 = *Ctenocrinus acutior*

*Melocrinites aequalis* (Miller, 1892). Bassler and Moodey, 1943, p. 554. Webster, 1977, p. 109. ). Hauser, 2002, Tabs. 6-7.

*Melocrinus aequalis* Miller, S. A., 1892a, p. 680. Miller, S. A., 1892c, p. 48, Pl. 5, figs. 11-12. Miller, S. A., 1894, p. 302, Pl. 5, figs. 11-12. Bassler, 1915, p. 795. Bassler and Moodey, 1943, p. 554.

*Melocrinus parvus* Wachsmuth and Springer, 1892, p. 143. Miller, S. A., 1892a, p. 680. Wachsmuth and Springer, 1897, p. 303, Pl. 22, fig. 8. Miller, S. A., 1897, p. 748. Bassler, 1915, p. 795. Bergougnieux, 1939, p. 85, Pl. 6, figs. 3-4; Fig. 3. (Probably not *M. parvus* or *M. aequalis*, GDW) Bassler and Moodey, 1943, p. 554. Webster, 1977, p. 109.

Silurian, Niagaran, Laurel Limestone. United States, Indiana  
Devonian, Frasnian. France

*Melocrinites aequus* Schmidt, W. E., 1942 (*non* Miller, 1892), p. 88, Pl. 20, fig. 1. Hefter,

1956, p. 170, Fig. 1. Webster, 1973, p. 170. Webster, 1977, p. 109. Ubaghs *in* Moore and Teichert, 1978, p. T492, Fig. 295, no. 1f. Webster, 1986, p. 202. Devonian, early Emsian - early Eifelian, *Orthocrinus* Beds. Belgium; Germany

*Melocrinites alfredhauseri* Hauser, 2002, p. 22, Pls. 3, figs. 3-3a; 4, fig. 1; Fig. 8, Tabs. 6-7.

Devonian, latest Frasnian, Budesheim Formation. Belgium

*Melocrinites amphora* Goldfuss, 1839 = *Amphoracrinus gilbertsoni*

*Melocrinites angustatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 554. Hauser, 2002, Tabs. 6-7.

*Melocrinus angustatus* Angelin, 1878, p. 20, Pl. 26, fig. 22. Bassler and Moodey, 1943, p. 554. Silurian, Wenlockian. Sweden, Isle of Gotland

*Melocrinites bainbridgensis* (Hall and Whitfield, 1875). Bassler and Moodey, 1943, p. 554. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 9. Moore and Laudon, 1944, p.

200, Pl. 74, fig. 9. Webster, 1973, p. 170. Ausich, 1996b, p. 248, Fig. 17-6, no. 4. Hauser, 2002, Figs. 22-23; Tabs. 6-7.

*Melocrinus (Ctenocrinus) brainbridgensis* Hall and Whitfield, 1875b, p. 158, Pl. 13, figs. 2-3. Bassler and Moodey, 1943, p. 554.

*Melocrinus brainbridgensis* Hall and Whitfield, 1875. Miller, S. A., 1889, p. 261, Figs. 361-362. Wachsmuth and Springer, 1897, p. 297, Pl. 22, figs. 4a-4c only. Grabau and Shimer, 1910, p. 556. Goldring, 1923, p. 130, Pl. 12, figs. 5-9. Wells, 1939, p. 109, fig. 2 (diagramatic). Moore, 1939b, p. 199, Fig. 8, no. 2 (basal circlet). Bassler and Moodey, 1943, p. 554.

*Ctenocrinus bainbridgensis* (Hall and Whitfield, 1875). Miller, S. A., 1889, p. 234. Devonian, Frasnian, Huron Shale; Ohio Shale. United States, Ohio

*Melocrinites belanskii* (Thomas, 1924). Bassler and Moodey, 1943, p. 554. Hauser, 2002, Tabs. 6-7.

*Melocrinus belanskii* Thomas, A. O., 1924, p. 440, Pl. 37, figs. 11-16. Bassler and Moodey, 1943, p. 554.

Devonian, Frasnian, Lime Creek Formation, Hackberry Shale Member. United States, Iowa

- Melocrinites benedeni* (Fraipont, 1883). Bassler and Moodey, 1943, p. 554.  
*Melocrinus benedeni* Fraipont, 1883, p. 60, Pl. 4, fig. 9 (Dewalque, ms). Bassler and Moodey, 1943, p. 554.  
 Devonian, Frasnian. Belgium
- Melocrinites bigsbyi* (Oehlert, 1879). Bassler and Moodey, 1943, p. 554. Hauser, 2002, Tabs. 6-7.  
*Clonocrinus bigsbyi* Oehlert, 1879, p. 4, Pl. 2, figs. 2-4. Bassler, 1938, p. 68.  
 Bassler and Moodey, 1943, p. 554.  
 Early Devonian, series not given. France
- Melocrinites blanikenheimensis* Hauser, 2007, p. 24, Figs. 2 (p. 25), 4 (p. 23), 4 (p. 26).  
 Devonian, ?Givetian. Germany
- Melocrinites borealis* (Springer, 1921). Bassler and Moodey, 1943, p. 555. Hauser, 2002, Pls. 13, figs. 1-1b; 14, figs. 2-2b; Tabs. 6-7.  
*Melocrinus borealis* Springer, 1921b, p. 16, Pl. 1, figs. 1-2. Bassler and Moodey, 1943, p. 555.  
 Late Devonian, Frasnian?. Canada, Northwest Territory
- Melocrinites breviradiatus* (Hall, 1872). Bassler and Moodey, 1943, p. 555. Hauser, 2002, Tabs. 6-7.  
*Melocrinus breviradiatus* Hall, 1872c, Pl. 1-A, figs. 18-19. Miller, S. A., 1889, p. 261. Goldring, 1923, p. 127, Pl. 13, figs. 1-2. Bassler and Moodey, 1943, p. 555.  
*Ctenocrinus breviradiatus* (Hall, 1872). Miller, S. A., 1889, p. 235.  
 Devonian, Givetian, Wanakah Shale. United States, New York
- Melocrinus caelatus* (Phillips, 1839) = *Marsupiocrinus (Marsupiocrinus) coelatus*
- Melocrinites callosus* Hauser, 1999, p. 34, Pls. 1, figs. 1-4, 6; 2, figs. 1-3. Hauser, 2002, p. 24, Pl. 4, figs. 3-3a, 5; Fig. 18; Tabs. 6-7.  
 Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne
- Melocrinites* aff. *callosus* Hauser, 1999, p. 34, Pl. 1, fig. 5.  
 Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne
- Melocrinites calvini* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 748.  
 Bassler and Moodey, 1943, p. 555. Webster, 1977, p. 109. Hauser, 2002, Tabs. 6-7.  
*Melocrinus calvini* Wachsmuth and Springer, 1897, p. 300, Pl. 22, fig. 6. Wilson, H. E., 1916, p. 508, Pl. 2, figs. 3-4. Thomas, A. O., 1924, p. 438, Pl. 37, figs. 6-8; Fig. 67. Moore, 1939b, p. 231, Fig. 11, no. 1. Bassler and Moodey, 1943, p. 555.  
*Melocrinites camvani* (Wachsmuth and Springer, 1897). Spreng and Parks, 1953, p. 587, Fig. 2, no. c.  
 Devonian, Frasnian, Lime Creek Formation, Hackberry Shale Member. United States, Iowa

*Melocrinites camvani* (Wachsmuth and Springer, 1897) = *Melocrinites calvini*

*Melocrinites canadensis* (Springer, 1921). Bassler and Moodey, 1943, p. 555. Hauser, 2002, Tabs. 6-7.

*Melocrinus canadensis* Springer, 1921b, p. 17, Pl. 1, fig. 3. Bassler and Moodey, 1943, p. 555.

Late Devonian, Frasnian?. Canada, Northwest Territories

*Melocrinites centaurus* Hauser, 1999, p. 35, Pls. 2, figs. 7-8; 3, figs. 1-8; 4, figs. 1-2; Fig. 13. Hauser, 2002, Tabs. 6-7.

Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne

*Melocrinites chapuisi* (Fraipont, 1883). Bassler and Moodey, 1943, p. 555. Hauser, 2002, Tabs. 6-7. Hauser in Hauser and Landeta, 2007, p. 39, Fig. 6.

*Melocrinus chapuisi* Fraipont, 1883, p. 65, Pl. 5, figs. 5-7 (Dewalque, ms). Von Koenen, 1886, p. 108, Pl. 2, figs. 3a-3b. Bassler and Moodey, 1943, p. 555. Hauser, 1999, p. 37, Pls. 2, figs. 4-5; 18, fig. 3; Fig. 14.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Melocrinites clarkei* (Williams, 1882). Bassler and Moodey, 1943, p. 555.

*Melocrinus clarkei* Williams, M. E., 1882, p. 31 (Hall, ms). Clarke, 1904, p. 346, Pl. E. (first illustration of type). Goldring, 1923, p. 132, Pls. 13, figs. 3-5; 14. Bassler and Moodey, 1943, p. 555. Hauser, 2002, Tabs. 6-7.

*Melocrinus clarkii* Williams, 1882. Miller, S. A., 1889, p. 261 (sic).

*Melocrinus brainbridgensis* Wachsmuth and Springer, 1897, p. 297, Pl. 24, fig. 5 only. Bassler and Moodey, 1943, p. 555.

Devonian, Frasnian, Genesee Formation, West River Shale Member; Portage Formation Cashaqua Shale Member, Angola Shale Member. Canada, Ontario; United States, New York

*Melocrinites clathratus* (Schmidt, 1942) = *Ctenocrinus clathratus*

*Melocrinites concentricus* (Bergougnieux, 1939). Hauser, 1999, p. 38, Pl. 4, fig. 3; Fig. 15. Hauser, 2002, p. 25, Pl. 6, fig. 4; Figs. 11-12; Tabs. 6-7.

*Melocrinus hieroglyphicus* var. *concentrica* Bergougnieux, 1939, p. 90, Pl. 6, figs. 11-13 (incorrectly given as figs. 12-13, p. 90, and figs. 11-12, plate explanation). Webster, 1977, p. 110.

*Melocrinites hieroglyphicus* var. *concentrica* (Bergougnieux, 1939). Webster, 1977, p. 110.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Melocrinites conicus* Chen and Yao, 1993, p. 42, Pl. 10, figs. 12-14. Hauser, 2002, Tabs. 6-7. Webster, Waters and Chen, 2009, p. 141, Fig. 7, nos. a-c.

Devonian, early Famennian, ?upper part of Heyuanzhai Formation. China, Yunnan

*Melocrinites? constrictus* (Wanner, 1942) = *Ctenocrinus constrictus*

*Melocrinites decadactylus* (Tannenberg in Goldfuss, 1839) = *Ctenocrinus decadactylus*

*Melocrinites* cf. *decadactylus* (Tannenberg in Goldfuss, 1839) = *Ctenocrinus* cf. *decadactylus*

*Melocrinites decadactylus densalternans* (Schmidt, 1942) = *Ctenocrinus decadactylus densalternans*

*Melocrinites dewalquei* (von Koenen, 1886) = *Melocrinites rugosus*

*Melocrinites dordoloti* (Maillieux, 1909) = *Melocrinites dordodoti*

*Melocrinites dordodoti* (Maillieux, 1909). Hauser, 1999, p. 40, Pl. 5, figs. 1-2; Fig. 16.

Hauser, 2002, p. 40, Fig. 28; Tabs. 6-7.

*Melocrinus dordodoti* Maillieux, 1909a, p. 253, Figs. a-b. Maillieux, 1940, p. 11.

*Melocrinus dordoloti* Maillieux, 1909. Bassler and Moodey, 1943, p. 555 (sic).

*Melocrinites dordoloti* (Maillieux, 1909). Bassler and Moodey, 1943, p. 555 (sic).

Devonian, Frasnian (F2i), ?Neuville Formation. France and Belgium, Ardenne

*Melocrinites fornicatus* Goldfuss, 1839, p. 340, Pl. 31, fig. 2. Quenstedt, 1885, p. 960,

Pl. 77, fig. 15. Bassler and Moodey, 1943, p. 555. Hauser, 2002, Tabs. 6-7.

*Melocrinus fornicatus* Goldfuss, 1839. Bronn, 1848, p. 719. d'Orbigny, 1850, p.

103. Dujardin and Hupé, 1862, p. 145.

Devonian, Eifelian. Germany

*Melocrinites fraiponti* (von Koenen, 1886). Bassler and Moodey, 1943, p. 555. Hauser, 2002, Fig. 16; Tabs. 6-7.

*Melocrinus fraiponti* von Koenen, 1886, p. 105. Maillieux, 1940, p. 11. Bassler and

Moodey, 1943, p. 555. Hauser, 1999, p. 41, Pl. 5, figs. 3-4; Fig. 17.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Melocrinites gerolsteinensis* Steininger, 1849, p. 20. Steininger, 1853, p. 35. Bassler

and Moodey, 1943, p. 555.

Devonian, Eifelian. Germany

*Melocrinites gibbosus* Goldfuss, 1831, p. 211, Pl. 64, figs. 2a-2d. Beyer, 1896, p. 89,

Pl. 3, fig. 72. Bassler, 1938, p. 62. Bassler and Moodey, 1943, p. 555. Webster,

1977, p. 110. Smith, A. B., 1985, p. 166, Pl. 7.4.6. Webster, 1988, p. 110.

Hauser, 2001, Pl. 27, fig. 3. Hauser, 2002, Figs. 20-21; Tabs. 6-7.

*Melocrinus gibbosus* (Goldfuss, 1831). d'Orbigny, 1850, p. 103. Dujardin and Hupé,

1862, p. 144. Schultze, 1866, p. 64 (adv. pub.). Schultze, 1867, p. 176, Pl. 6, fig.

1. von Koenen, 1886, p. 101, Pl. 2, figs. 1-2b. Holzapfel, 1895, p. 303. Bassler

and Moodey, 1943, p. 555. Wanner, 1943, Unnum. Fig. p. 35. Webster, 1977,

p. 110. Hauser, 1997, p. 164, Pl. 62, fig. 4.

Devonian, Givetian, Loogh Formation. Germany

*Melocrinites* cf. *gibbosus* Goldfuss, 1831. Gluchowski, 1993a, p. 39, Fig. 3, nos. I-K.

Devonian, late Frasnian, Detrital Beds. Poland

*Melocrinites gibbosus aculeata* (Schultze, 1866) = *Melocrinites gibbosus aculeatus*

*Melocrinites gibbosus aculeatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 556.

Hauser, 2001, p. 12, Fig. 10. Hauser, 2002, Tabs. 6-7.

*Melocrinus gibbosus* var. *aculeatus* Schultze, 1866, p. 64 (adv. pub.). Schultze, 1867, p. 176, Pl. 6, fig. 1b. Bassler and Moodey, 1943, p. 556.

*Melocrinites gibbosus aculeata* (Schultze, 1866). Hauser, 1997, p. 165, Pl. 61, fig. 2.

Devonian, Givetian, Lough Formation. Germany

*Melocrinites gibbosus gracilis* (Schultze, 1866). Bassler and Moodey, 1943, p. 556.

Hauser, 2001, p. 12, Fig. 11. Hauser, 2002, Tabs. 6-7.

*Melocrinus gibbosus* var. *gracilis* Schultze, 1866, p. 64, adv. pub.). Schultze, 1867, p. 176, Pl. 6, fig. 1k. Bassler and Moodey, 1943, p. 556.

Devonian, Eifelian. Germany

*Melocrinites gibbosus granosa* (Schultze, 1866) = *Melocrinites gibbosus granosus*

*Melocrinites gibbosus granosus* (Schultze, 1866). Bassler and Moodey, 1943, p. 556.

Hauser, 2001, p. 21, 51, Pl. 12, fig. 2; Fig. 35 Hauser, 2002, Tabs. 6-7.

*Melocrinus gibbosus* var. *granosus* Schultze, 1866, p. 64 (adv. pub.). Schultze, 1867, p. 176, Pl. 6, fig. 1i. Bassler and Moodey, 1943, p. 556.

*Melocrinites gibbosus granosa* (Schultze, 1866). Hauser, 1997, p. 165, Pls. 61, figs. 3, 5-6. (Not Pl. 61, fig. 7 or Pl. 62, fig. 3 as given p. 165)

Devonian, Givetian, Lough Formation. Germany

*Melocrinites gibbosus* aff. *granosa* (Schultze, 1866). Hauser, 1997, Pl. 62, fig. 3.

Devonian, Givetian, Lough Formation. Germany

*Melocrinites globosus* Goldfuss, 1839, p. 340, Pl. 31, fig. 2.

*Melocrinus globosus* (Goldfuss, 1839). Dujardin and Hupé, 1862, p. 145.

Devonian, Eifelian. Germany

*Melocrinites globosus* (Fraipont, 1883) (*non* Goldfuss, 1839). Bassler and Moodey, 1943, p. 556. Hauser, 2002, Tabs. 6-7.

*Melocrinus globosus* Fraipont, 1883, p. 61, Pl. 5, figs. 1-4 (Dewalque, ms).

Maillieux, 1940, p. 10. Bassler and Moodey, 1943, p. 556. Hauser, 1999, p. 43, Pls. 5, figs. 5-6; 6, figs. 1-4; Fig. 18.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium, Ardenne

*Melocrinites* sp. aff. *M. globosus* (Fraipont, 1883) (*non* Goldfuss, 1839). Hauser, 1999, p. 43, Pl. 17, fig. 4.

Devonian, Frasnian (F2i), Neuville Formation. Ardenne

*Melocrinites gottlandicus* (Pander *in* Helmersen, 1859), Webster, 1973 = *Ctenocrinus gottlandicus*



- Melocrinites gracilis* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 556. Hauser, 2002, Tabs. 6-7.  
*Melocrinus gracilis* Wachsmuth and Springer, 1897, p. 298, Pl. 22, fig. 5. Miller, S. A., 1897, p. 748. Goldring, 1923, p. 136, Pl. 13, fig. 6. Goldring, 1935b, p. 353, Pl. 25, fig. 2. Bassler and Moodey, 1943, p. 556.  
 Devonian, Givetian, Moscow Shale, Kashong Member. United States, New York
- Melocrinites* aff. *gracilis* (Jaekel, 1895), Webster, 1973 = *Ctenocrinus* aff. *gracilis*
- Melocrinites* (??) *granulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 556. Hauser, 2002, Tabs. 6-7.  
*Melocrinus granulatus* Angelin, 1878, p. 20, Pl. 26, figs. 21-21a. Bassler and Moodey, 1943, p. 556.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Melocrinites gregeri* (Rowley, 1893). Bassler and Moodey, 1943, p. 556. Webster, 1973, p. 171. Hauser, 2002, Tabs. 6-7. Hauser in Hauser and Landeta, 2007, p. 39, fig. 5.  
*Melocrinus gregeri* Rowley, R. R., 1893b, p. 303, Pl. 14, fig. 1. Miller, S. A., 1897, p. 748. Branson, E. B., 1924, p. 59, Pl. 7, figs. 11-12. Bassler and Moodey, 1943, p. 556. Branson, E. B., 1944, p. 150, Pl. 21, fig. 14. Webster, 1973, p. 171.  
 Devonian, Frasnian, Snyder Creek Shale. United States, Missouri
- Melocrinites harrisi* (Olsson, 1912) = \**Trichotocrinus harrisi*
- \**Melocrinites hieroglyphicus* Goldfuss, 1831, p. 197, Pl. 60, figs. 1A-1Ca. Bronn, 1837, p. 63, Pl. 4, figs. 10a-10c. Quenstedt, 1885, p. 959, Fig. 362. Bassler and Moodey, 1943, p. 556. Spreng and Parks, 1953, p. 587, Fig. 2, no. c. Webster, 1977, p. 110. Ubaghs in Moore and Teichert, 1978, p. T492, Fig. 295, nos. 1a-1e. Webster, 1986, p. 202. Hauser, 1999, p. 44, Pls. 7, figs. 1-7; 8, figs. 1-3; 17, fig. 6; 18, fig. 4; Fig. 19. Hauser, 2002, p. 27, Pls. 3, figs. 2-2a; 4, figs. 2, 4; 7, figs. 1-1a; 10, fig. 7; 11, fig. 3; 12, figs. 1a-1b; Figs. 13-14; Tabs. 6-7.  
*Melocrinus hieroglyphicus* (Goldfuss, 1831). Bronn, 1839, p. 63, Pl. 6, figs. 10a-10c. d'Orbigny, 1850, p. 103. Roemer, C. F. in Bronn and Roemer, 1851, p. 251, Pl. 4, figs. 10a-10c. Dujardin and Hupé, 1862, p. 144. Clarke, 1884, p. 402, Pl. 6, fig. 20. Von Koenen, 1886, p. 103, Pl. 1, figs. 1a-1g. Whidborne, 1895, p. 201, pl. 24, figs. 1-1b. Maillieux, 1940, p. 7. Bassler and Moodey, 1943, p. 556. Webster, 1977, p. 110.  
 Devonian, Frasnian (F2i, F3b), Neuville Formation; *Reticularia pachyrhyncha* Shales, *Acervularia* Reef, Matagne Shales. France, Germany, Belgium, United Kingdom
- Melocrinites* aff. *hieroglyphicus* Goldfuss, 1831. Hauser, 1999, p. 44, Pl. 7, fig. 8.  
 Devonian, Frasnian (F2i), Neuville Formation. Ardenne
- Melocrinites* sp. aff. *hieroglyphicus* Goldfuss, 1831. Hauser, 1999, p. 44, Pl. 17, fig. 6.  
 Devonian, Frasnian (F2i), Neuville Formation. Ardenne

- Melocrinites* cf. *hieroglyphicus* Goldfuss, 1831. *Nomen correctum*  
*Melocrinus* cf. *hieroglyphicus* Goldfuss, 1831. Maillieux, 1936a, p. 14, Pl. 1, figs. 1-1b. Gluchowski, 1993a, p. 39, Fig. 3, nos. L-M.  
 Devonian, late Frasnian, Schistes de Matagne; Detrital beds. Belgium, Poland
- Melocrinites* cf. *hieroglyphicus* Goldfuss, 1831. Hauser, 2002, Pl. 8, figs. 1, 1b-1c.  
 Devonian, late Frasnian, Neuville Formation. Belgium
- Melocrinites hieroglyphicus* var. *concentrica* (Bergougnieux, 1939) = *Melocrinites concentricus*
- Melocrinites humei* (Goldring, 1938). Bassler and Moodey, 1943, p. 556. Hauser, 2002, Pl. 15, figs. 3-3a; Tabs. 6-7.  
*Melocrinus humei* Goldring, 1938b, p. 11, Pl. 1, figs. 7-8. Bassler and Moodey, 1943, p. 556.  
 Devonian, Frasnian?. Canada, Northwest Territory
- Melocrinites inornatus* (Fraipont, 1884). Bassler and Moodey, 1943, p. 556. Hauser, 1999, p. 46, Pls. 9, figs. 1-8; 10, fig. 1. Hauser, 2002, p. 30, Pls. 6, figs. 2-3; 7, fig. 2; Fig. 30; Tabs. 6-7. Hauser, 2003, p. 11, Pl. 4, figs. 3-6.  
*Melocrinus inornatus* Fraipont, 1884, p. 105, Pl. 1, fig. 1 (Dewalque, ms). Maillieux, 1940, p. 12. Bassler and Moodey, 1943, p. 556.  
 Devonian, Frasnian, Disphyllum Reef; Chaudfontaine Formation; Vise Dolomite; Neuville Formation: France and Belgium Ardenne
- Melocrinites* sp. aff. *M. inornatus* (Fraipont, 1884). Hauser, 1999, p. 46, Pl. 17, fig. 1. Hauser, 2002, Pl. 8, figs. 3-4.  
 Devonian, Frasnian (F2i), Neuville Formation. Ardenne
- Melocrinites kindlei* (Springer, 1926). Bassler and Moodey, 1943, p. 556. Hauser, 2002, p. 32, Pl. 3, figs. 1-1a; Fig. 17; Tabs. 6-7.  
*Melocrinus kindlei* Springer, 1926c, p. 130, Pl. 24, figs. 1-9. Bassler and Moodey, 1943, p. 556.  
 Devonian, Frasnian?. Canada, Northwest Territory
- Melocrinites konincki* (Fraipont, 1883). Bassler and Moodey, 1943, p. 556. Hauser, 1999, p. 48, Pls. 10, figs. 2-4; 18, fig. 1; Fig. 20. Hauser, 2002, Tabs. 6-7.  
*Melocrinus konincki* Fraipont, 1883, p. 58, Pl. 4, figs. 6-8 (Dewalque, ms). Maillieux, 1940, p. 10. Bassler and Moodey, 1943, p. 556.  
 Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- Melocrinites laevis* Goldfuss, 1831, p. 197, Pl. 60, figs. 2a-2b. Bigsby, 1868, p. 22. Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.  
*Melocrinus laevis (gracilis)* (Goldfuss, 1831). Quenstedt, 1876, p. 613, Pl. 111, Figs. 37-38. Bassler and Moodey, 1943, p. 557.

*Melocrinus laevis* (Goldfuss, 1831). d'Orbigny, 1850, p. 103. Dujardin and Hupé, 1862, p. 144. Miller, S. A., 1889, p. 261. Schmidt, W. E., 1930, p. 19. Bassler and Moodey, 1943, p. 557.

Mississippian, Viséan. Germany

*Melocrinites laevis* (Roemer, 1860) (*non* Goldfuss, 1831) = *Cytocrinus laevis*

*Melocrinites lamellosus* Eichwald, 1855 = *Ctenocrinus lamellosus*

*Melocrinites? linderi* (Thomas, 1924). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus? linderi* Thomas, A. O., 1924, p. 439, Pl. 37, figs. 9-10. Bassler and Moodey, 1943, p. 557.

Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Melocrinites loricatus* (Schmidt, 1942) Webster, 1973 = *Ctenocrinus loricatus*

*Melocrinites lylii* (Rowley, 1894). Bassler and Moodey, 1943, p. 557. Webster, 1973, p. 171. Hauser, 2002, Tabs. 6-7.

*Melocrinus lylii* Rowley, R. R., 1894, p. 152, Fig. 2. Miller, S. A., 1897, p. 748.

Branson, E. B., 1924, p. 59, Pl. 5, figs. 7-8. Bassler and Moodey, 1943, p. 557.

Branson, E. B., 1944, p. 150, Pl. 21, fig. 5. Webster, 1973, p. 171.

Devonian, Frasnian, Synder Creek Shale. United States, Missouri

*Melocrinites mackenzie* (Springer, 1926). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Pls. 13, figs. 2-2b; 14, figs. 1-1a; Tabs. 6-7.

*Melocrinus mackenzie* Springer, 1926c, p. 131, Pl. 24, figs. 10-13. Bassler and Moodey, 1943, p. 557.

Late Devonian, Frasnian?. Canada, Northwest Territory

*Melocrinites melocrinoides* (Waagen and Jahn, 1899) = *Promelocrinus melocrinoides*

*Melocrinites mespiliformis* (Dewalque *in* Fraipont, 1883). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus mespiliformis* Dewalque *in* Fraipont, 1883, p. 63, Pl. 5, figs. 8-10.

Maillieux, 1940, p. 12. Bassler and Moodey, 1943, p. 557.

*Melocrinus hieroglyphicus* var. *mespiliformis* Dewalque *in* Fraipont, 1883. Jaekel, 1902, p. 1068, Fig. 12. Bassler and Moodey, 1943, p. 557.

Devonian, Frasnian, *Reticularia pachyrhyncha* Shales. Belgium

*Melocrinites michiganensis* Kesling, 1964a, p. 94, Pls. 1-2; Figs. 1-2. Webster, 1973, p. 171. Hauser, 2002, Tabs. 6-7.

Devonian, early Givetian, Bell Shale. United States, Michigan

*Melocrinites micmac* (Clarke, 1909). Lane and Moore *in* Moore and Teichert, 1978, p. T346, Fig. 217, no. 2. Webster, 1986, p. 202. Hauser, 2002, Tabs. 6-7.

*Melocrinus micmac* Clarke, 1909a, p. 165, Figs. 1-4. (Description minimal, GDW). Clarke, 1921b, p. 69, Fig. 55.

Early Devonian, Grande Gréve Limestone. Canada, Gaspé Peninsula; United States, New York

*Melocrinites milwaukensis* (Weller, 1898). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus milwaukensis* Weller, S., 1898a, p. 121, Pl. 14, fig. 7. Cleland, 1911, p. 40, Pl. 3, fig. 9. Bassler and Moodey, 1943, p. 557.

Devonian, late Givetian, Milwaukee Formation, Lindwurm Member. United States, Wisconsin

*Melocrinites milwaukensis rotundus* (Weller, 1898). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus milwaukensis* var. *rotundus* Weller, S., 1898a, p. 122, Pl. 14, fig. 4. Cleland, 1911, p. 41, Pl. 3, fig. 8. Bassler and Moodey, 1943, p. 557.

Devonian, late Givetian, Milwaukee Formation, Lindwurm Member. United States, Wisconsin

*Melocrinites minutus* (Trenkner, 1867). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus minutus* Trenkner, 1867, p. 27, Pl. 4, figs. 61a-61c. Bassler and Moodey, 1943, p. 557.

Devonian, Frasnian, Iberg Limestone. Germany

*Melocrinites mirabilis* Hauser, 1997, p. 167, Pl. 60, figs. 1-6; Fig. 46. Hauser, 2002, Tabs. 6-7.

Devonian, Givetian, Lough Formation, Hustley Member. Germany

*Melocrinites? monstrosus* Hauser, 1999, p. 49, Pls. 11, figs. 1-3; 13, fig. 6. Hauser, 2002, Tabs. 6-7.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Melocrinites naplesensis* (Goldring, 1923). Bassler and Moodey, 1943, p. 557. Hauser, 2002, Tabs. 6-7.

*Melocrinus naplesensis* Goldring, 1923, p. 140, Pl. 15, figs. 3-4, 5?. Bassler and Moodey, 1943, p. 557.

Devonian, Frasnian, Portage Group, West Hill Flags. United States, New York

*Melocrinites nobilissimus* (Hall, 1859) = *Ctenocrinus nobilissimus*

*Melocrinites nodiferus* (Follmann, 1882), Webster, 1973 = *Ctenocrinus nodiferus*

*Melocrinites nodosus* Hall, 1861b, p. 19. Hall, 1861e, p. 19. Bassler and Moodey, 1943, p. 557. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 10. Priest, 1973, p. 74, Fig. 11. Webster, 1973, p. 171. Webster, 1977, p. 110. Hauser, 2002, p. 46, Fig. 35; Tabs. 6-7.

*Melocrinus nodosus* (Hall, 1861). Shumard, 1868, p. 381. Miller, S. A., 1889, p. 261. Whitfield, 1895, p. 48, Pl. 5, fig. 14. Weller, S., 1898a, p. 118, Pl. 14, fig. 6.

Cleland, 1911, p. 38, Pl. 3, fig. 4. Goldring, 1923, p. 125, Pl. 12, figs. 2-4.  
 Thomas, A. O., 1924, p. 435, Pl. 37, fig. 1. Bassler and Moodey, 1943, p. 557.  
 Devonian, Givetian - Frasnian, Milwaukee Formation, Lindwurm Member; Traverse  
 Group; Cedar Valley Limestone. United States, New York, Michigan, Iowa,  
 Wisconsin

*Melocrinites nodosus irregularis* (Thomas, 1924). Bassler and Moodey, 1943, p. 558.  
 Hauser, 2002, Tabs. 6-7.

*Melocrinus nodosus irregularis* Thomas, A. O., 1924, p. 437, Pl. 37, figs. 2-4, Fig.  
 66. Bassler and Moodey, 1943, p. 558.  
 Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Melocrinites nodosus spinosus* (Weller, 1898). Bassler and Moodey, 1943, p. 558.  
 Hauser, 2002, Tabs. 6-7.

*Melocrinus nodosus* var. *spinosus* Weller, S., 1898a, p. 119, Pl. 14, fig. 6. Cleland,  
 1911, p. 39, Pl. 3, fig. 5. Bassler and Moodey, 1943, p. 558.  
 Devonian, late Givetian, Milwaukee Formation, Lindwurm Member. United States,  
 Wisconsin

*Melocrinites obconicus* (Hall, 1863) = *Lobomelocrinus obconicus*

*Melocrinites obconicus?* (Hall, 1863). Spreng and Parks, 1953, p. 587, Fig. 2, no. c.  
 Webster, 1977, p. 110.  
 Silurian, Niagaran. United States

*Melocrinites oblongus* (Wachsmuth and Springer, 1892). Bassler and Moodey, 1943,  
 p. 558. Hauser, 2002, Tabs. 6-7.

*Melocrinus oblongus* Wachsmuth and Springer, 1892, p. 143. Miller, S. A., 1892a,  
 p. 680. Wachsmuth and Springer, 1897, p. 300, Pl. 22, figs. 9, 12. Miller, S. A.,  
 1897, p. 748. Grabau and Shimer, 1910, p. 555. Bassler, 1915, p. 795.  
 Springer, 1926a, p. 28, Pl. 5, figs. 5-6. Bassler and Moodey, 1943, p. 558.  
 Silurian, Niagaran, Louisville Limestone; Laurel Limestone; Bob Limestone. United  
 States, Kentucky, Indiana, Tennessee

*Melocrinites obpyramidalis* (Winchell and Marcy, 1865). Bassler and Moodey, 1943,  
 p. 558. Hauser, 2002, Tabs. 6-7.

*Actinocrinus obpyramidalis* Winchell and Marcy, 1865, p. 87, Pl. 2, fig. 4. Bigsby,  
 1868, p. 18. Miller, S. A., 1889, p. 219. Bassler, 1915, p. 796. Bassler and  
 Moodey, 1943, p. 558.

*Melocrinus obpyramidalis* (Winchell and Marcy, 1865). Hall, 1865a (adv. pub.). Hall,  
 1867b, p. 390. Miller, S. A., 1889, p. 261. Weller, S., 1900, p. 97, Pl. 3, figs.  
 11-12. Bassler, 1915, p. 796. Bassler and Moodey, 1943, p. 558.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Melocrinites obscurus* (Fraipont, 1884). Bassler and Moodey, 1943, p. 558. Hauser,  
 2002, Tabs. 6-7.

*Melocrinus obscurus* Fraipont, 1884, p. 107, Pl. 1, fig. 2 (Dewalque, ms). Bassler  
 and Moodey, 1943, p. 558.

Devonian, Frasnian. Belgium

*Melocrinites occidentalis* (Oehlert, 1882). Bassler and Moodey, 1943, p. 558. Le Menn, 1985, p. 63, Pl. 11, figs. 5-6; Fig. 24. Webster, 1988, p. 110. Hauser, 2002, Tabs. 6-7.

*Melocrinus occidentalis* Oehlert, 1882, p. 357, Pl. 8, fig. 4; Unnum. fig. Bassler and Moodey, 1943, p. 558.

Devonian, Lochkovian - Pragian, Saint-Cenere Formation. France, Armorican Massif

*Melocrinites oehlerti* (Wachsmuth and Springer, 1885). Bassler and Moodey, 1943, p. 558. Hauser, 2002, Tabs. 6-7.

*Melocrinus oehlerti* Wachsmuth and Springer, 1885, p. 105 (327). Bassler and Moodey, 1943, p. 558

*Melocrinus verneuili* Oehlert, 1882, p. 358, Pl. 8, fig. 5. Bassler and Moodey, 1943, p. 558.

Early Devonian, series not given. France

*Melocrinites onondaga* (Springer, 1926). Bassler and Moodey, 1943, p. 558. Hauser, 2002, Tabs. 6-7.

*Melocrinus onondaga* Springer, 1926a, p. 28, Pl. 5, fig. 4. Bassler and Moodey, 1943, p. 558.

Devonian, Emsian, Onondaga Limestone. United States, Ohio

*Melocrinites ornatus* (Goldring, 1936). Bassler and Moodey, 1943, p. 558. Hauser, 2002, Tabs. 6-7.

*Melocrinus ornatus* Goldring, 1936, p. 17, Pl. 7, fig. 1. Bassler and Moodey, 1943, p. 558.

Devonian, early Givetian, Skaneateles Shale, Berwyn Member. United States, New York

*Melocrinites pachydactylus* (Conrad, 1841) = *Ctenocrinus pachydactylus*

*Melocrinites parvus* (Wachsmuth and Springer, 1892). Hauser, 1999, p. 51, Pls. 12, figs. 1, 3; 18, fig. 5. Hauser, 2002, p. 38, Fig. 26; Tabs. 6-7.

*Melocrinus parvus* Wachsmuth and Springer, 1892, p. 144. Wachsmuth and Springer, 1897, p. 303, Pl. 22, fig. 8. Bergounioux, p. 85, Pl. 6, figs. 3-4, Fig. 3. Hauser, 1999, p. 51.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Melocrinites* cf. *parvus* (Wachsmuth and Springer, 1892). Hauser, 1999, p. 51, Pls. 12, fig. 2.

Devonian, Frasnian (F2i), Neuville Formation. Ardenne

*Melocrinites* aff. *parvus* (Wachsmuth and Springer, 1892). Hauser, 1999, p. 51, Pl. 12, figs. 4-5.

Devonian, Frasnian (F2i), Neuville Formation. Ardenne

- Melocrinites* sp. indet. aff. *M. parvus* (Wachsmuth and Springer, 1892). Hauser, 1999, p. 51, Pl. 17, fig. 3.  
Devonian, Frasnian (F2i), Neuville Formation. Ardenne
- Melocrinites paucidactylus* (Hall, 1859) = *Ctenocrinus paucidactylus*
- Melocrinites pentangularis* (Cleland, 1911). Bassler and Moodey, 1943, p. 558. Hauser, 2002, Tabs. 6-7.  
*Melocrinus pentangularis* Cleland, 1911, p. 41, Pl. 3, fig. 10. Bassler and Moodey, 1943, p. 558.  
Devonian, late Givetian, Milwaukee Formation. United States, Wisconsin
- Melocrinites pergrandis* Dubatolova, 1964, p. 47, Pls. 5, figs. 8-9; 6, figs. 2-4; 7, fig. 1; Fig. 6. Webster, 1977, p. 110. Hauser, 2002, Tabs. 6-7.  
Devonian, Frasnian. Russia, Kuznetz Basin
- Melocrinites plumosus* (Hall, 1859). Kesling, 1964a, p. 92. Webster, 1973, p. 172. Hauser, 2002, Tabs. 6-7.  
*Mariacrinus plumosus* Hall, 1859b, p. 110, Pl. 5, figs. 6-11. Shumard, 1868, p. 380. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 260. Wachsmuth and Springer, 1897, p. 284, Pl. 23, figs. 6-7. Goldring, 1923, p. 109, Pl. 5, figs. 1-2. Kirk, 1929d, p. 342. Bassler and Moodey, 1943, p. 381. Kesling, 1964a, p. 92. Webster, 1973, p. 172.  
Devonian, Lochkovian, Coeymans Limestone. United States, New York
- Melocrinites postgibbosus* Hauser, 2002, p. 33, Pl. 2, figs. 1-1a; Fig. 19; Tabs. 6-7.  
Devonian, latest Frasnian, Budesheim Formation. Belgium
- Melocrinites powelli* (Goldring, 1923). Bassler and Moodey, 1943, p. 559. Goldring, 1945, p. 62, Pl. 1, fig. 5. Webster, 1973, p. 172. Hauser, 2002, Tabs. 6-7.  
*Melocrinus powelli* Goldring, 1923, p. 142, Pl. 15, fig. 6. Goldring, 1935b, p. 365, Pls. 25, figs. 3-4; 26, fig. 1. Bassler and Moodey, 1943, p. 559.  
Devonian, middle Givetian, Moscow Shale. United States, New York
- Melocrinites? prodigiosus* Hauser, 1999, p. 52, Pl. 13, figs. 1-5; Fig. 22. Hauser, 2002, Tabs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- Melocrinites? prodigiosus sphaericus* Hauser, 1999, p. 54, Pl. 14, fig. 1. Hauser, 2002, Tabs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- ?*Melocrinites prostellaris* (Frech, 1914). New Combination Webster, 2003. Hauser, 2002, Tabs. 6-7.

*Melocrinus prostellaris* Frech msc in Charlesworth, 1914, p. 339, Pl. 29, fig. 2; Fig. 3.

Devonian, Givetian, Riffkalkes. Germany, Eastern Alps

*Melocrinites pulcher* (Spreistersbach, 1919). Schmidt, W. E., 1942, p. 88, Pl. 20, fig. 2; Fig. 25, nos. a-f. Bassler and Moodey, 1943, p. 559. Ubaghs, 1958b, p. 297, Fig. 17, no. E. Webster, 1973, p. 172. Ubaghs in Moore and Teichert, 1978, p. T140, Fig. 112, no. 4. Webster, 1986, p. 202. Hauser, 2002, Tabs. 6-7.

*Melocrinus pulcher* Spreistersbach, 1919, p. 440, Pls. 24, figs. 1-7; 25, figs. 1-7; Figs. 1-3. Bassler and Moodey, 1943, p. 559.

Devonian, Eifelian, *Cultrijugatus* Biozone. Germany

*Melocrinites pulcher anulifera* (Spreistersbach, 1919). Schmidt, W. E., 1942, p. 89, Fig. 25, no. g. Bassler and Moodey, 1943, p. 559. Webster, 1973, p. 172.

*Melocrinus pulcher* var. *anulifera* Spreistersbach, 1919, p. 447, Pl. 25, fig. 8. Bassler and Moodey, 1943, p. 559.

Middle Devonian, series not given. Germany

*Melocrinites pulvinatus* (Luttig, 1951) = *Ctenocrinus pulvinatus*

*Melocrinites pyramidalis* Goldfuss, 1839, p. 339, Pl. 31, fig. 1. Bassler and Moodey, 1943, p. 559. Hauser, 2001, Pl. 27, fig. 6. Bohatý, 2009b, p. 1570, Figs. 4-5.

*Melocrinus pyramidalis* (Goldfuss, 1839). d'Orbigny, 1850, p. 103. Dujardin and Hupé, 1862, p. 145. Schultze, 1866, p. 66 (adv. pub.). Schultze, 1867, p. 178, Pl. 6, fig. 5. Bassler and Moodey, 1943, p. 559. Hauser, 1997, p. 168, Pl. 59, figs. 4, 6.

Devonian, Givetian, Eifelian, Lough Formation. Germany; Frasnian: Belgium

*Melocrinites pyramidalis* (Ubaghs, 1945) (*non* Goldfuss, 1839) = *Ctenocrinus pyramidalis*

*Melocrinites* aff. *pyramidalis* (Goldfuss, 1838). Hauser, 1997, Pl. 59, fig. 5.

Devonian, Givetian, Lough Formation. Germany

*Melocrinites reticularis* (Olsson, 1912). Bassler and Moodey, 1943, p. 559. Hauser, 2001, Pl. 27, fig. 6. Bohatý, 2009b, p. 1570, Figs. 4-5.

*Melocrinus reticularis* Olsson, 1912, p. 31, Pl. 7, fig. 1. Goldring, 1923, p. 137, Pl. 15, fig. 1. Bassler and Moodey, 1943, p. 559.

Devonian, Frasnian, Ithaca beds. United States, New York

*Melocrinites rhenanoides* (Schmidt, 1942) = *Ctenocrinus rhenanoides*

*Melocrinites rhenanoides demissa* (Schmidt, 1942) = *Ctenocrinus rhenanoides demissa*

*Melocrinites rhenanus* (Follmann, 1887) = *Ctenocrinus rhenanus*

*Melocrinites rhenanus multiplex* (Schmidt, 1942) = *Ctenocrinus rhenanus multiplex*



*Melocrinites rhenanus simplex* (Schmidt, 1942) = *Ctenocrinus rhenanus simplex*

*Melocrinites rhenanus ulcifer* (Schmidt, 1942) = *Ctenocrinus rhenanus ulcifer*

*Melocrinites rigidus* (Angelin, 1878) = *Cyliocrinus rigidus*

*Melocrinites roemeri* (Wachsmuth and Springer, 1897) = *Cytocrinus laevis*

*Melocrinites* cf. *roemeri* (Wachsmuth and Springer, 1897). Hauser, 2002, Pls. 5, figs. 4-4a; 10, fig. 5.

Late Devonian, series not given. locality not given

*Melocrinites rotundatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 559. Hauser, 2001, p. 22, 53, Pl. 11, figs. 1-1a; Fig. 36. Hauser, 2002, p. 38, Pl. 1, figs. 3-3a; Fig. 27; Tabs. 6-7.

*Melocrinus rotundatus* Schultze, 1866, p. 67 (adv. pub.). Schultze, 1867, p. 179, Pl. 6, fig. 2. Bassler and Moodey, 1943, p. 559. Hauser, 1997, p. 169.  
Devonian, Givetian, Loogh Formation. Germany

*Melocrinites rotundatus sphaericus* Hauser, 2002, p. 40, Pls. 1, figs. 2-2a; 2, figs. 2-2b; Fig. 29; Tabs. 6-7.

Devonian, latest Frasnian, Budesheim Formation. Belgium

*Melocrinites rugosus* (Trenkner, 1867). Hauser, 1999, p. 56, Pl. 14, fig. 4; Fig. 23.  
Hauser, 2002, p. 42, Pls. 6, fig. 5; 7, fig. 4; Figs. 15, 31-32; Tabs. 6-7.

*Actinocrinus rugosus* Trenkner, 1867, p. 28, Pl. 4, fig. 62a-62b. Bassler and Moodey, 1943, p. 556. Hauser, 1999, p. 56.

*Melocrinus dewalquei* von Koenen, 1886, p. 109, Pl. 2, figs. 4a-4c. Bassler and Moodey, 1943, p. 555. Hauser, 1999, p. 56.

*Melocrinites dewalquei* (von Koenen, 1886). Bassler and Moodey, 1943, p. 555.

*Melocrinus hieroglyphicus* Fraipont, 1883, p. 45, Pls. 2-3; 4, figs. 1-5; Unnum. Fig. p. 44. Bassler and Moodey, 1943, p. 555.

Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne

*Melocrinites* aff. *rugosus* (Trenkner, 1867). Hauser, 1999, p. 56, Pl. 14, figs. 2-3, 6.  
Hauser, 2002, Pl. 7, figs. 3-3a.

Devonian, Frasnian (F2i), Neuville Formation. Germany, Ardenne

*Melocrinites* cf. *rugosus* (Trenkner, 1867). Hauser, 1999, p. 56, Pls. 14, fig. 5; 18, fig. 2.  
Devonian, Frasnian (F2i), Neuville Formation. Ardenne

*Melocrinites rugosus* (Schmidt, 1942) = *Ctenocrinus rugosus*

*Melocrinites sculptus* Hall, 1852a, p. 228, Pl. 49-A, figs. 2a-2d. Bigsby, 1868, p. 22.  
Miller, S. A., 1889, p. 261. Bassler, 1915, p. 797. Bassler and Moodey, 1943, p. 559. Hauser, 2002, Tabs. 6-7.

- Melocrinus sculptus* (Hall, 1852). Shumard, 1868, p. 381. Miller, S. A., 1889, p. 261. Bassler, 1915, p. 797.  
Silurian, Niagaran, Rochester Shale. United States, New York
- Melocrinites separabilis* Hauser, 1999, p. 58, Pl. 15, fig. 1-3; Fig. 24. Hauser, 2002, Tabs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne
- Melocrinites signatus* (Schmidt, 1942) = *Ctenocrinus signatus*
- Melocrinites sinuosus* Hauser, 1999, p. 59, Pl. 15, fig. 4. Hauser, 2002, Tabs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. Belgium, Ardenne
- Melocrinites solidus* Jell and Jell, 1999, p. 217, Figs. 14-17. Hauser, 2002, Tabs. 6-7.  
Devonian, late Frasnian, Virgin Hills Formation. Australia, Western Australia
- Melocrinites solus* Jell *et al.*, 1988, p. 374, Figs. 13, nos. I-L; 14, no. B. Webster, 1993, p. 78. Hauser, 2002, Tabs. 6-7.  
Devonian, Pragian (*sulcatus* Biozone), Garra Formation. Australia, Queensland
- Melocrinites spectabilis* (Angelin, 1878) = *Promelocrinus spectabilis*
- Melocrinites splendens* (Goldring, 1923). Bassler and Moodey, 1943, p. 559. Ubaghs, 1953, p. 741, Fig. 82, no f. Webster, 1973, p. 173. Ubaghs *in* Moore and Teichert, 1978, p. T144, Fig. 117, no. 6. Webster, 1986, p. 202.  
*Melocrinus splendens* Goldring, 1923, p. 144, Pl. 16, fig. 1. Bassler and Moodey, 1943, p. 559.  
Devonian, Famennian, upper part of Chemung Formation. United States, New York
- Melocrinites stellaris* (Roemer, 1851). Bassler and Moodey, 1943, p. 559. Milicina, 1977b, p. 131, Pl. 4, fig. 1. Webster, 1986, p. 202. Hauser, 1997, p. 170. Hauser, 2002, Tabs. 6-7.  
*Ctenocrinus stellaris* Roemer, C. F. *in* Bronn and Roemer, 1851, p. 254, Pl. 4, figs. 19a-19b. Roemer, C. F., 1852, p. 283, Pl. 2, figs. 2a-2c. Roemer, C. F., 1852-1854, p. 254, Pl. 4, figs. 19a-19b. Pictet, 1857, p. 322, Pl. 101, Fig. 1. Eichwald, 1860, p. 610, Pl. 32, figs. 27a-27b. Dujardin and Hupé, 1862, p. 136. Bigsby, 1868, p. 19. Bassler and Moodey, 1943, p. 559. Hauser, 2007, p. 26, Fig. 3.  
*Melocrinus stellaris* (Roemer, 1851). Schultze, 1866, p. 65 (adv. pub.). Schultze, 1867, p. 177, Pl. 6, fig. 3. Holzapfel, 1895, p. 303. Whidborne, 1895, p. 200, Pl. 23, fig. 12. Frech, 1902, Pl. 27, figs. 1a-2b. Bassler and Moodey, 1943, p. 559.  
Devonian, Eifelian - Givetian, ?Loogh Formation, Eifel Limestone: Germany; United Kingdom
- Melocrinites stellatus* Chen and Yao, 1993 (non Roemer, 1851), p. 41, Pl. 10, figs. 7-11; Fig. 21, nos. a-d. Hauser, 2002, Tabs. 6-7. Webster, Waters and Chen, 2009, p. 141, Fig. 7, nos. d-f, i-j

Devonian, early Famennian, ?upper part of Heyuanzhai Formation. China, Yunnan Province

*Melocrinites stellifer* (Follmann, 1887) = *Ctenocrinus stellifer*

*Melocrinites striatus* (Münster, 1840) = *Abatocrinus stereopes*

*Melocrinites subglobosus* (Weller, 1898). Bassler and Moodey, 1943, p. 559. Le Menn, 1988b, p. 461, Pl. 53, figs. 1-2; Fig. 2. Webster, 1993, p. 78. Hauser, 2002, Tabs. 6-7.

*Melocrinus subglobosus* Weller, S., 1898a, p. 120, Pl. 14, fig. 1. Cleland, 1911, p. 39, Pl. 3, figs. 6-7. Bassler and Moodey, 1943, p. 559.

Devonian, late Givetian - early Frasnian, Beaulieu Formation, Cambresequ Member; Milwaukee Formation, Lindwurm Member. Germany; France; United States, Wisconsin

*Melocrinites subtilistriatus* (Goldring, 1938). Bassler and Moodey, 1943, p. 560. Hauser, 2002, Tabs. 6-7.

*Melocrinus subtilistriatus* Goldring, 1938b, p. 8, Pl. 1, figs. 1-5. Bassler and Moodey, 1943, p. 560.

Late Devonian, Frasnian?. Canada, Northwest Territory

*Melocrinites sulcosutra* (Goldring, 1938) = *Melocrinites sulcosutura*

*Melocrinites sulcosutura* (Goldring, 1938). Hauser, 2002, Pls. 14, fig. 3; 15, figs. 1-1a; Tabs. 6-7.

*Melocrinus sulcosutura* Goldring, 1938b, p. 9, Pl. 1, fig. 6. Bassler and Moodey, 1943, p. 560.

*Melocrinites sulcosutra* (Goldring, 1938). Bassler and Moodey, 1943, p. 560.

*Melocrinus sulcosutra* Goldring, 1938. Bassler and Moodey, 1943, p. 560.

Late Devonian, Frasnian?. Canada, Northwest Territory

*Melocrinites tempestus* Jell *et al.*, 1988, p. 372, Figs. 13, nos. A-H; 14, no. A. Webster, 1993, p. 78. Jell, 1999c, p. 352, Fig. 1. Hauser, 2002, p. 36, Fig. 24; Tabs. 6-7.

Devonian, Givetian, Papilio Formation; Famennian?, Campwyn Volcanics. Australia, Queensland

*Melocrinites tennesseeensis* (Springer, 1926). Bassler and Moodey, 1943, p. 560. Hauser, 2002, Tabs. 6-7.

*Melocrinus tennesseeensis* Springer, 1926a, p. 27, Pl. 5, fig. 1. Bassler and Moodey, 1943, p. 560.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Melocrinites tersus* (Rowley, 1894). Bassler and Moodey, 1943, p. 560. Webster, 1973,

p. 173. Hauser, 2002, Tabs. 6-7.

*Melocrinus tersus* Rowley, R. R., 1894, p. 151, Fig. 1. Miller, S. A., 1897, p. 748.  
 Branson, E. B. 1924, p. 60, Pl. 7, figs. 9-10. Bassler and Moodey, 1943, p. 560.  
 Branson, E. B., 1944, p. 150, Pl. 21, figs. 12-13. Webster, 1973, p. 173.  
 Devonian, Frasnian, Snyder Creek Shale. United States, Missouri

*Melocrinites tiffanyi* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 560. Hauser, 2002, p. 23, Fig. 9; Tabs. 6-7.

*Melocrinus tiffanyi* Wachsmuth and Springer, 1897, p. 299, Pl. 22, figs. 7a-7b.  
 Miller, S. A., 1897, p. 748. Thomas, A. O., 1924, p. 437, Pl. 37, fig. 5. Moore,  
 1939b, p. 199, Fig. 8, no. 3 (basal circlet). Bassler and Moodey, 1943, p. 560.  
 Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Melocrinites? triformis* Dubatolova, 1964, p. 47, Pls. 5, figs. 8-9; 6, figs. 2-4; 7, fig. 1;  
 Fig. 6. Webster, 1973, p. 173. Hauser, 2002, Tabs. 6-7.  
 Devonian, Frasnian. Russia, Kuznetz Basin

*Melocrinites tumidus* Dubatolova, 1964, p. 44, Pl. 5, fig. 7. Webster, 1973, p. 173.  
 Hauser, 2002, Tabs. 6-7.  
 Devonian, Pragian - Emsian. Russia, Kuznetz Basin

*Melocrinites typus* (Bronn, 1840) = *Ctenocrinus typus*

*Melocrinites umbraculum* (Luttig, 1951) = *Ctenocrinus umbraculum*

*Melocrinites unnenbergensis* (Luttig, 1951) = *Ctenocrinus unnenbergensis*

*Melocrinites uralicus* Milicina, 2000a, p. 58, Pl. 10, fig. 3. Fig. 4. Milicina, 2000b, p. 63,  
 Pl. 10, nos. 3a-3b; Fig. 4.  
 Silurian, early Wenlockian, "Fragmental" Limestone; late Wenlockian, Elkino  
 Horizon. Russia, east slope Ural Mountains

*Melocrinites verneuili* (Troost, 1850) = *Cytocrinus verneuili*

*Melocrinites verneuili* Winchell and Marcy, 1866 = *Lobomelocrinus verneuili*

*Melocrinites verrucosus* Goldfuss, 1839, p. 339, Pl. 31, fig. 3. Bassler and Moodey,  
 1943, p. 560. Hauser, 1997, p. 172, Pl. 62, fig. 1. Hauser, 1999, p. 61, Pl. 16,  
 figs. 1-3. Hauser, 2001, p. 22, 54, Pls. 12, figs. 3-3b; 27, fig. 7; Figs. 37-38.  
 Hauser, 2002, Fig. 10.

*Melocrinus verrucosus* (Goldfuss, 1839). d'Orbigny, 1850, p. 103. Roemer, C. F. *in*  
 Bronn and Roemer, 1851, p. 252. Pictet, 1857, p. 325, Pl. 101, fig. 8. Dujardin  
 and Hupé, 1862, p. 145. Schultze, 1866, p. 65 (adv. pub.) . Schultze, 1867, p.  
 177, Pl. 6, fig. 4. Quenstedt, 1885, p. 958, Pl. 77, fig. 10. Barrois, 1886, p. 196,  
 Pl. 4, fig. 7. Bergougnieux, 1939, p. 87, Pl. 6, figs. 5-6. Bassler and Moodey,  
 1943, p. 560. Webster, 1977, p. 110.

Devonian, Givetian, ?Loogh Formation; Frasnian (F2i), Neuville Formation.  
 Germany; France and Belgium Ardenne

- Melocrinites* aff. *verrucosus* (Goldfuss, 1838). Hauser, 1997, Pl. 61, fig. 4.  
Devonian, horizon not given. Germany
- Melocrinites* cf. *verrucosus* (Goldfuss, 1838). Hauser, 1997, Pl. 62, fig. 2.  
Devonian, Givetian, ?Loogh Formation. Germany
- Melocrinites volaticus* Hauser, 1999, p. 62, Pl. 16, figs. 4-5; Fig. 25. Hauser, 2002,  
Tabs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- Melocrinites* aus der Gruppe *M. volaticus* Hauser, 1999, p. 62, Pl. 2, fig. 6.  
Devonian, ?Frasnian (F2i), formation not given. Ardenne
- Melocrinites volborthi* (Angelin, 1878). Bassler and Moodey, 1943, p. 560. Hauser,  
2002, Tabs. 6-7.  
*Melocrinus volborthi* Angelin, 1878, p. 20, Pls. 7, figs. 8-11; 23, figs. 16, 30-32; 26,  
fig. 23. Bassler and Moodey, 1943, p. 560.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Melocrinites wallersheimensis* Hauser, 2002, p. 44, Pl. 5, figs. 1-2; Fig. 33, Tabs. 6-7.  
Devonian, latest Frasnian, Budesheim Formation. Belgium
- Melocrinites whittakeri* (Springer, 1926). Bassler and Moodey, 1943, p. 560. Hauser,  
2002, p. 46, Pls. 1, figs. 1-1a; 2, figs. 3-3a; 15, figs. 2-2a; Fig. 36, Tabs. 6-7.  
*Melocrinus whittakeri* Springer, 1926c, p. 131, Pl. 24, figs. 14-17. Bassler and  
Moodey, 1943, p. 560.  
Late Devonian, Frasnian?. Canada, Northwest Territory
- Melocrinites willetensis* (Goldring, 1923). Bassler and Moodey, 1943, p. 560. Hauser,  
2002, Tabs. 6-7.  
*Melocrinus willetensis* Goldring, 1923, p. 146, Pl. 16, fig. 2. Bassler and Moodey,  
1943, p. 560.  
Devonian, Frasnian, lower part of Chemung Formation. United States, New York
- Melocrinites willetensis perstriatus* (Goldring, 1923). Bassler and Moodey, 1943, p.  
560. Hauser, 2002, Tabs. 6-7.  
*Melocrinus willetensis* var. *perstriatus* Goldring, 1923, p. 147, Pl. 16, figs. 3-5.  
Bassler and Moodey, 1943, p. 560.  
Devonian, Frasnian, lower part of Chemung Formation; Ithaca Beds. United  
States, New York
- Melocrinites williamsi* (Olsson, 1912). Bassler and Moodey, 1943, p. 560. Hauser, 2002,  
Tabs. 6-7.  
*Melocrinus williamsi* Olsson, 1912, p. 30, Pl. 6, fig. 3. Goldring, 1923, p. 138, Pl. 15,  
fig. 2. Bassler and Moodey, 1943, p. 560.  
Devonian, Frasnian, Ithaca Formation. United States, New York

- Melocrinites wittenbergensis* (Rowley, 1904). Bassler and Moodey, 1943, p. 561.  
Hauser, 2002, Tabs. 6-7.  
*Melocrinus wittenbergensis* Rowley, R. R., 1904d, p. 274, Pl. 16, fig. 27. Bassler, 1915, p. 797. Bassler and Moodey, 1943, p. 561.  
Devonian, Lochkovian, Bailey Limestone. United States, Missouri
- Melocrinites* sp. Formengruppe *M. milwaukensis* (Weller, 1898). Hauser, 1999, p. 63, Pl. 12, figs. 6-7.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- Melocrinitidae, Genus indet. Webster and Becker, 2009, p. 139, Fig. 4, nos. C-D.  
Devonian, Givetian, basal part of Anou Sâmaïra Formation. Morocco
- Melocrinitoidea, Incertae familiae, Genus indet. Webster and Becker, 2009, p. 138, Fig. 4, nos. A-B.  
Devonian, Givetian, Tigusselt Member, Ahrerouch Formation. Morocco
- Melocrinites* sp. reconstruction Hauser, 1999, Pl. 29, figs. 2-3.  
Devonian, Frasnian (F2i), Neuville Formation. France and Belgium Ardenne
- Melocrinites* n. sp. (Sieverts-Doreck, 1957) = *Ctenocrinus* n. sp.
- Melocrinites* sp. nov. Webster, 1973 = *Ctenocrinus arduensis*
- Melocrinites* spp.
- Melocrinus* sp. (young) Clarke, 1921b, p. 73, Fig. 61.  
Devonian, West Hill Shale. United States, New York  
Paeckelmann, 1922, p. 66.  
Middle Devonian, Massenkalkes. Germany  
Fraunfelter, 1974, p. 15, Pl. 1, figs. 28-29. Webster, 1986, p. 202.  
Middle Devonian, Lingle Limestone. United States, Illinois, Missouri  
Gupta and Webster, 1976, p. 413, Fig. 1. Webster, 1986, p. 202.  
**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Early Devonian, Godavari Series. India, Nepal  
Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
Devonian  
Gluchowski, 1993a, p. 40, Fig. 3, nos. G-H (arm fragments).  
Devonian, late Frasnian, Detrital Beds. Poland  
Hauser, 1999, Pl. 17, fig. 5.  
Devonian, Frasnian (F2i), Neuville Formation. Ardenne  
Milicina, 2000a, p. 58. Milicina, 2000b, p. 63, Pl. 10, fig. 7.  
Silurian, early Wenlockian, "Fragmental" Limestone. Russia, east slope Ural Mountains
- Melocrinites?* sp. Fraunfelter, 1974, p. 15, Pl. 2, figs. 2-5, 19. Webster, 1986, p. 202.  
Middle Devonian, St. Laurent Limestone. United States, Missouri
- Melocrinites* sp. indet. Ubaghs, 1945a = *Ctenocrinus* sp. indet.

*Melocrinites* sp. indet. Gupta and Webster, 1980, p. 12, Pl. 1, fig. 1. Webster, 1986, p. 202.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Early Late Silurian, lower part of Tanze Formation. India, Ladakh

*Melocrinites* sp. nov. Webster, 1973 = *Ctenocrinus* sp. nov.

**MELOCRINUS** of authors = **MELOCRINITES**

*Melocrinus aequalis* Miller, 1892 = *Melocrinites aequalis*

*Melocrinus amphora* (Goldfuss, 1839) = *Amphoracrinus gilbertsoni*

*Melocrinus angustatus* Angelin, 1878 = *Melocrinites angustatus*

*Melocrinus bainbridgensis* Wachsmuth and Springer, 1897 (part) = *Melocrinites clarkei*

*Melocrinus bainbridgensis* Hall and Whitfield, 1975 = *Melocrinites bainbridgensis*

*Melocrinus (Ctenocrinus) bainbridgensis* Hall and Whitfield, 1875 = *Melocrinites bainbridgensis*

*Melocrinus belanski* Thomas, 1924 = *Melocrinites belanski*

*Melocrinus benedeni* Fraipont, 1883 = *Melocrinites benedeni*

*Melocrinus borealis* Springer, 1921 = *Melocrinites borealis*

*Melocrinus breviradiatus* Hall, 1872 = *Melocrinites breviradiatus*

*Melocrinus caelatus* (Phillips, 1839) = *\*Marsupiocrinus (Marsupiocrinus) coelatus*

*Melocrinus calvini* Wachsmuth and Springer, 1897 = *Melocrinites calvini*

*Melocrinus canadensis* Springer, 1921 = *Melocrinites canadensis*

*Melocrinus chapuisi* Fraipont, 1883 = *Melocrinites chapuisi*

*Melocrinus clarkei* Williams, 1882 = *Melocrinites clarkei*

*Melocrinus clarkii* Williams, 1882 = *Melocrinites clarkii*

*Melocrinus constrictus* Wanner, 1942 = *Melocrinites? constrictus* = *Ctenocrinus constrictus*

“*Melocrinus constrictus* Wanner, 1942”. Hauser, 1997, Pl. 59, fig. 3.

Devonian, horizon not given. Germany

*Melocrinus dactylus* (Hall, 1843) = *Lyriocrinus dactylus*

*Melocrinus dewalquei* von Koenen, 1886 = *Melocrinites dewalquei* = *Melocrinites rugosus*

*Melocrinus dordoloti* Maillieux, 1909 = *Melocrinites dordodoti*

*Melocrinus dordodoti* Maillieux, 1909 = *Melocrinites dordodoti*

*Melocrinus fornicatus* Goldfuss, 1839 = *Melocrinites fornicatus*

*Melocrinus fraiponti* von Koenen, 1886 = *Melocrinites fraiponti*

*Melocrinus gibbosus* Schultze, 1866 = *Melocrinites gibbosus*

*Melocrinus gibbosus* var. *aculeatus* Schultze, 1866 = *Melocrinites gibbosus aculeatus*

*Melocrinus gibbosus* var. *gracilis* Schultze, 1866 = *Melocrinites gibbosus gracilis*

*Melocrinus gibbosus* var. *granosus* Schultze, 1866 = *Melocrinites gibbosus granosus*

*Melocrinus globosus* (Goldfuss, 1839) = *Melocrinites globosus*

*Melocrinus globosus* Fraipont, 1883 = *Melocrinites globosus*

*Melocrinus gracilis* Wachsmuth and Springer, 1897 = *Melocrinites gracilis*

*Melocrinus granulatus* Angelin, 1878 = *Melocrinites granulatus*

*Melocrinus gregeri* Rowley, 1893 = *Melocrinites gregeri*

*Melocrinus* (*Trichotocrinus*) *harrisi* Olsson, 1912 = *Melocrinites harrisi* = *Trichotocrinus harrisi*

*Melocrinus hieroglyphicus* Fraipont, 1883 = *Melocrinites dewalquei* = *Melocrinites rugosus*

*Melocrinus hieroglyphicus* (Goldfuss, 1831) = *Melocrinites hieroglyphicus*

*Melocrinus* cf. *hieroglyphicus* (Goldfuss, 1831) = *Melocrinites* cf. *hieroglyphicus*

*Melocrinus hieroglyphicus* var. *concentrica* Bergouguioux, 1939 = *Melocrinites hieroglyphicus concentrica* = *Melocrinites concentricus*

*Melocrinus hieroglyphicus* var. *mespiliformis* Fraipont, 1883 = *Melocrinites mespiliformis*



- Melocrinus humei* Goldring, 1938 = *Melocrinites humei*
- Melocrinus inornatus* Fraipont, 1883 = *Melocrinites inornatus*
- Melocrinus kindlei* Springer, 1926 = *Melocrinites kindlei*
- Melocrinus konincki* Fraipont, 1883 = *Melocrinites konincki*
- Melocrinus laevis* (Goldfuss, 1831) = *Melocrinites laevis*
- Melocrinus laevis* (Roemer, 1860) = *Cytocrinus laevis*
- Melocrinus laevis gracilis* (Goldfuss, 1831) = *Melocrinites laevis*
- Melocrinus lamellosus* Eichwald, 1855 = *Ctenocrinus lamellosus*
- Melocrinus? linderi* Thomas, 1924 = *Melocrinites? linderi*
- Melocrinus (Trichotocrinus?) lutheri* Goldring, 1923 = *Trichotocrinus? lutheri*
- Melocrinus lylii* Rowley, 1894 = *Melocrinites lylii*
- Melocrinus mackenzie* Springer, 1926 = *Melocrinites mackenzie*
- Melocrinus mespiliformis* Fraipont, 1883 = *Melocrinites mespiliformis*
- Melocrinus micmac* Clarke, 1909 = *Melocrinites micmac*
- Melocrinus milwaukensis* Weller, 1898 = *Melocrinites milwaukensis*
- Melocrinus milwaukensis* var. *rotundus* Weller, 1898 = *Melocrinites milwaukensis rotundus*
- Melocrinus minutus* Trenkner, 1867 = *Melocrinites minutus*
- Melocrinus moniliferus* (Miller, 1821) = *Actinocrinites moniliferus* = *Periechocrinites moniliferus* = *Periechocrinus moniliferus*
- Melocrinus naplesensis* Goldring, 1923 = *Melocrinites naplesensis*
- Melocrinus nobilissimus* (Hall, 1859) = *Melocrinites nobilissimus* = *Ctenocrinus nobilissimus*
- Melocrinus nodosus* Hall, 1861 = *Melocrinites nodosus*
- Melocrinus nodosus irregularis* Thomas, 1924 = *Melocrinites nodosus irregularis*

- Melocrinus nodosus* var. *spinosus* Weller, 1898 = *Melocrinites nodosus spinosus*
- Melocrinus obconicus* Hall, 1867 = *Melocrinites obconicus* = *Lobomelocrinus obconicus*
- Melocrinus oblongus* Wachsmuth and Springer, 1892 = *Melocrinites oblongus*
- Melocrinus obpyramidalis* Winchell and Marcy, 1855 = *Melocrinites obpyramidalis*
- Melocrinus obscurus* Fraipont, 1884 = *Melocrinites obscurus*
- Melocrinus occidentalis* Oehlert, 1882 = *Melocrinites occidentalis*
- Melocrinus oehlerti* Wachsmuth and Springer, 1892 = *Melocrinites oehlerti*
- Melocrinus onondaga* Springer, 1926 = *Melocrinites onondaga*
- Melocrinus ornatus* Goldring, 1936 = *Melocrinites ornatus*
- Melocrinus pachydactylus* Wachsmuth and Springer, 1897 = *Melocrinites pachydactylus* = *Ctenocrinus pachydactylus*
- Melocrinus (Mariacrinus) pachydactylus* Schultze, 1866 = *Ctenocrinus pachydactylus*
- Melocrinus (Mariacrinus) paucidactylus* Schultze, 1866 = *Ctenocrinus pachydactylus*
- Melocrinus parvus* Wachsmuth and Springer, 1892 (part) = *Melocrinites aequalis*
- Melocrinus parvus* Wachsmuth and Springer, 1892 (part) = *Melocrinites parvus*
- Melocrinus paucidactylus* Goldring, 1923 = *Ctenocrinus paucidactylus*
- Melocrinus pentangularis* Cleland, 1911 = *Melocrinites pentangularis*
- Melocrinus powelli* Goldring, 1923 = *Melocrinites powelli*
- Melocrinus pratteni* McChesney, 1868 = *Scyphocrinus pratteni* = *Scyphocrinites pratteni*
- Melocrinus prostellaris* Frech msc in Charlesworth, 1914 = ?*Melocrinites prostellaris*
- Melocrinus pulcher* Spriestersbach, 1919 = *Melocrinites pulcher*
- Melocrinus pulcher* var. *anulifera* Spriestersbach, 1919 = *Melocrinites pulcher anulifera*
- Melocrinus pyramidalis* (Goldfuss, 1839) = *Melocrinites pyramidalis*
- Melocrinus reticularis* Olsson, 1912 = *Melocrinites reticularis*

- Melocrinus rigidus* Angelin, 1878 = *Melocrinites rigidus* = *Cyliocrinus rigidus*
- Melocrinus roemeri* Wachsmuth and Springer, 1897 = *Cytocrinus laevis*
- Melocrinus rotundatus* Schultze, 1866 = *Melocrinites rotundatus*
- Melocrinus rugosus* Maillieux, 1940 = *Ctenocrinus rugosus*
- Melocrinus sampsoni* Miller and Gurley, 1895 = *Actinocrinites milleri* = *Aacocrinus sampsoni*
- Melocrinus sculptus* (Hall, 1852) = *Melocrinites sculptus*
- Melocrinus spectabilis* Angelin, 1878 = *Melocrinites spectabilis* = *Promelocrinus spectabilis*
- Melocrinus? spectabilis* Angelin, 1878 = *Melocrinites spectabilis* = *Promelocrinus spectabilis*
- Melocrinus splendens* Goldring, 1923 = *Melocrinites splendens*
- Melocrinus stellaris* (Roemer, 1852) = *Melocrinites stellaris*
- Melocrinus striatus* (Münster, 1840) = *Melocrinites striatus* = *Abatocrinus stereopes*
- Melocrinus subglobosus* Weller, 1878 = *Melocrinites subglobosus*
- Melocrinus subtilistriatus* Goldring, 1938 = *Melocrinites subtilistriatus*
- Melocrinus sulcosutra* Goldring, 1938 = *Melocrinites sulcosutura*
- Melocrinus sulcosutura* Goldring, 1938 = *Melocrinites sulcosutura*
- Melocrinus tennesseeensis* Springer, 1926 = *Melocrinites tennesseeensis*
- Melocrinus tersus* Rowley, 1894 = *Melocrinites tersus*
- Melocrinus tiffanyi* Wachsmuth and Springer, 1897 = *Melocrinites tiffanyi*
- Melocrinus typus* (Bronn, 1840) = *Ctenocrinus typus*
- Melocrinus (Ctenocrinus) typus* Goldring, 1923 = *Ctenocrinus typus*
- Melocrinus verneuili* (Troost, 1849) = *Cytocrinus laevis*
- Melocrinus verneuili* Oehlert, 1882 = *Melocrinites oehlerti*

*Melocrinus verrucosus* (Goldfuss, 1839) = *Melocrinites verrucosus*

*Melocrinus volborthi* Angelin, 1878 (part) = *Melocrinites spectabilis* = *Promelocrinus spectabilis*

*Melocrinus volborthi* Angelin, 1878 (part) = *Paramelocrinus angelini*

*Melocrinus volborthi* Angelin, 1878 (part) = *Melocrinites volborthi*

*Melocrinus willetensis* Goldring, 1923 = *Melocrinites willetensis*

*Melocrinus willetensis* var. *perstriatus* Goldring, 1923 = *Melocrinites willetensis perstriatus*

*Melocrinus williamsi* Olsson, 1912 = *Melocrinites williamsi*

*Melocrinus whittakeri* Springer, 1926 = *Melocrinites whittakeri*

*Melocrinus wittenbergensis* Rowley, 1824 = *Melocrinites wittenbergensis*

*Melocrinus* sp. (young) Clarke, 1921 = *Melocrinites* sp.

*Melocrinus* sp. Südkamp, 1995a, p. 114, unnumbered fig. p. 114.  
Age and locality not given

**MENDIPOCRINUS** Kammer and Ausich, 2007. \**Poteriocrinus latifrons* Austin and Austin, 1847.

New genus D Ausich and Kammer, 2006, p. 104.

Mississippian, Tournaisian. United Kingdom, Mendip Hills

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lecanocrinoidea, F. Pachylocrinidae

Kammer and Ausich, 2007b, p. 1042.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian, Ivorian. United Kingdom

\**Mendipocrinus latifrons* (Austin and Austin, 1847). Kammer and Ausich, 2007b, p. 1042, Fig. 1, no. E.

*Poteriocrinus latifrons* Austin and Austin, 1847, p. 82, Pl. 10, fig. 4. Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 2007b, p. 1042.

*Poteriocrinus (Pachylocrinus) latifrons* Austin and Austin, 1847. Wachsmuth and Springer, 1880 (1879), p. 116 (339). Bassler and Moodey, 1943, p. 581.

*Scaphocrinus latifrons* (Austin and Austin, 1847). Kammer and Ausich, 2007b, p. 1042.

*Pachylocrinus latifrons* (Austin and Austin, 1847). Sladen, 1878, p. 244. Ausich and

Kammer, 2006, p. 104. Kammer and Ausich, 2007b, p. 1042.  
*Woodocrinus latifrons* (Austin and Austin, 1847). Kammer and Ausich, 2007b, p. 1042.

Mississippian, Tournaisian, Ivorian, Black Rock Limestone. United Kingdom

**MENISCOCRINUS** Kammer and Ausich, 1996. \**M. magnitubus* Kammer and Ausich, 1996.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae  
 Kammer and Ausich, 1996, p. 861.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
 Viséan species

Mississippian, Viséan (Osagean). United States

\**Meniscocrinus magnitubus* Kammer and Ausich, 1996, p. 861, Figs. 4.1-4.4.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Meniscocrinus* sp. Lee, Ausich, and Kammer, 2005, p. 348, Figs. 2.1-2.2.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

**MENOCRINUS** Miller, 1889 = **LECYTHIOCRINUS**

*Menocrinus adamsi* (Worthen, 1882) = *Lecythiocrinus adamsi*

*Menocrinus olliculiformis* (White, 1879) = \**Lecythiocrinus olliculaeformis*

**MERISTOCRINUS** Springer, 1906. \**Cyathocrinus interbrachiatus* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
 Springer, 1906, p. 515. Springer *in* Zittel, 1913, p. 204. Springer, 1920a, p. 205.

Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 561. Moore and Laudon,  
 1943b, p. 73. Ubaghs, 1953, p. 755. Webster, 1973, p. 173. Moore *in* Moore  
 and Teichert, 1978, p. T772, Figs. 506, no. 8c; 507, no. 7b. Webster, 1986, p.  
 202. Donovan et al., 2010, p. 128.

Named, currently recognized species based on cups or crowns: 8 species. 5

Silurian, 5 Wenlockian, 1 Ludlovian; 1 Devonian, Lochkovian, 1

Mississippian, Tournaisian

Silurian, Wenlockian - late Ludlovian. Sweden, United Kingdom

Devonian, late Lochkovian. Australia

Mississippian, Tournaisian. Iran

*Meristocrinus anceps* Springer, 1920a, p. 214, Pl. 17, figs. 4-5. Bassler and Moodey,  
 1943, p. 561.

Silurian, Wenlockian. Sweden, Isle of Gotland

\**Meristocrinus interbrachiatus* (Angelin, 1878). Springer, 1920a, p. 212, Pl. 17, figs. 1-

3. Bassler and Moodey, 1943, p. 561. Moore *in* Moore and Teichert, 1978, p.

T772, Figs. 511, no. 3; 512, no. 3. Webster, 1986, p. 203.

*Cyathocrinus interbrachiatus* Angelin, 1878, p. 23, Pls. 23, figs. 2-2a; 29, fig. 78.  
Bassler and Moodey, 1943, p. 561.

*Taxocrinus (Gnorimocrinus) loveni* Wachsmuth and Springer, 1880 (1879), p. 50 (273). Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 561.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Meristocrinus minor* Springer, 1920a, p. 213, Pl. 17, figs. 8-9. Bassler and Moodey, 1943, p. 561. Donovan et al., 2007, p. 50, Fig. 7, no. G. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 5. Donovan et al., 2010, p. 128, Pl. 36, fig. 3; Fig. 58, nos. A-B. Donovan et al., 2012 p. 128, Fig. 63.  
Silurian, Wenlock, Wenlock Shales. United Kingdom, Worcestershire, Dudley

*Meristocrinus? nodulosus* Salter in Donovan et al., 2010, p. 130, Fig. 60.  
*Cyathocrinus nodulosus* Salter, 1873, p. 124 (*nomen nudum*). Etheridge, 1888, p. 27. Donovan et al., 2010, p. 130.  
Silurian, Wenlock, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley

*Meristocrinus orbignii* (M'Coy, 1850). Donovan et al., 2010, p. 129, Fig. 59.  
*Taxocrinus? orbignii* M'Coy, 1850, p. 289. M'Coy, 1851, p. 53, Pl. 1, no. d; Fig. 1. Donovan et al., 2010, p. 129.  
*Taxocrinus orbigny* M'Coy, 1854, p. 53, Pl. 1-D, fig. 1. 18. Dujardin and Hupé, 1862, p. 147. Bigsby, 1868, p. 23. Salter, 1873, p. 163, Unnum. Fig. same figure as used for *Taxocrinus*, p. 125). Bassler and Moodey, 1943, p. 561. Donovan et al., 2010, p. 129.  
*Cyathocrinus orbigny* (M'Coy); Murchison, 1854, p. 246. Donovan et al., 2010, p. 129.  
*Meristocrinus orbigny* (M'Coy, 1850). Springer, 1920a, p. 213, Pl. 17, fig. 7. Bassler and Moodey, 1943, p. 561. Ramsbottom, 1958, p. 107, Pl. 20, fig. 7. Webster, 1973, p. 173. Donovan et al., 2010, p. 129.  
Silurian, late Ludlovian, upper part of Wenlock Group. United Kingdom

*Meristocrinus orbigny* (M'Coy); authors = *Meristocrinus orbignii*

*Meristocrinus ovatus* Webster et al., 2003, p. 29, Figs. 16.4, 17.1-17.3.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*Meristocrinus quatrirus* Jell, 1999a, p. 105, Fig. 83, nos. A-E.  
Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Meristocrinus tuberosus* Springer, 1920a, p. 214, Pl. 17, fig. 6. Bassler and Moodey, 1943, p. 561.  
Silurian, Wenlockian. Sweden, Isle of Gotland

**MEROCRINUS** Walcott, 1883. \**M. typus* Walcott, 1883.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinoidea, F.

## Merocrinidae

Walcott, 1883, p. 2 (adv. pub.). Walcott, 1884, p. 208. Wachsmuth and Springer, 1886, p. 191 (115). Faber, 1886, p. 19. Miller, S. A., 1889, p. 262. Bather, 1890b, p. 317. Bather, 1899a, p. 33, Fig. 4. Bather, 1913c, p. 11. Springer *in* Zittel, 1913, p. 215. Bassler, 1915, p. 800. Jaekel, 1918, p. 57. Bassler, 1938, p. 131. Bassler and Moodey, 1943, p. 562. Moore and Laudon, 1943b, p. 52, Figs. 1, 6. Moore and Laudon, 1944, p. 155. Moore, 1950, p. 34, Fig. 4, no. e. Ramsbottom, 1961, p. 11, Fig. 5. Moore, 1962b, p. 8, Figs. 1, no. 5; 11, no. 2. Philip, 1963, p. 264, Fig. 4, no. c. Philip, 1965a, Fig. 2, no. a. Webster, 1973, p. 173. Kolata, 1975, p. 35. Moore and Lane *in* Moore and Teichert, 1978, p. T627, Figs. 394, no. 4; 409, no. 3b. Kelly, 1982, p. 289, Fig. 9, nos. 6, 12. Brower and Veinus, 1982, p. 129. Webster, 1986, p. 203. Webster, 1988, p. 111. Ausich, 1998b, p. 34. Ausich, Gil Cid, and Alonso, 2002, p. 985. Fone, et al., 2002, p. 106. Rozhnov, 2002, p. S542, Figs. 15, 28. (diagramatic). Brower, 2010, p. 635.

Named, currently recognized species based on cups or crowns: 8 Ordovician species, 2 Darriwilian, 1 Sandbian, 1 Sandbian – Katian, 4 Katian Ordovician, Sandbian – Katian (middle Champlainian - early Cincinnati). United States  
Middle Ordovician, Darriwilian. United Kingdom

*Merocrinus britonensis* Kolata, 1975, p. 36, Pl. 5, fig. 6; Fig. 10. Webster, 1986, p. 203. Brower, 2007, p. 108, Figs. 3, no. 3; 6, no. 4.  
Ordovician, Sandbian – Katian (Champlainian), Mifflin Formation, upper part of Briton Member. United States, Illinois

*Merocrinus corroboratus* Walcott, 1883, p. 4 (adv. pub.). Walcott, 1884, p. 210, Pl. 17, fig. 6. Miller, S. A., 1889, p. 262. Bassler, 1915, p. 800. Bassler and Moodey, 1943, p. 562. Moore and Laudon, 1944, p. 155, Pl. 53, fig. 17. Webster, 1973, p. 174.  
Ordovician, Katian (late Champlainian), Trenton Limestone. United States, New York

*Merocrinus curtus* (Ulrich, 1879). Faber, 1886, p. 19, Pl. 1, fig. 2. Miller, S. A., 1889, p. 262, Fig. 367. Bassler, 1915, p. 800. Bassler and Moodey, 1943, p. 562. Brett, Deline and McLaughlin, 2008, p. 31, Fig. 2.9, nos. 1-2. Brower, 2010, p. 635, Figs. 6.1-6.4, 7. Meyer and Davis, 2009, p. 178, Figs. 12.5, no. E; 12.10, no. A.  
*Dendrocrinus? curtus* Ulrich, E. O., 1879, p. 18, Pl. 7, fig. 14. Bassler, 1915, p. 800. Bassler and Moodey, 1943, p. 562.  
*Dendrocrinus curtus* Ulrich, 1879. Miller, S. A., 1889, p. 238.  
Ordovician, Katian (early Cincinnati), Fulton Shale. United States, Ohio, Kentucky

*Merocrinus impressus* Brower and Veinus, 1982, p. 129, Pl. 9, figs. 2, 6; Fig. 41. Webster, 1988, p. 111.  
Ordovician, Sandbian (middle Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

*Merocrinus millanae* Ausich, Gil Cid, and Alonso, 2002, p. 987, Figs. 7.3-7.5, 8.4.

Ordovician, Darriwilian (Llandeillian), Pizarras Guindo Formation. Spain

*Merocrinus retractilis* (Walcott, 1883). Brower, 2010, p. 640, Fig. 6.5.

*Dendrocrinus retractilis* Walcott, 1883 (adv. pub.). Walcott, 1884, p. 211, Pl. 17, fig. 4. Miller, S. A., 1889, p. 239. Bassler, 1915, p. 397. Bassler and Moodey, 1943, p. 415. Brower, 2010, p. 640.

Ordovician, Katian, Rust Limestone, Spillway Member. United States, New York.  
Ordovician, Katian (Trentonian), Trenton Limestone. United States, New York

*Merocrinus salopae* Bather, 1896b, p. 71, Fig. A. Bassler and Moodey, 1943, p. 562.  
Fone, et al., 2002, p. 108, Fig. 2.

*Glyptocrinus basalis* Morton, 1861, p. 35. Forbes, 1872, p. 216, Fig. 32. Bassler and Moodey, 1943, p. 562.

Ordovician, Darriwilian (Llanvirian), Meadowtown Formation. United Kingdom

\**Merocrinus typus* Walcott, 1883, p. 2 (adv. pub.). Walcott, 1884, p. 208, Pl. 17, fig. 5.  
Miller, S. A., 1889, p. 262. Bassler, 1915, p. 801. Bassler, 1938, p. 132. Bassler and Moodey, 1943, p. 562. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 3.

Moore

and Laudon, 1944, p. 155, Pl. 53, fig. 16. Webster, 1973, p. 173. Moore and Lane

in Moore and Teichert, 1978, p. T627, Fig. 409, no. 3a. Webster, 1986, p. 203.  
Ordovician, Katian (late Champlainian), Trenton Limestone. United States, New York

*Merocrinus* sp. Ubaghs in Moore and Teichert, 1978, p. T116, Fig. 89, no. 2. Webster, 1986, p. 203.

Middle - Late Ordovician. United States; United Kingdom

**MESPILLOCRINUS** Yakovlev, 1956 = **MESPILOCRINUS**

**MESPILOCRINUS** de Koninck and Le Hon, 1854. \**M. forbesianus* de Koninck and Le Hon, 1853.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae

De Koninck and Le Hon, 1853 (adv. pub.). De Koninck and Le Hon, 1854, p. 111. Pictet, 1857, p. 320. Dujardin and Hupé, 1862, p. 134. Shumard, 1868, p. 381. Zittel, 1880, p. 343, 355. Wachsmuth and Springer, 1879, p. 41 (264). Miller, S. A., 1889, p. 262. Zittel, 1895, p. 138. Bather in Lankester, 1900, p. 188. Wachsmuth in Zittel, 1900, p. 164. Springer, 1902, p. 94. Springer, 1906, p. 517. Springer in Zittel, 1913, p. 203. Springer, 1920a, p. 190. Wanner, 1924, p. 88. Bassler, 1938, p. 132. Bassler and Moodey, 1943, p. 562. Moore and Laudon, 1943b, p. 76, Fig. 11. Moore and Laudon, 1944, p. 181, Pl. 66, fig. 7. Ubaghs, 1953, p. 756, Figs. 32, 97. Yakovlev, 1958, p. 72, Fig. 35, no. 5. Yakovlev, 1964a, p. 79, Fig. 37, no. 5. Arendt and Hecker, 1964, p. 94. Moore and Jeffords,

1968, p. 11, Fig. 1, no. 3. Webster, 1973, p. 174. Moore in Moore and Teichert, 1978, p. T781, Figs. 506, no. 2b; 507, no. 1e; 509, no. 2c. Smith, A. B., 1985, p.



174. Webster, 1986, p. 203. Webster, 1988, p. 111. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 78. Hauser, 2003, p. 37, Fig. 57. Donovan and Lewis, 2003, p. 3. Kammer and Ausich, 2007b, p. 1043.

*MESPILLOCRINUS* Yakovlev, 1956a, p. 86, Fig. 35, no. 5. Webster, 1973, p. 174. Named, currently recognized species based on cups or crowns: 13 species. 1

Devonian, Frasnian; 12 Mississippian species, 4 Tournaisian, 3 Tournaisian – Viséan, 6 Viséan

Mississippian, Tournaisian - Viséan. Europe

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America

*Mespilocrinus arenosus* de Koninck and Le Hon, 1854 = *M. granifer*

*Mespilocrinus blairi* (Miller and Gurley, 1895). Springer, 1920a, p. 196, Pl. 5, figs. 16-19. Peck and Keyte, 1938, p. 102, Pl. 27, figs. 6-9. Bassler and Moodey, 1943, p. 562. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 13. Moore and Laudon, 1944, p. 181, Pl. 68, fig. 12. Branson, E. B., 1944, p. 211, Pl. 38, figs. 6-9. Webster, 1973, p. 174. Kammer and Ausich, 2007b, p. 1045.

*Cyathocrinus blairi* Miller and Gurley, 1895b, p. 67, Pl. 4, figs. 11-12 only. Miller and Gurley, 1896a, p. 50, Pl. 3, figs. 21-22. Miller and Gurley, 1896b, p. 39. Miller, S. A., 1897, p. 741, Fig. 1328. Weller, S., 1898c, p. 198. Bassler and Moodey, 1943, p. 562.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Mespilocrinus bordeni* Springer, 1920 = *Gaulocrinus bordeni*

*Mespilocrinus chapmani* Springer, 1920a, p. 199, Pl. 5, figs. 24a-24b. Bassler and Moodey, 1943, p. 562. Kammer and Ausich, 2007b, p. 1045.

Mississippian, Tournaisian – Viséan (late Kinderhookian – middle Osagean), upper part of Burlington Limestone. United States, Iowa

*Mespilocrinus depressus* Wright, J., 1936, p. 409, Pl. 10, figs. 2, 6; Figs. 36-37. Wright, J., 1939, p. 62, Pl. 5, figs. 13, 15; Figs. 61-62. Wright, J., 1954a, p. 180, Pl. 47, figs. 8, 10, 13, 17-18, 25; Figs. 100-101, 104. Webster, 1973, p. 174. Kammer and Ausich, 2007b, p. 1043.

Mississippian, Tournaisian, Brigantian, Seafield Tower Limestone. United Kingdom, Scotland

\**Mespilocrinus forbesianus* de Koninck and Le Hon, 1853 (adv. pub.). de Koninck and Le Hon, 1854, p. 112, Pl. 2, figs. 1a-1e. Pictet, 1857, p. 320, Pl. 100, fig. 19. Dujardin and Hupé, 1862, p. 134. Quenstedt, 1876, p. 516, Pl. 108, fig. 28. Roemer, C. F., 1876, Pl. 40, figs. 7a-7b. Frech, 1902, Pl. 40, figs. 7a-7b. Springer, 1920a, p. 193, Pl. 5, figs. 1-3. Bassler, 1938, p. 132. Bassler and Moodey, 1943, p. 563. Ubaghs, 1943, p. 2, Figs. 1-11. Ubaghs, 1953, p. 756, Fig. 32. Wright, J., 1954a, p. 177, Pl. 47, fig. 11. Yakovlev, 1964b, p. 58, Fig. 65. Webster, 1973, p. 174. Moore *in* Moore and Teichert, 1978, p. T781, figs. 521, no. 3; 522, nos. 2c-2f. Smith, A. B., 1985, p. 174, Pl. 7.4.45. Webster, 1986, p.

203. Webster, 1988, p. 111. Donovan, 1992c, p. 41, Fig. 6, no. C. Donovan and Lewis, 2003, p. 3, Pl. 4, fig. 4. Kammer and Ausich, 2007b, p. 1043.  
Mississippian, Tournaisian, Lower Limestone Group. United Kingdom, Scotland; Belgium

*Mespilocrinus frasniense* Hauser, 2003, p. 37, Pl. 1, figs. 1-8 (non 1-11 as given p. 37).  
Devonian, Frasnian, Neuville Formation, *rhenana* Conodont Biozone. Belgium

*Mespilocrinus* aff. *frasniense* Hauser, 2003, p. 50, Pl. 1, fig. 9.  
Devonian, Frasnian, Neuville Formation, *rhenana* Conodont Biozone. Belgium

*Mespilocrinus* cf. *frasniense* Hauser, 2003, p. 53, Pls. 4, fig. 7; 6, figs. 7-8.  
Devonian, latest Frasnian, Budesheimer Formation. Belgium

*Mespilocrinus granifer* de Koninck and Le Hon, 1854, p. 114, Pl. 2, figs. 6a-6c (as *M. arenosus* in error). Pictet, 1857, p. 320, Pl. 100, fig. 20. Dujardin and Hupé, 1862, p. 134. Bassler and Moodey, 1943, p. 563. Kammer and Ausich, 2007b, p. 1043, *nomen dubium*.  
Mississippian, Tournaisian - Viséan. Belgium

*Mespilocrinus kentuckyensis* Ausich and Meyer, 1992, p. 830, Figs. 1.12, 1.14-1.17.  
Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

*Mespilocrinus konincki* Hall, 1859a, p. 69, Unnum. Fig. Shumard, 1868, p. 381. Hall, 1872c, Pl. 6, fig. 9. Miller, S. A., 1889, p. 262. Weller, S., 1898c, p. 349. Springer, 1920a, p. 194, Pl. 5, figs. 4-15. Peck and Keyte, 1938, p. 101, Pl. 31, figs. 14, 15. Bassler and Moodey, 1943, p. 563. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 10. Moore and Laudon, 1944, p. 181, Pl. 68, fig. 18. Ubaghs, 1953, p. 756, Fig. 978. Moore *et al.*, 1968a, p. 20, Pl. 3, fig. 1. Webster, 1973, p. 174. Ubaghs *in* Moore and Teichert, 1978, p. T64, Fig. 44, no. 4. Moore *in* Moore and Teichert, 1978, p. T782, Fig. 522, nos. 2a-2b. Webster, 1986, p. 203. Kammer and Ausich, 2007b, p. 1045.

*Mespilocrinus scitulus* Hall, 1861a, p. 321. Hall, 1861b, p. 9. Hall, 1861c, p. 321. Shumard, 1868, p. 381. Hall, 1872c, Pl. 6, figs. 7-8. Miller, S. A., 1889, p. 262. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 349. Bassler and Moodey, 1943, p. 563.

*Cyathocrinus blairi* Miller and Gurley, 1895, p. 67, Pl. 4, figs. 13-15 only. Bassler and Moodey, 1943, p. 563.

Mississippian, Tournaisian – Viséan (late Kinderhookian – middle Osagean), Chouteau Limestone; lower part of Burlington Limestone; Lower Limestone Group. United States, Iowa, Missouri; United Kingdom, Scotland  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Mespilocrinus* cf. *konincki* Hall, 1859, Wright, 1936 = *Mespilocrinus pringlei*

*Mespilocrinus myllos* Ausich, Goldstein, and Yates, 2000, p. 1080, Fig. 2, nos. 1-2.

- Kammer and Ausich, 2007b, p. 1045.  
Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation.  
United States, Kentucky
- Mespilocrinus pringlei* Wright, J., 1954a, p. 178, Pl. 47, figs. 7, 9, 14-16, 19-24; Figs. 97-99, 102-103, 105. Webster, 1973, p. 174. Kammer and Ausich, 2007b, p. 1043.
- Mespilocrinus* cf. *konincki* Hall, 1850. Wright, J., 1936, p. 407, Pl. 10, fig. 7; Figs. 33-35, 38-39. Wright, J., 1939, p. 60, Pl. 5, figs. 12, 14, 16-17; Figs. 78-80, 83-84. Bassler and Moodey, 1943, p. 563. Wright, J., 1954a, p. 178. Webster, 1973, p. 174.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Mespilocrinus romingeri* Springer, 1920. Ausich and Meyer, 1992, p. 830, Figs. 1.10-1.11, 1.13. Kammer and Ausich, 2007b, p. 1045.  
? *Mespilocrinus romingeri* Springer, 1920a, p. 196, Pl. 5, figs. 21a-21d, 22. Bassler and Moodey, 1943, p. 563. Kammer, 1984, p. 128, Fig. 5. Webster, 1988, p. 111. Ausich and Meyer, 1992, p. 830.  
Mississippian, Viséan (late Osagean), New Providence Shale, Fort Payne Formation. United States, Kentucky
- ? *Mespilocrinus romingeri* Springer, 1920 = *Mespilocrinus romingeri*
- Mespilocrinus scitulus* Hall, 1861 = *Mespilocrinus konincki*
- Mespilocrinus thiemei* Springer, 1920a, p. 198, Pl. 5, figs. 20a-20b. Bassler and Moodey, 1943, p. 563. Kammer and Ausich, 2007b, p. 1045.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Mespilocrinus wrighti* Kammer and Ausich, 2007b, p. 1043, Fig. 1, nos. A-D.  
Mississippian, Tournaisian, Ivorian, Blucks Pool Limestone. United Kingdom
- Mespilocrinus* new species Ausich and Kammer, 2006, p. 105.  
Mississippian, Tournaisian, Ivorian: Wales
- Mespilocrinus* sp. 1 Wright, J., 1920a, p. 383, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland
- Mespilocrinus* sp. 2 Wright, J., 1920a, p. 383, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland
- Mespilocrinus* sp. Weller, 1909, p. 288, Pl. 11, fig. 26.  
Mississippian, Tournaisian (Kinderhookian), Fern Glen Formation. United States, Missouri
- METABOLOCRINUS** Jaekel, 1902. \**M. rossicus* Jaekel, 1902.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Sp. Merocrinoidea, F.

## Metabolocrinidae

Jaekel, 1902, p. 1100. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 563. Lane *in* Moore and Teichert, 1978, p. T629. Cowen, 1981, p. 339. Webster, 1986, p. 204. Webster, 1988, p. 111. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species  
Ordovician, Sandbian. Estonia

\**Metabolocrinus rossicus* Jaekel, 1902, p. 1102, Fig. 28, no. G. Jaekel, 1918, p. 84, Fig. 78. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 563. Lane *in* Moore and Teichert, 1978, p. T629, Fig. 410, no. 3. Webster, 1986, p. 204.  
Ordovician, Sandbian, Wassalem Beds. Estonia

**METACALCEOLISPONGIA** Webster and Jell, 1999. \**Cymbiocrinus cherrabunensis* Webster and Jell, 1992.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Calceolispongiidae  
Webster and Jell, 1992, p. 328.

Named, currently recognized species based on cups or crowns: 1 Permian, Wuchiapingian species  
Permian, Wuchiapingian. Australia, Western Australia

\**Metacalceolispongia cherrabunensis* Webster and Jell, 1992. Webster and Jell, 1999b, p. 328.  
*Cymbiocrinus cherrabunensis* Webster and Jell, 1992, p. 351, Fig. 20. Webster and Jell, 1999b, p. 328.  
Permian, Wuchiapingian, Hardman Formation, Cherrabun Member. Australia, Western Australia, Canning Basin

**METACATILLOCRINUS** Moore and Strimple, 1942. \**M. bulbosus* Moore and Strimple, 1942.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catilloocrinidae

Moore and Strimple, 1942, p. 79. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16, Fig. 12, no. 6. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 174. Willink, 1978, p. 86a, Fig. 4. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 85, no. 6. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 334, no. 6. Webster, 1986, p. 204.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species  
Pennsylvanian, Desmoinesian. United States, Oklahoma

\**Metacatillocrinus bulbosus* Moore and Strimple, 1942, p. 80, Figs. 1-6. Strimple, 1962e, p. 11. Webster, 1973, p. 174. Moore and Strimple *in* Moore and Teichert, 1978, p. T545, Fig. 337, no. 6. Webster, 1986, p. 204.  
Pennsylvanian, Desmoinesian, Marmaton Group. United States, Oklahoma

**METACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus pumpkensis* Strimple, 1949.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 35. Webster, 1977, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T486. Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 204. Webster, 1988, p. 111.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States, Oklahoma

\**Metacrocricinus pumpkensis* (Strimple, 1949). Moore and Strimple, 1969a, p. 35, Figs. 1, no. 8; 21, no. 2. Webster, 1977, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T486, Figs. 282, no. 8; 289, no. 3. Webster, 1986, p. 204.

*Acrocrinus pumpkensis* Strimple, 1949e, p. 900, Pl. 1, figs. 1-3; Fig. 1. Moore and Strimple, 1969a, p. 35. Webster, 1973, p. 34. Webster, 1977, p. 111.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

**METACROMYOCRINUS** Strimple, 1961. \**M. holdenvillensis* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Strimple, 1961g, p. 68. Strimple, 1966a, p. 6. Strimple and Watkins, 1969, p. 161.

Strimple and Moore, 1971a, p. 24. Moore and Strimple, 1973, p. 55. Webster, 1973, p. 175. Webster, 1977, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 457. Webster, 1981, p. 1193, Fig. 1. Webster, 1986, p. 204. Webster, 1988, p. 111.

Named, currently recognized species based on cups or crowns: 7 Pennsylvanian species, 3 Atokan, 3 Desmoinesian, 1 Missourian

Pennsylvanian, Atokan - Desmoinesian. United States

*Metacromyocrinus cedroensis* Webster and Kues, 2006, p. 13, Figs. 5.1-5.4.

Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Limestone. United States,

New Mexico

*Metacromyocrinus decoratus* Knapp, 1969, p. 383, Pl. 62, figs. 20-21. Webster, 1977, p. 111.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Metacromyocrinus fundundus* (Strimple, 1966). Strimple, 1975e, p. 14. Webster, 1986, p. 204.

*Synarmocricinus fundundus* Strimple, 1966a, p. 8, Pl. 2, figs. 1-4. Webster, 1973, p. 248. Strimple, 1975e, p. 14. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 449, nos. 1d-1e. Webster, 1986, p. 204.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Metacromyocrinus gillumi* Strimple, 1966 = *Mathericrinus gillumi*

- \**Metacromyocrinus holdenvillensis* Strimple, 1961g, p. 69, Pl. 6, figs. 1-3; Figs. 16-18. Branson, C. C., 1962, p. 163, Fig. 4. Webster, 1973, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 459, nos. 3a-3b. Webster, 1986, p. 205.  
Pennsylvanian, Desmoinesian, Holdenville Formation. United States, Oklahoma
- Metacromyocrinus* aff. *M. holdenvillensis* Strimple, 1961. Eggert *et al.*, 1983, p. 137, Pl. 1, figs. 1-2. Webster, 1988, p. 111.  
Pennsylvanian, Desmoinesian, Carbondale Group, ?Petersburg Formation. United States, Indiana
- Metacromyocrinus* cf. *M. holdenvillensis* Strimple, 1961. Webster, 1981, p. 1193, Pl. 2, figs. 16-19. Webster, 1988, p. 111.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona
- Metacromyocrinus minutus* Strimple, 1962e, p. 39, Pl. 4, figs. 12-15. Webster, 1973, p. 175.  
Pennsylvanian, Desmoinesian, Oologah Formation. United States, Oklahoma
- Metacromyocrinus oklahomensis* Strimple, and Knapp, 1966 = *Paracromyocrinus oklahomensis* = *Aglaocrinus oklahomensis*
- Metacromyocrinus papulosus* (Moore and Plummer, 1938) = *Synarmocrinus papulosus*
- Metacromyocrinus percultus* (Knapp, 1969). Webster and Kues, 2006, p. 13, Figs. 7.34-7.38.  
*Ulocrinus percultus* Knapp, 1969, p. 384, Pl. 62, figs. 22-23. Webster, 1977, p. 174. Webster, 1981, p. 1198. Webster, 1988, p. 110. Webster and Kues, 2006, p. 13.  
*Mathericrinus percultus* (Knapp, 1969). Webster, 1981, p. 1193. Webster, 1988, p. 110.  
Pennsylvanian, Atokan, Burgner Formation; Sandia Formation. United States, Missouri, New Mexico
- Metacromyocrinus szaboi* Webster and Kues, 2006, p. 13, Figs. 7.30-7.33.  
*Cibolocrinus timidus* Moore and Plummer, 1940, Szabo, 1953 (sic, misspelling of *tumidus*). Webster and Kues, 2006, p. 13.  
Pennsylvanian, Missourian?, Madera Group. United States, New Mexico
- Metacromyocrinus?* n. sp. undesignated Webster and Kues, 2006, p. 13, Figs. 5.25-5.26.  
Pennsylvanian, Atokan, Sandia Formation. United States, New Mexico
- Metacromyocrinus* spp.  
Strimple, 1980b, p. 8, Pl. 2, figs. 5-7. Webster, 1986, p. 205.  
Pennsylvanian, Atokan, La Pasada Formation. United States, New Mexico  
Webster, 1981, p. 1194, Pl. 2, figs. 13-15. Webster, 1988, p. 111.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

?*Cromyocrinus* sp. Lane *et al.*, 1996, p. 125, Figs. 5.11-5.12, 6.2 (not Fig. 5.10 as given p. 125).

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region

Webster *et al.*, 2009a, p. 49, Figs. 2, nos. L-N; 3, nos. C-D.

?*Cromyocrinus* sp. Lane *et al.*, 1996. Webster *et al.*, 2009a, p. 49.  
Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang

*Metacromyocrinus?* sp. Kues and Koubek, 1991, p. 60, Fig. 2, nos. E-F.

Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Limestone. New Mexico

*Metacromyocrinus?* sp. Webster *et al.*, 2004, p. 53, Pl. 15, figs. 1-4.

Pennsylvanian, early Moscovian, Oued Bel Groun Formation. Algeria

**METAEUTELECRINUS** Frest and Strimple, 1980. \**Eutelecrinus fritillus* Wanner, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F.  
Eutelecrinidae

Frest and Strimple, 1980, p. 262. Webster, 1986, p. 205.

Named, currently recognized species based on cups or crowns: 1 Permian species  
series undesignated

Permian, series uncertain. West Timor

\**Metaeutelecrinus fritillus* (Wanner, 1937). Frest and Strimple, 1980, p. 262, Fig. 4,  
nos. f-h. Webster, 1986, p. 205.

*Eutelecrinus fritillus* Wanner, 1937, p. 72, Pl. 6, figs. 20-29. Marez Oyens, 1940a, p.  
299, Pl. 2, fig. 4. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p.  
193. Frest and Strimple, 1980, p. 262. Webster, 1986, p. 205.

Permian, series uncertain. West Timor, Basleo, Noko

**METAFFINOCRINUS** Knapp, 1969. \**Plaxocrinus perundatus* Moore and Plummer,  
1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Pirasocrinidae

Knapp, 1969, p. 373, Fig. 2. Strimple and Moore, 1973b, p. 10. Webster, 1977, p.  
111. Moore and Strimple *in* Moore and Teichert, 1978, p. T728. Webster, 1986,  
p. 205.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian  
species, 1 Atokan, 1 Atokan – Desmoinesian, 1 Missourian or Virgilian

Pennsylvanian, Atokan - Desmoinesian. United States

*Metaffinocrinus dornickensis* (Strimple, 1949). Knapp, 1969, p. 373. Webster, 1977,  
p. 111.

*Plaxocrinus dornickensis* Strimple, 1949d, p. 15, Pl. 2, figs. 7-8, 10; Fig. 2. Knapp,  
1969, p. 373. Webster, 1973, p. 216. Webster, 1977, p. 111.

Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma

*Metaffinocrinus noblei* Webster and Kues, 2006, p. 20, figs. 6.37-6.39.

Pennsylvanian, Missourian or Virgilian, Madera Group. United States, New Mexico

\**Metaffinocrinus perundatus* (Moore and Plummer, 1940). Knapp, 1969, p. 373, Fig. 32. Webster, 1977, p. 111. Moore and Strimple *in* Moore and Teichert, 1978, p. T729, Fig. 481, no. 1. Webster, 1986, p. 205. Webster and Houck, 1998, p. 1065, Figs. 5.1-5.3.

*Plaxocrinus perundatus* Moore and Plummer, 1940, p. 191, Pls. 8, fig. 5; 15, fig. 5; Fig. 37. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 9. Knapp, 1969, p. 373. Strimple and Watkins, 1969, p. 209. Webster, 1973, p. 217. Webster, 1977, p. 112. Finsley, 1989, p. 95, Fig. 318.

*Metaffinocrinus tumulosus* (Strimple, 1949). Knapp, 1969, p. 373. Strimple and Moore, 1973b, p. 10, Fig. 8, nos. 1-2. Webster, 1977, p. 112.

*Plaxocrinus tumulosus* Strimple, 1949d, p. 16, Pl. 1, figs. 12, 14, 16, 18 (*non* fig. 19 as given p. 16). Knapp, 1969, p. 373. Webster, 1973, p. 217. Webster, 1977, p. 112. Webster and Houck, 1998, p. 1065.

Pennsylvanian, Atokan - Desmoinesian, Pumpkin Creek Limestone; Millsap Lake Formation, Brannon Bridge Limestone Member; Minturn Formation. United States, Oklahoma, Texas, Colorado

*Metaffinocrinus tumulosus* Strimple and Moore, 1973 = *M. perundatus*

**METAINDOCRINUS** Strimple, 1966. \**M. cooperi* Strimple, 1966.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Parindocrinidae

Strimple, 1966b, p. 81. Webster, 1973, p. 175. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T662. Arendt, 1981, p. 31. Webster, 1986, p. 205. Webster, 1988, p. 111.

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. United States, Texas

\**Metaindocrinus cooperi* Strimple, 1966b, p. 83, Figs. 1-4. Webster, 1973, p. 175.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T662, Fig. 434, no. 2. Arendt, 1981, p. 31, Fig. 7, nos. a-g. Webster, 1986, p. 205. Webster, 1988, p. 112.

Permian, Wordian, upper part of Word Formation. United States, Texas

**METALLAGECRINUS** Strimple, 1966. \**Allagecrinus quinquebrachiatus* (Wanner, 1929).

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Strimple, 1966c, p. 109. Webster, 1973, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T539. Strimple and Sevastopulo, 1982, p. 1451. Webster, 1986, p. 206. Webster, 1988, p. 112.

Named, currently recognized species based on cups or crowns: 12 Permian species,

1 subspecies, 2 Artinskian (+1 subspecies), 1 Wordian, 9 series uncertain Permian, series uncertain. West Timor Permian, Artinskian. Russia



Permian, Wordian. Sicily

*Metallagecrinus acutus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus acutus* Wanner, 1929, p. 4, Pl. 2, figs. 1-6. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus acutus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198.

Permian, series uncertain. West Timor, Basleo

*Metallagecrinus dux* (Wanner, 1930). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus dux* Wanner, 1930, p. 23, Pl. 2, figs. 10-15. Branson, C. C., 1948, p. 178. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

Permian, series uncertain. West Timor

*Metallagecrinus excavatus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus excavatus* Wanner, 1929, p. 4, Pl. 4, figs. 7-9. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus excavatus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 526. Branson, C. C., 1948, p. 198.

Permian, series uncertain. West Timor, Basleo

*Metallagecrinus indoaustralicus* (Wanner, 1916). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus indoaustralicus* Wanner, 1924, p. 308, Pl. 20, figs. 33-35; Fig. 61. Wanner, 1929, p. 15, Pls. 1, fig. 13; 3, figs. 1-5. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus indoaustralicus* (Wanner, 1924). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198.

Permian, series uncertain. West Timor, Basleo

*Metallagecrinus inflatus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus inflatus* Wanner, 1929, p. 4, Pl. 1, figs. 10-12. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus inflatus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198.

Permian, series uncertain. West Timor, Basleo

*Metallagecrinus multibrachiatus* (Yakovlev, 1927). Strimple, 1966c, p. 104. Webster, 1973, p. 175.

*Allagecrinus multibrachiatus* Yakovlev, 1927, p. 185, Pl. 6, figs. 8-8b. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 104. Webster, 1973, p. 175.

*Kallimorphocrinus multibrachiatus* (Yakovlev, 1927). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 54, Pl. 9, fig. 4. Arendt and Hecker, 1964, p. 81, Pl. 8, fig. 5. Webster, 1973, p. 159.  
Permian, Artinskian. Russia, Krasnoufimsk

*Metallagecrinus ornatus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus ornatus* Wanner, 1929, p. 4, Pl. 4, figs. 10-12. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus ornatus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 527. Branson, C. C., 1948, p. 198.

*Aidemocrinus ornatus* (Wanner, 1929). Weller, J. M., 1930, p. 9.  
Permian, series uncertain. West Timor, Basleo

*Metallagecrinus palermoensis* Strimple and Sevastopulo, 1982, p. 1451, Fig. 1. Webster, 1988, p. 112.

Permian, Wordian, Sosio Limestone. Sicily

*Metallagecrinus procerus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Allagecrinus procerus* Wanner, 1929, p. 4, Pl. 2, figs. 7-9. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 175.

*Kallimorphocrinus procerus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198.

Permian, series uncertain. West Timor, Basleo

\**Metallagecrinus quinquebrachiatus* (Wanner, 1929). Strimple, 1966c, p. 109, Fig. 2, no. e. Webster, 1973, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 335, no. 8. Webster, 1986, p. 206.

*Allagecrinus quinquebrachiatus* Wanner, 1929, p. 4, Pls. 3, figs. 8-12; 4, figs. 1-6. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 109. Webster, 1973, p. 175.

*Callimorphocrinus quinquebrachiatus* Wanner, 1937, p. 203, Pl. 13, figs. 28-29. Marez Oyens, 1940a, p. 344, Pl. 4, fig. 10. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198.

*Kallimorphocrinus quinquebrachiatus* (Wanner, 1929). Bassler and Moodey, 1943, p. 528. Branson, 1948, p. 198.

Permian, series uncertain. West Timor

*Metallagecrinus quinquelobus* (Wanner, 1929). Strimple, 1966c, p. 105. Webster, 1973, p. 176.

*Allagecrinus quinquelobus* Wanner, 1929, p. 4, Pl. 2, figs. 10-15. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198. Strimple, 1966c, p. 105. Webster, 1973, p. 176.

*Kallimorphocrinus quinquelobus* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 198. Permian, series uncertain. West Timor, Basleo

*Metallagecrinus uralensis* (Yakovlev, 1927). Strimple, 1966c, p. 105. Webster, 1973, p. 176.

*Allagecrinus uralensis* Yakovlev, 1927, p. 184, Pl. 6, figs. 9-9b, 17-17a. Wanner, 1929, p. 23, Pl. 3, figs. 6-7. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 199. Strimple, 1966c, p. 105. Webster, 1973, p. 176.

*Kallimorphocrinus uralensis* (Yakovlev, 1927). Wright, J., 1933, p. 205. Yakovlev, 1939b, p. 59, Pl. 10, fig. 2; fig. 12. Bassler and Moodey, 1943, p. 528. Branson, C. C., 1948, p. 199. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 53, Pl. 9, figs. 1-3; fig. 13. Arendt and Hecker, 1964, p. 81, Pl. 8, fig. 4; Fig. 115. Webster, 1973, p. 160.

Permian, Artinskian. Russia, Krasnoufimsk

*Metallagecrinus uralensis nodocarinatus* (Yakovlev, 1927).

*Allagecrinus uralensis* var. *nodocarinatus* Yakovlev, 1927, p. 185, Pl. 6, fig. 10. Wright, J., 1933, p. 204. Bassler and Moodey, 1943, p. 528. Strimple, 1966c, p. 105. Webster, 1973, p. 176.

*Allagecrinus uralensis nodocarinatus* Yakovlev, 1927. Branson, C. C., 1948, p. 199.

*Kallimorphocrinus uralensis nodocarinatus* (Yakovlev, 1927). Bassler and Moodey, 1943, p. 529. Branson, C. C., 1948, p. 199.

*Metallagecrinus uralensis* var. *nodocarinatus* (Yakovlev, 1927). Strimple, 1966c, p. 105. Webster, 1973, p. 176.

Permian, Artinskian. Russia, Krasnoufimsk

*Metallagecrinus uralensis* var. *nodocarinatus* (Yakovlev, 1927) = *Metallagecrinus uralensis nodocarinatus*

**METAPERIMESTOCRINUS** Strimple, 1961. \**M. spiniferus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Strimple, 1961g, p. 36. Webster, 1973, p. 176. Pabian and Strimple, 1974b, p. 7. Moore and Strimple *in* Moore and Teichert, 1978, p. T729. Webster, 1986, p. 206.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Desmoinesian, 1 Moscovian

Pennsylvanian, Desmoinesian - Missourian. United States

*Metaperimestocrinus aoertuensis* Webster et al., 2009b, p. 248, Fig. 3, nos. A-H.

Pennsylvanian, Moscovian, uppermost part of the Qijiagou Formation or lowermost part of the Aoertu Formation. China, Xinjiang

\**Metaperimestocrinus spiniferus* Strimple, 1961g, p. 37, Pl. 4, figs. 3-7; Pl. 18, fig. 5; Fig. 13, nos. a-b. Branson, C. C., 1962, p. 162, Fig. 3. Webster, 1973, p. 176. Pabian and Strimple, 1974b, p. 9, Fig. 1, no. 2. Moore and Strimple *in* Moore and Teichert, 1978, p. T729, fig. 479, no. 2. Webster, 1986, p. 206. Stinchcomb, 2008, p. 153, 154, Figs. 08-067-080068.

Pennsylvanian, Desmoinesian, Holdenville Formation, Beggs Formation. United States, Oklahoma

*Metaperimestocrinus* sp. cf. *M. spiniferus* Strimple, 1961. Pabian and Strimple, 1974b, p. 9, Fig. 4, nos. 2-4. Webster, 1986, p. 206.

Pennsylvanian, Missourian, Plattsburg Formation, Spring Hill Limestone. United States, Kansas

*Metaperimestocrinus trapezoidealis* Strimple, 1962e, p. 35, Pl. 7, figs. 15-18. Webster, 1973, p. 176.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

**METARRECTOCRINUS** Knapp, 1969 = **ARRECTOCRINUS**

*Metarrectocrinus major* (Weller, 1909) = *Arrectocrinus major*

*Metarrectocrinus texanus* (Weller, 1909) = *Arrectocrinus texanus*

**METASYCOCRINUS** Wanner, 1920. \**Hypocrinus? piriformis* Rothpletz, 1892.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Sycocrinitidae  
Wanner, 1920, p. 21. Wanner, 1924, p. 141. Wanner, 1929, p. 39. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 564. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 200. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 12, Fig. 6. Arendt, 1970a, p. 127. Webster, 1973, p. 176. Webster, 1977, p. 112. Lane and Moore *in* Moore and Teichert, 1978, p. T602. Webster, 1986, p. 206.

Named, currently recognized species based on cups or crowns: 1 Permian species series uncertain

Permian, series uncertain. West Timor

\**Metasycocrinus piriformis* (Rothpletz, 1892). Wanner, 1920, p. 23, Figs. 2, 11. Wanner, 1924, p. 150, Fig. 11. Bassler and Moodey, 1943, p. 564. Branson, C. C., 1948, p. 200. Arendt, 1970a, p. 127, Pl. 4, fig. 1; Fig. 28. Webster, 1977, p. 113. Lane and Moore *in* Moore and Teichert, 1978, p. T602, Figs. 388, no. 1; 389, no. 2. Webster, 1986, p. 206. Kendrick, 2007, p. 346, Fig. 9, no. G (misspelled as *M. pyriformis*).

*Hypocrinus? piriformis* Rothpletz, 1892, p. 75, Pl. 10, fig. 23. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 564. Branson, C. C., 1948, p. 200.

?*Hypocrinus piriformis* Rothpletz, 1892. Bather, 1913a, p. 905, Pl. 90, figs. 7-10; Fig. 160. Bassler and Moodey, 1943, p. 564. Branson, C. C., 1948, p. 200.

*Sycocrinus piriformis* (Rothpletz, 1892). Wanner, 1916, p. 97, Pl. 102 (7), figs. 4-5; Figs. 25-27. Bassler and Moodey, 1943, p. 564. Branson, C. C., 1948, p. 200.

Permian, series uncertain. West Timor, Basleo, south of Kupang

**METHABOCRINUS** Jaekel, 1918. \**M. erraticus* Jaekel, 1918.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Carpocrinidae

Jaekel, 1918, p. 37. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 564. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 740. Ubaghs, 1958a, p. 53, fig. 4. Webster, 1973, p. 176. Ubaghs *in* Moore and Teichert, 1978, p. T465. Webster, 1986, p. 206.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species  
Silurian, Wenlockian. Germany

\**Methabocrinus erraticus* Jaekel, 1918, p. 37, Fig. 28. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 564. Ubaghs, 1958a, p. 53, Figs. 1-3. Webster, 1973, p. 176. Ubaghs *in* Moore and Teichert, 1978, p. T465, Fig. 274, no. 1. Webster, 1986, p. 206.

Silurian, Wenlockian (drift). Germany

**METICHTHYOCRINUS** Springer, 1906. \**Ichthyocrinus burlingtonensis* Hall, 1858.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F. Ichthyocrinidae

Springer, 1906, p. 479. Springer *in* Zittel, 1913, p. 205. Springer, 1920a, p. 261, Fig. 42. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 564. Moore and Laudon, 1943b, p. 76, Fig. 11. Moore and Laudon, 1944, p. 183, Pl. 66, fig. 12. Ubaghs, 1953, p. 756. Brower, 1973, p. 466, Fig. 45. Webster, 1973, p. 176. Moore *in* Moore and Teichert, 1978, p. T793, Figs. 506, no. 11b; 508, no. 2c. Webster, 1986, p. 206. Webster, 1988, p. 112. Lane and Sevastopulo, 1990, p. 334. Ausich and Meyer, 1992, p. 833. Webster, 1993, p. 78.

**METICYTHYOCRINUS** Webster, 1977, p. 113 (sic). *nomen van.*

Named, currently recognized species based on cups or crowns: 3 Mississippian, Viséan species

Mississippian, Viséan (middle - late Osagean). United States

\**Metichthyocrinus burlingtonensis* (Hall, 1858). Springer, 1920a, p. 321, Pl. 39, figs. 1-7. Bassler and Moodey, 1943, p. 564. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 2. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 6. Webster, 1973, p. 176.

*Ichthyocrinus burlingtonensis* Hall, 1858c, p. 557, Fig. 75. Miller, S. A., 1889, p. 256. Whitfield, 1893b, p. 35, Pl. 3, fig. 24. Weller, S., 1898c, p. 312. Bassler and Moodey, 1943, p. 564.

*Ichthyocrinus burlingtonensis* (Hall, 1858). Shumard, 1868, p. 378.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Metichthyocrinus clarkensis* (Miller and Gurley, 1894). Springer, 1920a, p. 321, Pl. 39, figs. 8-18. Bassler and Moodey, 1943, p. 564. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 9. Branson, E. B., 1944, p. 165, Pl. 30, figs. 12, 15. Webster, 1973, p. 176. Moore *in* Moore and Teichert, 1978, p. T794, Fig. 532, no. 1d. Kammer, 1984, p. 129. Webster, 1986, p. 207. Webster, 1988, p. 112. Ausich

and Meyer, 1992, p. 833, Figs. 3.5-3.7.  
*Ichthyocrinus clarkensis* Miller and Gurley, 1894b, p. 43, Pl. 4, fig. 5. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 312. Beede, 1906, p. 1257, Pl. 14, fig. 4. Bassler and Moodey, 1943, p. 564. Ausich and Meyer, 1992, p. 833.  
 Mississippian, Viséan (late Osagean), New Providence Shale, Fort Payne Formation. United States, Indian, Kentucky, Tennessee

*Metichthyocrinus tiaraeformis* (Troost, 1850). Springer, 1920a, p. 321, Pl. 39, figs. 19-21. Bassler and Moodey, 1943, p. 564. Moore *in* Moore and Teichert, 1978, p. T794, Figs. 530, no. 5; 532, nos. 1a-1c. Kammer, 1984, p. 128. Webster, 1986, p. 206. Webster, 1988, p. 112. Ausich and Meyer, 1992, p. 833, Figs. 3.8-3.11. Ausich, 2009a, p. 486, suppl. p. 35.  
*Cyathocrinites tiaraeformis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler and Moodey, 1943, p. 564. Ausich and Meyer, 1992, p. 833.  
*Ichthyocrinus tiaraeformis* Troost, 1850). Hall, 1858c, p. 558, Fig. 74. Weller, S., 1898c, p. 312. Wood, E., 1909, p. 99, Pl. 7, figs. 15-17. Bassler and Moodey, 1943, p. 564. Ausich and Meyer, 1992, p. 833.  
*Ichthyocrinus tiariformis* (Troost, 1850). Miller, S. A., 1889, p. 256. Ausich and Meyer, 1992, p. 833.  
*Ichthyocrinus tiaraeformis* (Troost, 1850). Shumard, 1868, p. 378. Miller, S. A., 1889, p. 237. Bassler, 1938, p. 134.  
 Mississippian, Viséan (late Osagean), New Providence Shale, Fort Payne Formation. United States, Kentucky

*Metichthyocrinus* sp. Weller, 1909, p. 288, Pl. 11, fig. 25.  
 Mississippian, Tournaisian (Kinderhookian), Fern Glen Formation. United States, Missouri

**METICYTHYOCRINUS** Webster, 1973 = **METICHTHYOCRINUS**

**METUTHAROOCRINUS** Moore and Strimple, 1973. \**M. cockei* Moore and Strimple, 1973.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Moore and Strimple, 1973, p. 71. Webster, 1977, p. 113. Moore and Strimple *in* Moore and Teichert, 1978, p. T729. Webster, 1986, p. 206.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian, Morrowan species

Pennsylvanian, Morrowan. United States, Oklahoma

\**Metutharocrinus cockei* Moore and Strimple, 1973, p. 72, Pls. 19, figs. 4a-4d; 20, figs. 5a-5d. Webster, 1977, p. 113. Moore and Strimple *in* Moore and Teichert, 1978, p. T729, Fig. 482, no. 5. Webster, 1986, p. 206.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Limestone Member. United States, Oklahoma

*Metutharocrinus spinifer* Moore and Strimple, 1973, p. 72, Pls. 20, figs. 3, 4a-4c; 21, figs. 1a-1c. Webster, 1977, p. 113.

Pennsylvanian, Morrowan, Wapanucka Formation, Brentwood Limestone Member.  
United States, Oklahoma

*Metutharocrinus undulatus* Moore and Strimple, 1973, p. 72, Pl. 21, figs. 2a-2d, 3a-3c.  
Webster, 1977, p. 113.  
Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

**MIATSHKOVOCRINUS** Arendt, 1981. \**Dicromyocrinus trautscholdi* Yakovlev and Ivanov, 1956.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Galateocrinidae

Arendt, 1981, p. 79. Webster, 1988, p. 112.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Moscovian – Uralian species

Pennsylvanian, Moscovian - Uralian. Russia, Moscow Basin

\**Miatshkovocrinus trautscholdi* (Yakovlev and Ivanov, 1956). Arendt, 1981, p. 81, Pls.  
27, figs. 1-2; 28, fig. 1; Fig. 21, nos. a-b. Webster, 1988, p. 112.

*Dicromyocrinus trautscholdi* Yakovlev and Ivanov, 1956, p. 21, Pl. 4, figs. 5-8.

Webster, 1973, p. 109. Arendt, 1981, p. 81. Webster, 1988, p. 112.

Pennsylvanian, Moscovian - Uralian, Myachkov Horizon. Russia, Moscow Basin

**MICROCARACRINUS** Strimple and Watkins, 1969. \**M. delicatus* Strimple and Watkins, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Staphylocrinidae

Strimple and Watkins, 1969, p. 201. Strimple and Moore, 1971a, p. 17. Pabian  
and Strimple, 1974a, p. 306. Webster, 1977, p. 113. Moore and Strimple *in*  
Moore and Teichert, 1978, p. T747. Strimple, 1980c, p. 76. Webster, 1986, p.  
207.

Named, currently recognized species based on cups or crowns: 7 species. 5  
Pennsylvanian, 1 Atokan – Desmoinesian, 2 Missourian, 1 Virgilian, 1  
Kassimovian; 2 Permian, Wolfcampian

Pennsylvanian, Atokan - Permian, Wolfcampian. United States

Pennsylvanian, Moscovian. Russia

*Microcaracrinus bellirugosus* (Moore, 1939). Strimple and Moore, 1971a, p. 17.  
Webster, 1977, p. 113. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T747, Fig. 494, nos. 1b-1d. Webster, 1986, p. 207.

*Pachylocrinus bellirugosus* Moore, 1939c, p. 215, Pl. 7, figs. 5a-5c; Figs. 6a-6c.

Moore and Laudon, 1943b, p. 58. Bassler and Moodey, 1943, p. 578. Strimple  
and Moore, 1971a, p. 17. Webster, 1973, p. 219. Webster, 1977, p. 113.

*Plummericrinus bellirugosus* (Moore, 1939). Moore and Laudon, 1943b, p. 58.  
Webster, 1973, p. 219.

Pennsylvanian, Virgilian, Wabaunsee Group. United States, Kansas

- Microcaracrinus colubrosus* (Moore, 1939). Strimple and Moore, 1971a, p. 17. Webster, 1977, p. 113. Moore and Strimple *in* Moore and Teichert, 1978, p. T747, Fig. 494, nos. 1e-1i. Webster, 1986, p. 207.
- Pachylocrinus colubrosus* Moore, 1939c, p. 220, Pls. 6, figs. 5a-5c; 7, figs. 6a-6c; Figs. 8, nos. a-d. Moore and Laudon, 1943b, p. 58. Bassler and Moodey, 1943, p. 579. Branson, C. C., 1948, p. 209. Strimple and Moore, 1971a, p. 17. Webster, 1973, p. 219. Webster, 1977, p. 113.
- Plummericrinus colubrosus* (Moore, 1939). Moore and Laudon, 1943b, p. 58. Branson, C. C., 1948, p. 209. Webster, 1973, p. 219.  
Permian, Wolfcampian, Ft. Riley Limestone?. United States, Kansas
- Microcaracrinus conjugulus* Strimple and Moore, 1971a, p. 17, Pls. 4, fig. 2; 10, figs. 3a-3b; 11, fig. 3. Webster, 1977, p. 113. Moore and Strimple *in* Moore and Teichert, 1978, p. T747, Fig. 494, no. 1a. Webster, 1986, p. 207. Ausich *in* Hess et al., 1999 p. 157, Fig. 170.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois
- \**Microcaracrinus delicatus* Strimple and Watkins, 1969, p. 201, Pls. 44, fig. 12; 46, figs. 1, 3-4. Strimple, 1975e, p. 24, Fig. 16, no. 3. Webster, 1977, p. 113. Webster, 1986, p. 207.  
Pennsylvanian, Atokan - Desmoinesian, Atoka Formation, Barnett Hill Member; Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Oklahoma, Texas
- Microcaracrinus pachypinnularis* (Yakovlev and Ivanov, 1956). Strimple and Moore, 1971a, p. 17. Webster, 1977, p. 114.
- Pachylocrinus pachypinnularis* Yakovlev and Ivanov, 1956, p. 25, Pl. 7, fig. 1. Strimple and Moore, 1971a, p. 17. Webster, 1973, p. 188. Webster, 1977, p. 114.  
Pennsylvanian (C<sub>3</sub>ks), Kassimovian Horizon. Russia, Moscow basin
- Microcaracrinus pratti* Strimple, 1980c, p. 77, Fig. 2, nos. a-b.  
Pennsylvanian, Missourian, Avant Formation. United States, Oklahoma
- Microcaracrinus twenhofeli* (Moore, 1939). Strimple and Moore, 1971a, p. 17. Pabian and Strimple, 1974a, p. 306, Pls. 38, fig. 9; 39, figs. 6-8. Webster, 1977, p. 114. Webster, 1986, p. 207.
- Pachylocrinus twenhofeli* Moore, 1939c, p. 217, Pl. 6, figs. 1-4; Figs. 7a-7b. Moore and Laudon, 1943b, p. 58. Bassler and Moodey, 1943, p. 584. Branson, C. C., 1948, p. 209. Strimple and Moore, 1971a, p. 17. Webster, 1973, p. 219. Webster, 1977, p. 114.
- Plummericrinus twenhofeli* (Moore, 1939). Moore and Laudon, 1943b, p. 58. Branson, C. C., 1948, p. 209. Webster, 1973, p. 219.  
Permian, Wolfcampian, Barnestown Formation, Ft. Riley Limestone; Winfield Formation, Grant Shale Member. United States, Kansas



Microcrinoid Conkin and Conkin, 1976, p. 212, Fig. 14, no. 40. Webster, 1988, p. 112.

Early Mississippian: no locality data

Microcrinoid calyx base Unrug and Unrug, 1990, p. 1043, Fig. 3, no. A.

Silurian, Wilhite Formation, Walden Creek Group. United States, Tennessee

**MICROCRINUS** Bolkhovitinova and Markoff, 1926 (non Emmons, 1858), p. 40 (*nomen nudum*). Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 564. Branson, C. C., 1948, p. 200. Moore and Teichert, 1978, p. T928 (unrecognizable).

**MICROCRINUS** Ivanov, 1926. *M. elementaris* Ivanov, 1926 (*nomen nudum*).

Ivanov, 1926, p. 176. Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 564. Carboniferous. Russia

*Microcrinus elementaris* Ivanov, 1926 (*nomen nudum*). Bassler, 1938, p. 134.

Carboniferous. Russia

*Microcrinus* sp. Bolkhovitinova and Markov, 1926, p. 40, Pl. 2, figs. 21a-21b; Fig. 5.

Branson, C. C., 1948, p. 200.  
Permian, *Teguliferina* Beds. Russia

**MICRORADIOLES** Termier and Termier, 1974. *Nomen vetitum*.

Termier, H. and Termier, G., 1974, p. 34, Pl. 7, figs. 1-7. Webster, 1986, p. 208. Devonian, Pragian, Mississippian, Viséan. Morocco

**MICTOCRINUS** Goldring, 1923. *\*M. robustus* Goldring, 1923.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomitoidea, F. Gasterocomidae  
Goldring, 1923, p. 361. Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 565.  
Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 750. Webster, 1973, p.  
176. Lane and Moore *in* Moore and Teichert, 1978, p. T587. Webster, 1986, p.  
208. Hauser, 1997, p. 47, Fig. 15.

Named, currently recognized species based on cups or crowns: 1 Devonian species,  
Emsian, Givetian

Devonian, Emsian. United States

Devonian, Givetian. Germany

*\*Mictocrinus robustus* Goldring, 1923, p. 362, Pl. 60, figs. 4-5; Fig. 58. Bassler, 1938,  
p. 134. Bassler and Moodey, 1943, p. 565. Goldring, 1954, p. 10, Pl. 2, figs. 1-  
2. Webster, 1973, p. 176. Lane and Moore *in* Moore and Teichert, 1978, p.

T587, Fig. 376, no. 5. Webster, 1986, p. 208. Hauser, 1997, p. 47, Pl. 39, fig. 1.  
Devonian, Emsian, Onondaga Limestone. United States, New York  
Devonian, Givetian, Lough Formation. Germany

*Millericrinus punctatus* d'Orbigny, 1840 = *Enallocrinus scriptus*

*Millericrinus scriptus* d'Orbigny, 1840 = *Enallocrinus scriptus*

**MINICRINUS** Prokop, 1970. \**M. inflatus* Prokop, 1970.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Prokop, 1970a, p. 109. Webster, 1977, p. 114. Moore and Lane *in* Moore and Teichert, 1978, p. T532. Webster, 1986, p. 208. Webster, 1993, p. 78. Harvey and Ausich, 1997, p. 301. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 2 Devonian, Eifelian species

Devonian, Eifelian. Czech Republic

\**Minicrinus inflatus* Prokop, 1970a, p. 111, Pls. 14, figs. 1-7; 15, figs. 1-3; Figs. 14, no. 2; 15-16. Webster, 1977, p. 114. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 326, no. 7. Webster, 1986, p. 208. Prokop and Petr, 1990, Pl. 10, figs. 6-7. Webster, 1993, p. 78.

Devonian, Eifelian, Trebotov Limestone. Czech Republic, Bohemia

*Minicrinus oblongus* Prokop, 1970a, p. 114, Pl. 15, figs. 4-9; Figs. 14, no. 3; 17. Webster, 1977, p. 114.

Devonian, Eifelian, Trebotov Limestone. Czech Republic, Bohemia

*Minicrinus* sp. Prokop, 1970a, p. 117, Pl. 14, figs. 8-9. Webster, 1977, p. 114.

Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic, Bohemia

**MINILYACRINUS** Webster and Jell, 1992. \**M. williamburyensis* Webster and Jell, 1992, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Webster and Jell, 1992, p. 341.

Named, currently recognized species based on cups or crowns: 1 Permian, late Sakmarian or early Artinskian species

Permian, late Sakmarian or early Artinskian. Australia, Western Australia

\**Minilyacrinus williamburyensis* Webster and Jell, 1992, p. 341, Fig. 15.

Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin

**MIRACRINUS** Bowsher, 1953. \**Lecanocrinus (Miracrinus) perdewi* Bowsher, 1953.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Lecanocrinidae

Strimple, 1963d, p. 117. Webster, 1973, p. 176. Moore *in* Moore and Teichert, 1978, p. T777, Figs. 507, no. 1c; 509, no. 2b. Webster, 1986, p. 208. Webster, 1988, p. 112.

**LECANOCRINUS (MIRACRINUS)** Bowsher, 1953, p. 3. Strimple, 1963d, p. 117. Webster, 1973, p. 176.

Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian species

Devonian, Lochkovian. United States, Maryland

*Miracrinus magniradialis* (Weller, 1903) = *Lecanocrinus* (*Lecanocrinus*) *magniradialis*

\**Miracrinus perdewi* (Bowsher, 1953). Strimple, 1963d, p. 117. Webster, 1973, p. 177. Moore *in* Moore and Teichert, 1978, p. T777, Figs. 517, no. 3; 518, no. 4. McIntosh, 1981b, p. 963. Webster, 1986, p. 208. Webster, 1988, p. 112.  
*Lecanocrinus* (*Miracrinus*) *perdewi* Bowsher, 1953, p. 5, Pl. 1, figs. 1-11; Fig. 1, nos. a-e. Webster, 1973, p. 177. Frest and Strimple, 1978c, p. 526. Webster, 1986, p. 188.  
 Devonian, Lochkovian (Gedinnian), New Scotland Limestone. United States, Maryland

**MIRMUS** Gregorio, 1930. \**M. ruptus* Gregorio, 1930.

Classification uncertain

Gregorio, 1930, p. 40. Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 565. Jeffords *in* Moore and Teichert, 1978, p. T937 (based on disarticulated skeletal elements).

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. Sicily

\**Mirmus ruptus* Gregorio, 1930, p. 40, Pl. 15, figs. 5-6. Bassler, 1938, p. 134. Bassler and Moodey, 1943, p. 565 (unrecognizable fragment). Jeffords *in* Moore and Teichert, 1978, p. T937 (based on disarticulated skeletal elements).  
 Permian, Wordian. Sicily

**MISSOURICRINUS** S. A. Miller, 1891. \**M. admonitus* S. A. Miller, 1891.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Spaniocrinidae

Miller, S. A., 1891c, p. 31. Miller, S. A., 1892a, p. 680. Bassler, 1938, p. 134. Bassler

and Moodey, 1943, p. 495. Moore and Laudon, 1943b, p. 60. Arendt and Hecker,

1964, p. 93. Webster, 1973, p. 177. Moore and Strimple *in* Moore and Teichert, 1978, p. T656. Webster, 1986, p. 208. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 65.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian (Kinderhookian). United States, Missouri

\**Missouricrinus admonitus* (Miller *in* Miller and Gurley, 1891). Miller, S. A., 1892a, p. 680, Fig. 1239. Weller, S., 1898c, p. 354. Bassler, 1938, p. 134. Moore and Strimple *in* Moore and Teichert, 1978, p. T656, Fig. 429, no. 1. Webster, 1986, p. 208.

*Graphiocrinus admonitus* Miller, S. A., 1891c, p. 31, Pl. 4, figs. 11-12. Bassler and Moodey, 1943, p. 496.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*MITROCRINUS* Miller and Gurley, 1894 = **AMPHORICRINUS**

*Mitrocrinus wetherbyi* Miller and Gurley, 1894 = *Amphoracrinus gilbertsoni*

**MIXOCRINUS** Haude and Thomas, 1992. \**M. porosus* Haude and Thomas, 1992.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinitidae  
Haude and Thomas, 1992, p. 317.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species

Mississippian, Viséan, *Goniatites* Biozone, Cullla1. Germany

\**Mixocrinus porosus* Haude and Thomas, 1992, p. 318, Pl. 2, figs. A-D; Figs. 5-6.

Mississippian, Viséan, *Goniatites* Biozone, Cullla1. Germany

**MOAPACRINUS** Lane and Webster, 1966. \**M. rotundatus* Lane and Webster, 1966.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Lane and Webster, 1966, p. 30. Webster, 1973, p. 177. Webster, 1981, p. 1194,  
Fig.

1. Webster, 1986, p. 209. Webster, 1988, p. 112. Pabian and Strimple, 1993, p.  
12.

**MOAPOCRINUS** Lane and Webster, 1966. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T698.

Named, currently recognized species based on cups or crowns: 5 species. 1

Pennsylvanian, Missourian or ? Virgilian; 4 Permian, 1 Sakmarian, 2  
Wolfcampian, 1 Artinskian or earliest Roadian

Pennsylvanian, Missourian, ?Virgilian, Early Permian, middle Wolfcampian. United  
States

Permian, latest Artinskian or earliest Roadian. Australia, Queensland

*Moapacrinus cuneatus* Webster and Jell, 1999b, p. 308, Fig. 13, no. D.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia,  
Queensland

*Moapacrinus elexensis* Pabian and Strimple, 1993, p. 12, Fig. 5, nos. g-i.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States,  
Nebraska

*Moapacrinus inornatus* Webster and Lane, 1967, p. 18, Pl. 2, figs. 1-2, 5-7, 9-10.

Webster, 1973, p. 177. Webster and Lane, 2007, p. 959, Fig. 2, nos. 7, 9-10.

Permian, middle Wolfcampian, upper part of Bird Spring Formation.

United States, Nevada

*Moapacrinus? omanensis* Webster et al., 2009, p. 38, Pl. 5, figs. 1-4.

Permian, Sakmarian, Saiwan Formation. Oman

\**Moapacrinus rotundatus* Lane and Webster, 1966, p. 31, Pl. 6, figs. 1-10; Fig. 9.

Webster and Lane, 1967, p. 17, Pl. 3, fig. 12. Webster, 1973, p. 177. Moore and

Strimple *in* Moore and Teichert, 1978, p. T698, Fig. 460, no. 2 (typographical error as *Moapocrinus* p. T698 and Fig. 460). Webster, 1986, p. 209. Webster and

Maples, 2008, p. 202, Fig. 10.1, no. 8.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation.  
United States, Nevada

*Moapocrinus* n. sp. 1 Webster et al., 2009, p. 672, Figs. 5, nos. a-b; 7, nos. c, da, e-k.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia,  
Vancouver  
Island

*Moapocrinus* n. sp. 2 Webster et al., 2009, p. 672, Fig. 4, nos. a-d; 7, no. j.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia,  
Vancouver  
Island

**MOAPOCRINUS** Lane and Webster, 1966 = **MOAPACRINUS**

Mold of infrabasal plate of undetermined crinoid Elias, 1957, Pl. 41, fig. 10.  
Mississippian, Chesterian, Goddard Shale, Redoak Hollow Member. United  
States, Oklahoma

**MOLLOCRINUS** Wanner, 1916. \**M. poculum* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mollocrinoidea, F.  
Mollocrinidae

Wanner, 1916, p. 67. Wanner, 1924, p. 177. Bassler, 1938, p. 135. Bassler and  
Moodey, 1943, p. 565. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948,  
p.

200. Arendt and Hecker, 1964, p. 92. Webster, 1973, p. 177. Moore and Lane *in*  
Moore and Teichert, 1978, p. T658. Webster, 1986, p. 209. Webster, 1988, p.  
113. Webster and Maples, 2006, p. 193, Fig. 3, no. A.

Named, currently recognized species based on cups or crowns: 3 Permian species  
series uncertain

Permian, series uncertain. West Timor

*Mollocrinus ornatissimus* Wanner, 1916, p. 70, Pl. 101 (6), fig. 8. Bassler and Moodey,  
1943, p. 565. Branson, C. C., 1948, p. 200.  
Permian, series uncertain. West Timor, Basleo

*Mollocrinus paucituberculatus* Wanner, 1924, p. 188, Pl. 9, figs. 14-15. Bassler and  
Moodey, 1943, p. 565. Branson, C. C., 1948, p. 201.  
Permian, series uncertain. West Timor, Basleo

\**Mollocrinus poculum* Wanner, 1916, p. 68, Pl. 101, figs. 6-7; Figs. 9-11. Wanner,  
1924, p. 186, Pl. 9, figs. 4-7; Figs. 15-18. Yakovlev, 1930c, p. 377, Fig. 7.  
Wanner, 1931, p. 1, Pl. 1, figs. 1-5. Bassler, 1938, p. 135. Marez Oyens, 1940a,  
p. 329, Pl. 3, fig. 14. Bassler and Moodey, 1943, p. 565. Branson, C. C., 1948, p.

201. Wanner, 1954, p. 232, Figs. 2-3. Webster, 1973, p. 177. Moore and Lane *in* Moore and Teichert, 1978, p. T658, Fig. 431, no. 3. Signor and Brett, 1984, p. 238, Fig. 9, nos. A-C. Webster, 1986, p. 209. Webster, 1988, p. 113.  
Permian, series uncertain, Basleo Beds. West Timor

**MONALDICRINUS** Jell and Theron, 1999. \**Monaldicrinus johni* Jell and Theron, 1999.  
Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Jell and Theron, 1999, p. 136.  
Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian  
species  
Devonian, Eifelian. South Africa

\**Monaldicrinus johni* Jell and Theron, 1999, p. 136, Figs. 19-21.  
Devonian, Eifelian, Gydo Formation. South Africa

**MONGOLOCRINUS** Rozhnov, 1992. \**M. bujantugolicus* Rozhnov, 1992.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F.  
Melocrinitidae  
Rozhnov, 1992, p. 87.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian  
species  
Silurian, Ludlovian. Russia, Mongolian Altai

\**Mongolocrinus bujantugolicus* Rozhnov, 1992, p. 87, Pl. 22, figs. 1-3; Figs. 1a-1v.  
Silurian, early Ludlovian, Nizy Khovdinskikh Sloev. Russia, Mongolian Altai

**MONIELLOCRINUS** Pidal, 1984. \**M. alcaldei* Pidal, 1984.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Pidal, 1984, p. 140. Webster, 1988, p. 113.  
Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian  
species  
Devonian, late Emsian. Spain

\**Moniellocrinus alcaldei* Pidal, 1984, p. 140, Figs. 3-4. Webster, 1988, p. 113.  
Devonian, late Emsian, Moniello Formation. Spain

Monobathrid camerate sp. A Ausich and Lane, 1982b, p. 1359, Pl. 2, fig. 25.  
Webster, 1988, p. 113.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

Monobathrid camerate sp. B Ausich and Lane, 1982b, p. 1360, Pl. 2, fig. 27. Webster,  
1988, p. 113.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

Monobathrid camerate sp. C Ausich and Lane, 1982b, p. 1360. Webster, 1988, p.  
113.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

- Monobathrid camerate sp. D Ausich and Lane, 1982b, p. 1360, Pl. 2, fig. 24.  
Webster, 1988, p. 113.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Monobathrid camerate gen. et sp. indet. Donovan and Pickerill, 1995b, p. 82, Figs. 2-4.  
Silurian, Ludlovian, Moydart Formation. Canada, Nova Scotia
- Monobathrid camerates Ausich, 1996, p. 960, Fig. 6, no. 3 (diagramatic).
- Monobathrid? radial indeterminate Webster et al., 2011, p. 26, Fig. 14, no. ee.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Monobathrid sp. indet. (Camerata) Lewis, Donovan, and Sawford, 2003, p. 313, Fig. 4,  
no. d.  
Mississippian, Viséan, Holkerian, Clifton Down Limestone. United Kingdom
- Monobathrida indeterminate Ausich and Copper, 2010, p. 37, Pl. 14, fig. 6.  
*Periglyptocrinus* sp. Twenhofel, 1929, p. 139, unfig. Ausich and Copper, 2010, p.  
37.  
Ordovician, Katian, Vauréal Formation, Homard Member. Canada, Quebec,  
Anticosti  
Island

**MONOBRACHIOCRINUS** Wanner, 1916. \**M. ficiformis* Wanner, 1916.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Sycocrinitidae  
Wanner, 1916, p. 103. Wanner, 1924, p. 141. Springer, 1926a, p. 98. Springer,  
1926b, p.5. Wanner, 1929, p. 39. Bassler, 1938, p. 135. Bassler and Moodey,  
1943, p. 565. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 201.  
Cuénot, 1948, p. 64. Yakovlev, 1951, p. 578, Fig. 1, no. II. Arendt and Hecker,  
1964, p. 84. Lane, N. G., 1967b, p. 12, Fig. 6. Arendt, 1970a, p. 129. Webster,  
1973, p. 177. Webster, 1977, p. 114. Lane and Moore *in* Moore and Teichert,  
1978, p. T603. Smith, A. B., 1985, p. 172. Webster, 1986, p. 209. Sevastopulo  
and Lane, 1988, p. 249. Webster, 1988, p. 113. Webster, 1993, p. 78.

Named, currently recognized species based on cups or crowns: 5 Permian species,  
3 subspecies, 2 Artinskian, 1 Wordian, 2 series uncertain (+3 subspecies, series  
uncertain)

Permian, series uncertain. West Timor  
Permian, Artinskian. Russia  
Permian, Wordian?. Sicily

- \**Monobrachiocrinus ficiformis* Wanner, 1916, p. 104, Pl. 102 (7), figs. 6-9; Fig. 28.  
Wanner, 1929, p. 60, Pl. 4, figs. 1-2; Fig. 7. Bassler, 1938, p. 135. Bassler and  
Moodey, 1943, p. 565. Branson, C. C., 1948, p. 201. Arendt and Hecker, 1964,  
p.  
84, Pl. 9, fig. 6; Fig. 124. Arendt, 1970a, p. 137, Pl. 5, figs. 1-2. Webster, 1973,  
p.  
177. Webster, 1977, p. 114. Lane and Moore *in* Moore and Teichert, 1978, p.  
T603, Figs. 388, no. 2; 389, nos. 3c-3e. Smith, A. B., 1985, p. 172, Pl. 7.4.38.

Webster, 1986, p. 209. Webster, 1988, p. 113.  
Permian, series uncertain. West Timor, Basleo

*Monobrachiocrinus ficiformis carinatus* Wanner, 1929, p. 62, Pl. 3, figs. 11-12. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201.  
Permian, series uncertain. West Timor, Basleo

*Monobrachiocrinus ficiformis elongatus* Wanner, 1916, p. 108, Pl. 102 (7), fig. 10.  
Wanner, 1929, p. 61. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201. Arendt, 1970a, p. 138, Pl. 5, fig. 3. Webster, 1977, p. 114.  
Permian, series uncertain. West Timor, Basleo

*Monobrachiocrinus ficiformis granulatus* Wanner, 1920. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201. Ubaghs, 1953, p. 672, Fig. 10, nos. a, g-h. Yakovlev, 1964b, p. 56, Figs. 53, no. a; 54. Webster, 1973, p. 177. Ausich et al. in Hess et al., 2000, p. 22, Fig. 35, no. a.

*Monobrachiocrinus granulatus* Wanner, 1920, p. 23, Figs. 8, 10, 17; 1924, p. 151, Pl. 8, figs. 13-15. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201. Cuénot, 1948, p. 64, Fig. 83, no. 1. Webster, 1973, p. 177. Lane and Moore in Moore and Teichert, 1978, p. T603, Fig. 39, nos. 3a-3b, 3f. Webster, 1986, p. 209.

*Monobrachiocrinus ficiformis* var. *granulatus* Wanner, 1929, p. 62. Bassler and Moodey, 1943, p. 566.  
Permian, series uncertain. West Timor, Basleo

*Monobrachiocrinus ficiformis* var. *granulatus* Wanner, 1929 = *Monobrachiocrinus ficiformis granulatus*

*Monobrachiocrinus granulatus* Wanner, 1920 = *Monobrachiocrinus ficiformis granulatus*

*Monobrachiocrinus kolvensis* Arendt, 1970a, p. 135, Pl. 4, fig. 17; Fig. 32. Webster, 1977, p. 114.  
Permian, late Artinskian, Sarga Horizon. Russia, Priurals

*Monobrachiocrinus oviformis* Yakovlev, 1926c, p. 51, Fig. 1. Yakovlev, 1930a, p. 98, Pl. 1, figs. 2a-2b. Yakovlev, 1939b, p. 60, Pl. 10, fig. 13; Fig. 13. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201. Yakovlev in Yakovlev and Ivanov, 1956, p. 56, Pl. 10, figs. 1-3; Fig. 14. Arendt and Hecker, 1964, p. 84, Pl. 9, figs. 3-5; Fig. 123. Arendt, 1968a, p. 104, Fig. 7. Arendt, 1970a, p. 130, Pl. 4, figs. 2-16; Figs. 30-31. Arendt, 1971a, p. 168, Fig. 3. Webster, 1973, p. 177. Webster, 1977, p. 114. Lane in Moore and Teichert, 1978, p. T428. Arendt, 1981, p. 164, Fig. 30, nos. a-v. Kelly, 1982, p. 287, Fig. 4, nos. 1-3. Webster, 1986, p. 209. Webster, 1988, p. 113.  
Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains, Krasnoufimsk

*Monobrachiocrinus siciliensis* Yakovlev, 1930e, p. 909, Pl. 1, fig. 2. Yakovlev, 1934, p.



- 275, Pl. 19, fig. 15. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201.  
Permian, Wordian. Sicily
- Monobrachiocrinus waitzi* Marez Oyens, 1940a, p. 324, Pl. 3, fig. 10; Fig. 7. Bassler and Moodey, 1943, p. 566. Branson, C. C., 1948, p. 201.  
Permian, series uncertain. West Timor, Basleo, Noko
- Monobrachiocrinus* n. sp. Sevastopulo, 2002, p. 9, Fig. 4, nos. h-i.  
Mississippian, Viséan, Asbian. Ireland, County Sligo
- Monobrachiocrinus* sp. Sevastopulo, 2008, p. 59, Fig. 3.1, no. 1.  
Mississippian, late Viséan, Asbian. Ireland, County Sligo
- Monobrachium type 1 Haude, 2004b, p. 241, Pl. 1, figs. 6, 9.  
Devonian, late Famennian, Etröeungt, Middle *expansa* Biozone. Germany
- Monobrachium type 2 Haude, 2004b, p. 241, Pl. 1, figs. 7-8.  
Devonian, late Famennian, Etröeungt, Middle *expansa* Biozone. Germany
- Monocyclic camerate indet. Jell and Theron, 1999, p. 131, Fig. 15.  
Devonian, Eifeian, formation not given. South Africa
- Monocyclic crinoid Westhead, 1978, p. 67, Fig. 4, no. g. Diagramatic  
Mississippian, Tournaisian, Scotland, clitheroe
- Monocyclic crinoid Donovan, 1999 = *Iocrinus pauli*
- Monocyclic cup Rozhnov, 2002, p. S529, Fig. 2, no. a. (diagramatic)
- Monocyclic stem and cup Rozhnov, 2002, p. S529, Fig. 3, no. a. (diagramatic)
- MONSTROCRINUS** Schmidt, 1942. \**M. securifer* Schmidt, 1942.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Schmidt, W. E., 1942, p. 213. Ubaghs, 1953, p. 737. Webster, 1973, p. 177.  
Ubaghs in Moore and Teichert, 1978, p. T428. Ettensohn, 1984, p. 65, Fig. 1.  
Webster, 1986, p. 209. Webster, 1988, p. 113. Webster, 1993, p. 78.  
Named, currently recognized species based on cups or crowns: 4 Devonian species,  
2 Emsian, 1 Emsian, Eifelian, 1 Eifelian  
Devonian. Emsian, Spain  
Devonian, Emsian - Eifelian Brazil  
Devonian, Eifelian. Germany
- Monstrocrinus aliformis* Le Menn, 1990b, p. 3, Figs. 1, nos. a-b; 2, no. c. Webster,  
1993, p. 78.  
Devonian, Emsian, Pena Negra Formation. Spain, Aragon

*Monstrocrinus granosus* Schmidt, W. E., 1942, p. 217, Fig. 61. Webster, 1973, p. 177.  
Le Menn, 1990b, p. 8, Fig. 3, no. b. Webster, 1993, p. 78.  
Devonian, Emsian (Coblentzian), Mandeln Beds. Germany

*Monstrocrinus incognitus* Scheffler, et al., 2011, p. 1189, Figs. 3, 4.1-4.6.  
Devonian, middle – late Eifelian, Pimenteira Fjormation. Brazil, Parnaiba Basin

\**Monstrocrinus securifer* Schmidt, W. E., 1942, p. 215, Pl. 16, figs. 1-7; Fig. 60.  
Webster, 1973, p. 177. Ubaghs in Moore and Teichert, 1978, p. T428, Fig. 237,  
no. 3. Webster, 1986, p. 209. Le Menn, 1990b, p. 8, Fig. 3, no. d. Webster,  
1993, p. 78. Scheffler et al., 2006, p. 237, Fig. 3.  
Devonian, Emsian, Maecuru Formation. Brazil, Amazon Basin  
Devonian, Eifelian (Coblentzian), *Orthocrinus* Beds. Germany

*Monstrocrinus* spp.

Le Menn, 1990b, p. 5, Fig. 1, nos. c-d. Webster, 1993, p. 78.  
Devonian, late Emsian, Chefar El Ahmar Formation. Algeria  
Le Menn, 1997b, p. 131, Pl. 4, fig. 14.  
Devonian, late Emsian, Chefar el Ahmar Formation. Algeria

**MOOREACROCRINUS** Arendt and Stupachenko, 1983. \**M. gjelicus* Arendt and  
Stupachenko, 1983.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
Acrocrinidae

Stupachenko and Arendt in Stupachenko, 1976, p. 151 *nomen nudum*. Arendt and  
Stupachenko, 1983, p. 71. Arendt and Stupachenko, 1984, p. 73. Webster,  
1986, p. 210. Webster, 1988, p. 113.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Gzhelian species  
Pennsylvanian, Gzhelian. Russia, Moscow District

\**Mooreacrocrinus gjelicus* Stupachenko and Arendt in Stupachenko, 1976, p. 151  
*nomen nudum*. Arendt and Stupachenko, 1983, p. 71, Fig. 1. Arendt and  
Stupachenko, 1984, p. 73, Fig. 1. Webster, 1986, p. 210. Webster, 1988, p. 113.  
Pennsylvanian, Gzhelian, Rusavka Horizon, Shchelkovo Beds. Russia,  
Moscow District

**MOOREOCRINUS** Wright and Strimple, 1945. \**Cromyocrinus geminatus* Trautschold,  
1879.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Wright and Strimple, 1945, p. 221. Strimple, 1966a, p. 5. Strimple and Watkins,  
1969, p. 160. Strimple and Moore, 1971a, p. 24. Webster, 1973, p. 177.

Webster,  
1977, p. 114. Moore and Strimple in Moore and Teichert, 1978, p. T699.  
Webster, 1986, p. 210. Webster, 1988, p. 114. Pabian and Strimple, 1993, p. 12.  
Merriam, 2007, p. 77, Fig. 39. Merriam, 2007, p. 77, Fig. 39.

Named, currently recognized species based on cups or crowns: 5 species. 1  
 Mississippian, Serpukhovian; 4 Pennsylvanian, 1 Morrowan, 2 Atokan, 1  
 Moscovian  
 Mississippian, Serpukhovian. Algeria  
 Pennsylvanian, Morrowan - Atokan. United States  
 Pennsylvanian, Atokan. Brazil  
 Pennsylvanian, Moscovian. Russia

*Mooreocrinus beedei* (Moore and Plummer, 1940) = *Parulocrinus beedei*

*Mooreocrinus bowsheri* Strimple, 1949 = *Cryphiocrinus bowsheri* = *Exochocrinus* cf.  
*tumulosus*

\**Mooreocrinus geminatus* (Trautschold, 1879). Wright and Strimple, 1945, p. 222.  
 Strimple, 1966a, p. 5. Webster, 1973, p. 178. Moore and Strimple *in* Moore  
 and Teichert, 1978, p. T700, Fig. 460, no. 3. Webster, 1986, p. 210.  
*Cromyocrinus geminatus* Trautschold, 1879, p. 22, Pl. 3, figs. 5-6; Unnum Fig.  
 Wright, J., 1934, p. 243, Pl. 13, figs. 1-3; Fig. 1, 2. Wright, J., 1939, p. 30, Pl. 8,  
 figs. 14-15. Yakovlev, 1939a, p. 66, Pl. 12, fig. 7. Bassler and Moodey, 1943, p.  
 377. Wright and Strimple, 1945, p. 222. Webster, 1973, p. 109, 178.  
*Dicromyocrinus geminatus* (Trautschold, 1879). Yakovlev and Ivanov, 1956, p. 19,  
 Pl. 4, figs. 1-3; Fig. 3. Strimple, 1961g, p. 65. Arendt and Hecker, 1964, p. 90,  
 Pl. 12, figs. 11-12; Fig. 131. Webster, 1973, p. 178, 180.  
*Eupachyocrinus geminatus* (Trautschold, 1879). Wachsmuth and Springer, 1880  
 (1879), p. 361. Bassler and Moodey, 1943, p. 471.  
 Pennsylvanian, Moscovian, Calciferous Sandstone Series, Encrinite Bed. Russia;  
 United Kingdom, Scotland

*Mooreocrinus glomerosus* Webster et al., 2004, p. 52, Pl. 13, figs. 17-26.  
 Mississippian, Serpukhovian, E1-E1, Aïn el Mizab Formation, El Harrada and  
 Mouizeb el Atchane Members. Algeria

*Mooreocrinus hemisphericus* (Worthen, 1882) = *Mantikosocrinus hemisphericus*

*Mooreocrinus magdalenensis* Strimple, 1975h, p. 704, Pl. 1, figs. 1-4. Webster, 1986,  
 p. 210.  
 Pennsylvanian, Morrowan, Magdalena Formation, LaTuna Member. United States,  
 Texas

*Mooreocrinus meadowensis* Strimple, 1949 = *Ataxiacrinus meadowensis* =  
*Tarachiocrinus meadowensis*

*Mooreocrinus mendesi* (Lane, 1964). Strimple, 1966a, p. 6. Webster, 1973, p. 178.  
*Dicromyocrinus mendesi* Lane, N. G., 1964a, p. 362, Pl. 57, figs. 1-2, 6-10.  
 Webster, 1973, p. 178.  
 Pennsylvanian, Atokan, Itaituba Series. Brazil

*Mooreocrinus ornatus* (Trautschold, 1867), Wright and Strimple, 1945 = *Dicromyocrinus ornatus*

*Mooreocrinus papillatus* (Worthen, 1882) = *Agassizocrinus papillatus*

*Mooreocrinus wilburni* Strimple and Watkins, 1969, p. 161, Pls. 39, figs. 12-13; 49, figs. 4-6. Webster, 1977, p. 115.  
Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

*Mooreocrinus* spp.

Strimple, 1975e, p. 14, Fig. 6, nos. 10-11. Webster, 1986, p. 210.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

Pabian and Strimple, 1993, p. 12, Fig. 6, no. b.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Nebraska

**MORENACRINUS** Ausich, Gil Cid, and Alonso, 2002. \**Morenocrinus silvani* Ausich, Gil Cid, and Alonso, 2002.

Sbc. Cladida, Sbo Dendrocrinida, Spf. Dendrocrinoidea, F. Cupulocrinidae

Ausich, Gil Cid, and Alonso, 2002, p. 985.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian (late early Llandeillian). Spain

\**Morenocrinus silvani* Ausich, Gil Cid, and Alonso, 2002, p. 985, Figs. 8.6-8.7, 9.

Ausich, Sá, and Gutiérrez-Marco, 2007, p. 1381, Fig. 6.3.

Ordovician, Darriwilian (late early Llandeillian), Pizarras Guindo Formation. Spain

**MOROCCOCRINUS** Webster, Becker, and Maples, 2005. \**Moroccocrinus ebbighauseni* Webster, Becker, and Maples, 2005.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F. Amabilicrinidae

Webster, Becker, and Maples, 2005, p. 1065.

Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species

Devonian, Famennian. Morocco

\**Moroccocrinus ebbighauseni* Webster, Becker, and Maples, 2005, p. 1066, Figs. 9, no.

2; 5, nos. 12, 14; 7, nos. 1-8; 8, nos. 1-6.

Devonian, Famennian, IV-B. Morocco

**MORROWCRINUS** Moore and Plummer, 1938. \**M. fosteri* Moore and Plummer, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Moore and Plummer, 1938, p. 242. Bassler, 1938, p. 135. Bassler and Moodey, 1943, p. 566. Moore and Laudon, 1943b, p. 59. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Moore and Strimple, 1973, p. 45.

Webster, 1973, p. 178. Webster, 1977, p. 115. Moore and Strimple *in* Moore and Teichert, 1978, p. T645. Webster, 1986, p. 210.  
 Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Morrowan species  
 Pennsylvanian, Morrowan. United States

*Morrowcrinus defendus* (Washburn, 1968). Moore and Strimple, 1973, p. 45, Pl. 4, fig. 7. Webster, 1977, p. 115. Moore and Strimple *in* Moore and Teichert, 1978, p. T645, Fig. 421, no. 5b. Webster, 1986, p. 210.

*Hypselocrinus defendus* Washburn, 1968, p. 127, Pl. 3, figs. 7-15. Moore and Strimple, 1973, p. 45. Webster, 1973, p. 154. Webster, 1977, p. 115.  
 Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

\**Morrowcrinus fosteri* Moore and Plummer, 1938, p. 245, Pls. 13, figs. 4a-4d; 16, fig. 11; Fig. 8. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 566. Pabian and Strimple, 1978a, p. 55. Moore and Strimple *in* Moore and Teichert, 1978, p. T645, Fig. 421, no. 5a. Webster, 1986, p. 210.  
 Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Morrowcrinus?* sp. Strimple, 1975h, p. 705, Pl. 1, fig. 9. Webster, 1986, p. 210.  
 Pennsylvanian, Morrowan, Magdalena Formation, LaTuna Member. United States, Texas

**MOSCOVICRINUS** Jaekel, 1918. \**Poteriocrinus multiplex* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Jaekel, 1918, p. 62. Wanner, 1924, p. 178. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 566. Moore and Laudon, 1943b, p. 55. Yakovlev, 1947d, p. 45, Fig. 11. Yakovlev, 1956a, p. 81, Fig. 31. Yakovlev, 1958, p. 66, Fig. 31. Yakovlev, 1964a, p. 76, Fig. 33. Yakovlev, 1964b, p. 58, Fig. 66. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 178. Strimple and Yancy, 1976, p. 1200. Moore and Strimple *in* Moore and Teichert, 1978, p. T651. Smith, A. B., 1985, p. 172. Webster, 1986, p. 210. Webster, 1988, p. 114.

Named, currently recognized species based on cups or crowns: 5 species. 2 Pennsylvanian, 1 Desmoinesian, 1 Moscovian; 3 Permian, 1 Wolfcampian, 1 Early Permian undesignated, 1 Late Permian undesignated  
 Pennsylvanian, Moscovian; Late Permian. Russia  
 Permian, middle Wolfcampian. United States  
 Early Permian. Indonesia

*Moscovicrinus bijugus* (Trautschold, 1867) = *Pegocrinus bijugus*

*Moscovicrinus bipinnatus* Lane and Webster, 1966, p. 29, Pl. 5, figs. 1, 3, 6-8.  
 Webster, 1973, p. 178.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Moscovicrinus hoskingi* Strimple and Yancy, 1976, p. 1200, Pl. 1, figs. 3-4. Webster, 1986, p. 210.

Early Permian. Indonesia, Belitung Island

\**Moscovicrinus multiplex* (Trautschold, 1867). Jaekel, 1918, p. 62. Yakovlev, 1939a, p. 65, Pl. 11, figs. 5-6. Bassler and Moodey, 1943, p. 566. Yakovlev, 1947b, p. 748, Fig. 1. Yakovlev and Ivanov, 1956, p. 10, Pl. 1, figs. 1-2. Arendt and Hecker, 1964, p. 87, Pl. 11, fig. 1. Masutomi, and Hamada, 1966, p. 54, Pl. 27, fig. 5. Markovskiy, 1966, Pl. 4. Webster, 1973, p. 178. Moore and Strimple in Moore and Teichert, 1978, p. T651, Fig. 425, no. 3. Rozhnov, 1983, p. 106, Fig. 1, nos. a-b. Rozhnov, 1984, p. 103, Fig. 1, nos. a-b. Smith, A. B., 1985, p. 172, Pl. 7.4.34. Webster, 1986, p. 210. Webster, 1988, p. 114. Rozhnov, 2002, p. S544, Fig. 17 (diagramatic).

*Poteriocrinus multiplex* Trautschold, 1867, p. 6, Pl. 2, figs. 1-8; Unnum. Fig. Roemer, 1876, Pl. 40, fig. 11. Trautschold, 1879, p. 112, Pls. 14, fig. 2; 15, fig. 1. Zittel, 1880, p. 351, Fig. 247. Trautschold, 1882, p. 148, Pl. 14, figs. 1-4. Lahusen, 1895, p. 149, Fig. 200. Wachsmuth in Zittel, 1900, p. 124, Fig. 221. Frech, 1902, Pl. 40, fig. 11. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 566.

*Poteriocrinus (Moscovicrinus) multiplex* Trautschold, 1867. Schmidt, H., 1929, p. 84, Pl. 20, fig. 17.

*Scaphiocrinus multiplex* (Trautschold, 1867). Wachsmuth in Zittel, 1900, p. 159, Fig. 269.

Pennsylvanian, Moscovian, Myachkovo Horizon. Russia, Moscow Basin, Myachkovo

Pennsylvanian, Moscovian. Russia

*Moscovicrinus? quenstedti* (Golowkinsky, 1869). Yakovlev, 1977, p. 12, Pl. 1, figs. 7a-7l. Webster, 1986, p. 211.

*Poteriocrinus quenstedti* Golowkinsky, 1869, p. 356, Pl. 2, figs. 7-9 (Two different genera, GDW). Zittel, 1880, p. 351, Fig. 247. Waagen, 1885, p. 822. Waagen, 1894, p. 117, Unnum. Fig. Netschajew, 1894, p. 117, Pl. 1, fig. 46. Lahusen, 1895, p. 149, Fig. 200. Wachsmuth in Zittel, 1900, p. 124, Fig. 221. Branson, C. C., 1948, p. 209. Bassler and Moodey, 1943, p. 649.

*Poteriocrinus (Moscovicrinus?) quenstedti* Golowkinsky, 1869. Yakovlev, 1939b, p. 61, Pl. 10, fig. 6. Webster, 1973, p. 223.

*Poteriocrinites quenstedti* (Golowkinsky, 1869). Branson, C. C., 1948, p. 209. Late Permian. Russia, Kazan Mountains

*Moscovicrinus? rotundobasis* Webster and Kues, 2006, p. 10, Figs. 4.1-4.4.

Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Limestone. United States,

New Mexico

**MOSKOVIAACROCRINUS** Arendt, 1995. \**Moskoviacrocrinus grishini* Arendt, 1995. Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Arendt, 1995a, p. 64. Arendt, 1995b, p. 76.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Kassimovian species  
Pennsylvanian, Kassimovian. Russia

\**Moskoviacrocrinus grishini* Arendt, 1995a, p. 65, Pl. 5, figs. 1a-1e; Fig. 1. Arendt, 1995b, p. 77, Pl. 5, figs. 1a-1e; Fig. 1.  
Pennsylvanian, Kassimovian. Russia, Moscow Basin

**MOUNDOCRINUS** Strimple, 1939. \**Moundocrinus osagensis* Strimple, 1939.  
Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae  
Strimple, 1939a, p. 9. Bassler and Moodey, 1943, p. 283. Strimple and Watkins, 1969, p. 185. Strimple and Moore, 1971a, p. 28. Webster, 1977, p. 115.  
Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676. Pabian and Strimple, 1985, p. 53. Webster, 1986, p. 211. Webster, 1988, p. 114. Webster, 1993, p. 79. Pabian and Rushlau, 2002, p. 34.  
Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Atokan, 1 Missourian, 1 Missourian - Virgilian  
Pennsylvanian, Atokan - Virgilian. United States

*Moundocrinus coalensis* Strimple, 1975e, p. 11, Fig. 9, nos. 1-4. Webster, 1986, p. 211.  
Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Moundocrinus luxuris* (Strimple, 1949). Pabian and Strimple, 1980b, p. 16, Pl. 5, figs. 1-3. Webster, 1986, p. 211. Pabian and Rushlau, 2002, p. 34.  
*Aesiocrinus luxuris* Strimple, 1951c, p. 20, Pl. 5, figs. 7-10. Webster, 1973, p. 40.  
Pennsylvanian, Missourian - Virgilian, Wann Formation; Lecompton Formation, Beil Limestone; Topeka Formation, Curzon Limestone Member. United States, Oklahoma, Nebraska

\**Moundocrinus osagensis* Strimple, 1939a, p. 10 (370), Pl. 1, figs. 5-6, 10. Bassler and Moodey, 1943, p. 284. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676, Fig. 446, nos. 3a-3f. Webster, 1986, p. 211. Webster and Kues, 2006, p. 21, Figs. 7.17-7.19.  
*Aesiocrinus osagensis* (Strimple, 1939). Bassler and Moodey, 1943, p. 284.  
Pennsylvanian, Missourian, Stanton Limestone; Bond Formation. United States, Oklahoma, Illinois

*Moundocrinus* sp. cf. *M. osagensis* Strimple, 1939. Strimple and Moore, 1971a, p. 28, Pls. 6, figs. 3a-3c; 7, figs. 1a-1d. Webster, 1977, p. 115. Pabian and Strimple, 1980b, p. 16. Webster, 1986, p. 211. Pabian and Rushlau, 2002, p. 34.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Moundocrinus* sp. Pabian and Strimple, 1985, p. 54, Fig. 16, nos. f-g. Webster, 1988, p. 114. Pabian and Rushlau, 2002, p. 34.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Nebraska

*Moundocrinus?* sp. indet. Hashimoto, 1984, p. 9, Pl. 2, figs. 4a-4c; Fig. 4, nos. 7a-7b. Webster, 1993, p. 79.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

**MRAKIBOCRINUS** Webster, Becker, and Maples, 2005. \**Mrakibocrinus brockwinkeli* Webster, Becker, and Maples, 2005.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F. Amabilicrinidae

Webster, Becker, and Maples, 2005, p. 1061.

Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species

Devonian, Famennian. Morocco

\**Mrakibocrinus brockwinkeli* Webster, Becker, and Maples, 2005, p. 1062, Figs. 9, no. 1; 5, nos. 10-11, 13; 6, nos. 1-13.

Devonian, Famennian, IV-B. Morocco

**MUELLERICRINUS** Hauser, 2007. \**Muellericrinus prescheri* Hauser, 2007.

C. Camerate, O. Monbathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Hauser, 2007, unnumbered Fig. p. 21. (Note. probably a synonym of *Pradocrinus*, GDW)

Named, currently recognized species based on cups or crowns: 2 Devonian, Eifelian species

Middle Devonian. Germany

\**Muellericrinus prescheri* Hauser, 2007, p. 21, Fig. 4.

Devonian, Eifelian, ?Ahabach Formation. Germany

*Muellericrinus heinorum* Hauser, 2007, p. 22, Fig. 5.

Devonian, Eifelian, ?Ahabach Formation. Germany

"Multilimb fold plates" Sprinkle, 1971, p. D94, Fig. 1, nos. 55-60 (possibly brachial plates). Webster, 1977, p. 181.

Middle Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

**MUSIVOOCRINUS** Termier and Termier, 1958 = **TETRABRACHIOCRINUS**

*Musivocrinus* sp. Ubaghs in Moore and Teichert, 1978 = *Tetrabrachiocrinus* sp.

**MYCOOCRINUS** Schultze, 1866. \**M. boletus* Schultze, 1866.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catilloocrinidae

Schultze, 1866, p. 110 (adv. pub.). Schultze, 1867, p. 222. Zittel, 1880, p. 380.

Wachsmuth and Springer, 1886, p. 192 (116). Bather, 1895, p. 332. Jaekel,



1895a, p. 45. Bather *in* Lankester, 1900, p. 149. Wachsmuth *in* Zittel, 1900, p. 153. Jaekel, 1902, p. 1101, Fig. 28, no. E. Springer *in* Zittel, 1913, p. 214. Springer, 1923a, p. 5. Wanner, 1937, p. 110. Bassler, 1938, p. 136. Moore, 1940b, p. 85. Bassler and Moodey, 1943, p. 566. Moore and Laudon, 1943b, p. 30. Ubaghs, 1953, p. 747, Fig. 11, no. c. Moore, 1962b, p. 16, Fig. 12, no. 2. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 178. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 334, no. 2. Webster, 1986, p. 212. Hauser, 1997, p. 85, Fig. 24. Hauser, 2001, p. 124, Fig. 106.

Named, currently recognized species based on cups or crowns: 2 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Mycocrinus boletus* Schultze, 1866, p. 110 (adv. pub.). Schultze, 1867, p. 222, Pl. 7, fig. 4. Springer, 1923a, p. 24, Pl. 1, figs. 1-10. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 567. Ubaghs, 1953, p. 747, Figs. 40-42. Webster, 1973, p. 178. Moore and Strimple *in* Moore and Teichert, 1978, p. T551. Webster, 1986, p. 212. Hauser, 1997, p. 85, Pl. 4, figs. 6-9. Hauser, 2001, p. 27, 125, Pl. 18, figs.

4-4a; Figs. 109. Hauser, 2008, p. 22, Pl. 18, figs. 8-9; Figs. 35, 37.

*Mycocrinus granulatus* Jaekel, 1895a p. 55, Pl. 4, figs. 4a-4c. Springer, 1923a, p. 24. Bassler and Moodey, 1943, p. 567. Hauser, 2001, p. 125, Fig. 107. Hauser, 2008, p. 22, Fig. 36.

Devonian, Eifelian, Freilingen Formation; Givetian, Ahbach Formation. Germany

*Mycocrinus conicus* Springer, 1923a, p. 25, Pl. 1, figs. 11-13. Bassler and Moodey, 1943, p. 567. Hauser, 2001, p. 125, Fig. 108.

Devonian, Eifelian. Germany

*Mycocrinus granulatus* Jaekel, 1895 = *Mycocrinus boletus*

Myelodactylid Donovan, 2006a, p. 398, Figs. 2-4.

Diagramatic

Myelodactylid indet. Jell, 1999a, p. 63, Fig. 49, nos. A-B.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

Myelodactylidae sp. Clement and Broadhead, 1994, p. 47.

Silurian - Devonian, Pridolian - Lochkovian, Decatur Formation; Ross Formation, Rockhouse Member, Birdsong Member. United States, Tennessee

**MYELODACTYLUS** Hall, 1852. \**M. convolutus* Hall, 1852.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Myelodactylidae

Hall, 1852a, p. 191. Shumard, 1868, p. 381. Bigsby, 1868, p. 22. Angelin, 1878, p. 11. Wachsmuth and Springer, 1880 (1879), p. 146 (369). Zittel, 1880, p. 343, 354. Nicholson and Etheridge, 1880, p. 330. Miller, S. A., 1889, p. 262.

Miller, S. A., 1897, p. 749. Weller, S., 1900, p. 45. Bassler, 1915, p. 844.

Springer, 1926a, p. 85. Springer, 1926b, p. 6. Bassler, 1938, p. 136. Bassler and

Moodey, 1943, p. 567. Moore and Laudon, 1943b, p. 29. Moore and Laudon,

1944, p. 143. Cuénot, 1948, p. 60. Ubaghs, 1953, p. 744, Figs. 123-124, 128. Yakovlev, 1964b, p. 69, Fig. 105. Arendt and Hecker, 1964, p. 80. Moore and Jeffords, 1968, p. 11, Fig. 1, no. 6. Dubatolova, 1971, p. 15. Webster, 1973, p. 178. Webster, 1977, p. 115. Moore and Lane *in* Moore and Teichert, 1978, p. T551. Webster, 1986, p. 212. Webster, 1988, p. 114. Hauser, 1997, p. 107, Fig. 31. Eckert and Brett, 2001, p. 39. Donovan, et al., 2009, p. 10. LeMenn, 2009, p. 472, Fig. 7.30, no. h.

*HERPETOCRINUS* Salter, 1873, p. 118. *H. fletcheri* Salter, 1873. Bather, 1898b, p. 339. Bather *in* Lankester, 1900, p. 146. Wachsmuth *in* Zittel, 1900, p. 153. Jaekel, 1902, p. 1101, Fig. 28, no. M. Springer *in* Zittel, 1913, p. 212. Bassler, 1915, p. 844. Thomas, A. O., 1919, p. 481. Ehrenberg, 1922b, p. 182. Ehrenberg, 1922c, p. 280. Springer, 1926a, p. 85. Ehrenberg, 1930a, p. 260. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 567. Moore, 1962b, p. 42. Moore and Jeffords, 1968, p. 12, Fig. 4, no. 4. Webster, 1973, p. 147. Moore and Lane *in* Moore and Teichert, 1978, p. T552. Webster, 1986, p. 169. Webster, 1988, p. 93. Donovan and Sevastopulo, 1989, p. 694. Webster, 1993, p. 68.

*OPHIOCRINUS* Charlesworth, 1865, p. 604. Bather, 1893a, p. 36. Bassler, 1938, p. 141. Bassler and Moodey, 1943, p. 567.

Named, currently recognized species based on cups or crowns: 14 species, 4 subspecies. 13 Silurian, 3 Llandoveryan, 6 Wenlockian (+3 subspecies), 3 Niagaran +1 subspecies), 1 Niagaran - Cayugan; 1 Devonian, Lochkovian

Silurian, late Llandoveryan - Wenlockian. Europe  
Middle Silurian, Niagaran; Early Devonian, Lochkovian (Helderbergian). United States

*Myelodactylus ammonis* (Bather, 1893). Springer, 1926b, p. 10, Pl. 2, figs. 1-9.

Springer, 1926b, p. 86, Pl. 27, figs. 1-5a. Bassler and Moodey, 1943, p. 567.

Ubaghs, 1953, p. 744, Figs. 124, 128. Webster, 1973, p. 179. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no. 2. Meyer and Ausich, 1983, p. 382, Fig. 1, no. j. Brett, 1984, p. 112, Fig. 15, no. C. Webster, 1988, p. 114. Donovan et al., 2007, p. 50, Fig. 3, no. L.

*Herpetocrinus ammonis* Bather, 1893a, p. 49, Pl. 2, figs. 54-63; Figs. 6-8.

Ehrenberg, 1922b, p. 188, Figs. 7, 14, 16. Bassler and Moodey, 1943, p. 567.

*Herpetocrinus ammonis ammonis* (Bather, 1893). Moore, 1962b, p. 42. Webster, 1973, p. 147.

*Herpetocrinus (Myelodactylus) ammonis* Ehrenberg, 1926a p. 256, Fig. 3.

Ehrenberg, 1930a, p. 322, Pl. 16, fig. 5. Bassler and Moodey, 1943, p. 567.

*Herpetocrinus ammonis bijugicirrus* Bather, 1893. Moore, 1962b, p. 42.

Webster, 1973, p. 147.

*Herpetocrinus ammonis* var. *bijugicirrus* Bather, 1893a, p. 50, Pl. 2, figs. 54-60.

Bassler and Moodey, 1943, p. 567.

*Herpetocrinus* sp. Wolburg, 1938, p. 258, Fig. 1, no. 4.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom

Silurian, Wenlockian, Beech River Formation, Waldron Shale; Laurel Limestone; Brownsport Formation. United States, Tennessee, Indiana

*Myelodactylus ammonis alternicirrus* (Bather, 1893). Bassler and Moodey, 1943, p. 567.

*Herpetocrinus ammonis* var. *alternicirrus* Bather, 1893a, p. 50, Pl. 2, figs. 61-63.  
*Herpetocrinus ammonis* var. *alternicirrus* (Bather, 1893). Bassler and Moodey, 1943, p. 567.

*Myelodactylus ammonis* var. *alternicirrus* (Bather, 1893). Springer, 1926b, p. 12, Pl. 2, figs. 1b, 4a-4b, 6b, 7-7a. Bassler and Moodey, 1943, p. 567.

*Herpetocrinus* (*Myelodactylus*) *ammonis* var. *alternicirrus* Bather, 1893.

Ehrenberg, 1930a, p. 322, Pl. 16, fig. 4. Bassler and Moodey, 1943, p. 567.

*Herpetocrinus ammonis alternicirrus* Bather, 1893. Moore, 1962b, p. 42. Webster, 1973, p. 147.

Silurian, Wenlockian, Much Wenlock Limestone, Beech River Formation, Waldron Shale. Sweden; United Kingdom; United States, Tennessee

*Myelodactylus ammonis* var. *alternicirrus* (Bather, 1893) = *Myelodactylus ammonis alternicirrus*

*Myelodactylus ammonis bijugicirrus* (Bather, 1893). Bassler and Moodey, 1943, p. 567.

*Myelodactylus ammonis* var. *bijugicirrus* (Bather, 1893). Springer, 1926b, p. 12, Pl. 2, figs. 2b, 3c, 5, 8. Bassler and Moodey, 1943, p. 567.

*Herpetocrinus* (*Myelodactylus*) *ammonis* var. *bijugicirrus* Bather, 1893. Ehrenberg, 1930a, p. 322, Pl. 16, fig. 3. Bassler and Moodey, 1943, p. 568.

Silurian, Wenlockian, Much Wenlock Limestone, Beech River Formation, Waldron Shale. United Kingdom; United States, Tennessee

*Myelodactylus ammonis* var. *bijugicirrus* (Bather, 1893) = *Myelodactylus ammonis bijugicirrus*

*Myelodactylus brachiatus* Hall, 1852 = *Herpetocrinus* (*Myelodactylus*) *brachiatus* = *Crinobrachiatus brachiatus*

*Myelodactylus brevis* Springer, 1926a, p. 86, Pl. 27, figs. 9-9a. Springer, 1926b, p. 10, Pl. 1, figs. 9-9a. Bassler and Moodey, 1943, p. 568.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Myelodactylus bridgeportensis* Miller, S. A., 1880b, p. 141, Pl. 4, figs. 2a-2c. Miller, S. A., 1889, p. 262, Fig. 368. Weller, S., 1900, p. 69, Pl. 15, figs. 1-2. Bassler, 1915, p. 844. Bassler and Moodey, 1943, p. 568.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

\**Myelodactylus convolutus* Hall, 1852a, p. 191, Pl. 42, figs. 5a-6h. Shumard, 1868, p. 381. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 262. Bassler, 1915, p. 844. Springer, 1926a, p. 8, Pl. 1, figs. 1-8. Springer, 1926b, p. 86, Pl. 27, figs. 6-8. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 568. Moore and Laudon, 1944, p. 143, Pl. 54, fig. 26. Moore, 1962b, p. 41, Pl. 4, fig. 2. Webster, 1973, p. 179. Moore and Lane *in* Moore and Teichert, 1978, p. T551, Fig. 334, nos. 1a-1d. Webster, 1986, p. 212. Gluchowski, Piotrowski, and Tomczykowa, 1991, p. 289, Pl. 158, fig. 11 (brachial). Kahrs, 1995, p. 52, Figs. 1-2.

*Herpetocrinus convolutus* (Hall, 1852). Bather, 1893a, p. 48, Pl. 2, figs. 50-53.

Ehrenberg, 1922b, p. 197, Fig. 15. Bassler and Moodey, 1943, p. 568.

*Herpetocrinus (Myelodactylus) convolutus* (Hall, 1852). Ehrenberg, 1930a, p. 322, Pl. 16, fig. 1. Bassler and Moodey, 1943, p. 568.

Silurian, Wenlockian, Rochester Shale, Laurel Limestone, Waldron Shale; Brassfield Limestone; Racine Formation; Clinton Formation; Lockport Formation. United States, Indiana, Tennessee; Sweden, Isle of Gotland  
Silurian, Bielskian. Poland

*Myelodactylus dicirrocrinus* (Ehrenberg, 1930) = *Dicirrocrinus dicirrocrinus*

*Myelodactylus extensus* Springer, 1926 = *Myelodactylus extensus extensus*

*Myelodactylus extensus alternicirrus* Springer, 1926 = *Myelodactylus extensus extensus*

*Myelodactylus extensus bijugicirrus* Springer, 1926b, p. 14, Pl. 3, figs. 2a, 3a, 5-8a, 13a. Bassler and Moodey, 1943, p. 568. Moore, 1962b, p. 42. Webster, 1973, p. 179.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Myelodactylus extensus extensus* Springer, 1926. Moore, 1962b, p. 42. Webster, 1973, p. 179.

*Myelodactylus extensus* Springer, 1926a, p. 87, Pl. 27, figs. 11-18. Springer, 1926b, p. 14, Pl. 3, figs. 1-13a. Bassler and Moodey, 1943, p. 568. Amsden, 1949, p. 78,

Pl. 12, fig. 17. Strimple, 1963d, p. 27, Pl. 1, figs. 9-10. Webster, 1973, p. 179.

*Herpetocrinus (Myelodactylus) extensus* Ehrenberg, 1930a, p. 322, Pl. 16, fig. 2. Bassler and Moodey, 1943, p. 568.

*Myelodactylus extensus alternicirrus* Springer, 1926b, p. 14, Pl. 3, figs. 1a, 4a, 6, 9-11. Bassler and Moodey, 1943, p. 568. Moore, 1962b, p. 42. Webster, 1973, p. 179.

Silurian, Wenlockian, Much Wenlock Limestone; Beech River Formation; Brownsport Formation; Henryhouse Formation. United Kingdom; United States, Tennessee

*Myelodactylus flabellicirrus* (Bather, 1893). Springer, 1926b, p. 18. Bassler and Moodey, 1943, p. 568. Webster, 1988, p. 93.

*Herpetocrinus flabellicirrus* Bather, 1893a, p. 51, Pl. 2, figs. 64-77. Ehrenberg, 1922b, p. 189, Figs. 9, 11-13, 17, 19. Ehrenberg, 1922c, p. 283, Fig. 14. Bassler and Moodey, 1943, p. 568. Brett, 1984, p. 112, Fig. 15, no. A. Webster, 1988, p. 93.

*Herpetocrinus (Myelodactylus) flabellicirrus* Bather, 1893. Ehrenberg, 1926a, p. 257, Fig. 4. Ehrenberg, 1930, p. 323, Pl. 16, figs. 12-13. Bassler and Moodey, 1943, p. 569.

Silurian, Wenlockian, Visby Beds. Sweden, Isle of Gotland

*Myelodactylus fletcheri* (Salter, 1873). Springer, 1926a, p. 86, Pl. 27, figs. 10-10b.

- Springer, 1926b, p. 10, Pl. 1, figs. 10-12c. Bassler and Moodey, 1943, p. 569. Ubaghs, 1953, p. 744, Figs. 125-127. Yakovlev, 1964b, p. 69, Fig. 106. Webster, 1973, p. 179. Hess *in* Hess et al., 1999 p. 83, Fig. 100. Donovan, 2006a, p. 398, Fig. 1. Donovan et al., 2007, p. 50, Fig. 3, no. K. Donovan and Lewis, 2008b, p. 12, Fig. 4, no. C. Donovan et al., 2009, p. 16, Pls. 2, figs. 1, 4-8, 10; 3, fig. 2; 4, figs. 14, 15, 18, 20, 21; Figs. 2, no. B; 5-6.
- Herpetocrinus fletcheri* Salter, 1873, p. 118, Unnum. Fig. Bather, 1891d, p. 5. Bather, 1893a, p. 46, Pl. 1, figs. 24-49. Delage and Herouard, 1903, p. 379. Ehrenberg, 1922b, p. 184, Figs. 1-5, 8. Ehrenberg, 1922c, p. 282, Fig. 13. Bassler, 1938, p. 111. Bassler and Moodey, 1943, p. 569. Moore, 1962b, p. 42, Pl. 4, fig. 3. Webster, 1973, p. 147. Ubaghs *in* Moore and Teichert, 1978, p. T78, Fig. 57, no. 1. Moore and Lane *in* Moore and Teichert, 1978, p. T552, Fig. 345, no. 1. Webster, 1986, p. 169. Donovan and Sevastopulo, 1989, p. 694, Pl. 81, fig. 7. Eckert, 1990, p. 136, Fig. 1, no. 2. Webster, 1993, p. 68.
- Herpetocrinus (Myelodactylus) fletcheri* (Salter, 1873). Ehrenberg, 1926a, p. 255, Fig. 2. Ehrenberg, 1930, p. 323, Pl. 16, figs. 10-11. Bassler and Moodey, 1943, p. 569.
- Myelodactylus heterocrinus* Angelin, 1878, p. 11, Pl. 10, figs. 24-25. Bassler and Moodey, 1943, p. 569.  
Silurian, Wenlockian, Slite Beds. Sweden, Gotland  
Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom
- Myelodactylus gorbyi* Miller, S. A., 1891c, p. 72 (adv. pub.). Miller, S. A., 1892a, p. 680. Miller, S. A., 1892b, p. 682, Pl. 11, figs. 6-7. Miller, S. A., 1897, p. 749, Figs. 1365. Bassler, 1915, p. 844. Bassler and Moodey, 1943, p. 569.  
Silurian, Niagaran, Waldron Shale. United States, Tennessee
- Myelodactylus gracilis* Angelin, 1878, p. 11, Pl. 10, fig. 28. Bassler and Moodey, 1943, p. 569.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Myelodactylus heterocrinus* Angelin, 1878 = *Myelodactylus fletcheri*
- Myelodactylus? interradialis* Angelin, 1878, p. 11, Pl. 10, figs. 26-27. Bather, 1893a, p. 40. Bassler and Moodey, 1943, p. 569.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Myelodactylus hibernicus* Donovan and Sevastopulo, 1985, p. 702, Pl. 82, figs. 1, 3, 4; Fig. 6. Donovan and Lewis, 2008b, p. 12, Fig. 5, no. B. Donovan et al., 2009, p. 19, Pl. 5, fig. 1; Fig. 7.  
Silurian, Llandoveryan, Griffith's Eb division = Kilbride Formation. Ireland
- Myelodactylus keyserensis* Springer, 1926a, p. 87, Pl. 27, figs. 20-20a. Springer, 1926b, p. 19, Pl. 6, figs. 1-3. Bassler and Moodey, 1943, p. 569. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 7. Moore and Laudon, 1944, p. 145, Pl. 54, fig. 27. Ubaghs, 1953, p. 744, Fig. 140, no. N. Moore, 1962b, p. 41, Pl. 3, fig. 1. Webster, 1973, p. 179. Moore and Lane *in* Moore and Teichert, 1978, p. T552,

- Fig. 334, nos. 1e-1i. Brett, 1984, p. 112, Fig. 15, no. B. Webster, 1986, p. 212. Webster, 1988, p. 14.  
 Silurian, Niagaran - Cayugan, Rochester Shale; Keyser Formation. United States, New York, West Virginia
- Myelodactylus linae* Eckert and Brett, 2001, p. 39, Pl. 6, figs. 1-3, 5; Fig. 14.  
 Silurian, late Llandoveryan, Wolcott Formation. United States, New York
- Myelodactylus nodosarius* (Hall, 1859) = *Brachiocrinus nodosarius*
- Myelodactylus parvispinifer* (Brower, 1975). New Combination Webster, 2003.  
*Herpetocrinus parvispinifer* Brower, 1975a, p. 649, Pl. 73, figs. 3, 5. Webster, 1986, p. 169. Donovan, Fernhead, and Lewis, 2007, p. 178, Pl. 32, figs. 3-4. Donovan et al., 2008b, p. 335, Fig. 15.1, no. 4. Donovan and Lewis, 2008b, p. 12, Fig. 4, no. A. Donovan et al., 2009, p. 20, Pl. 3, fig. 5; Fig. 2, no. C.  
 Silurian, late Llandoveryan, Gutterford Burn Flagstones, "Starfish Bed". United Kingdom, Scotland  
 Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom, Scotland  
 Silurian, late Llandoveryan, Telcyian, Reservoir Formation, Starfish Beds. United Kingdom, Scotland
- Myelodactylus rotundatus* Foerste, 1919 = *Eomyelodactylus rotundatus*
- Myelodactylus* (*Eomyelodactylus*) *rotundatus* Foerste, 1919 = \**Eomyelodactylus rotundatus*
- Myelodactylus schucherti* Springer, 1926a, p. 87, Pl. 27, fig. 21. Springer, 1926b, p. 21, Pl. 5, figs. 9-9c. Bassler and Moodey, 1943, p. 569.  
*Herpetocrinus* (*Myelodactylus*) *schucherti* (Springer, 1926). Ehrenberg, 1930a, p. 322, Pl. 16, fig. 6. Bassler and Moodey, 1943, p. 569.  
 Devonian, Lochkovian, Birdsong Shale. United States, Tennessee
- Myelodactylus?* sp. Marr, 1892= Indeterminate flexible crinoid
- Myelodactylus* sp. Marr, 1913 = Indeterminate flexible crinoid
- Myelodactylus* spp.  
 Shumard, 1868, p. 381.  
 Silurian, Niagaran. United States, New York  
 Termier, H. and Termier, G., 1949, p. 42, Pl. 2, fig. 7. Webster, 1973, p. 179  
 Silurian. Sweden  
 Breimer, 1962a, p. 145.  
 Devonian, Santa Lucia Limestone, Portilla Limestone. Spain  
 Strimple, 1963d, p. 28, Pl. 1, fig. 5. Webster, 1973, p. 179.  
 Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma  
*Herpetocrinus* sp. Wolburg, 1938, p. 258, Fig. 1, no. 3.  
 Diagramatic

**MYOSOCRINUS** Ausich and Copper, 2010. \**Myosocrinus chicottensis* Ausich and Copper, 2010.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Ausich and Copper, 2010, p. 44.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada, Quebec

\**Myosocrinus chicottensis* Ausich and Copper, 2010, p. 45, Pl. 9, fig. 2; Fig. 8.4.

Silurian, Llandoveryian, Chicotte Formation. Canada, Quebec, Anticosti Island

**MYRTILLOCRINUS** Sandberger and Sandberger, 1856. \**M. elongatus* Sandberger and Sandberger, 1856.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae

Sandberger and Sandberger, 1856, p. 388. Müller, J., 1857, p. 257. Pictet, 1857, p. 311. Dujardin and Hupé, 1862, p. 108. Shumard, 1868, p. 381. Zittel, 1880, p. 344, 364. Wachsmuth and Springer, 1886, p. 185 (109). Miller, S. A., 1889, p. 262. Zittel, 1895, p. 127. Bather *in* Lankester, 1900, p. 177. Wachsmuth *in* Zittel, 1900, p. 137. Springer *in* Zittel, 1913, p. 219. Wanner, 1932, p. 499, Fig. 38. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 570. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 153. Ubaghs, 1953, p. 750. Webster, 1973, p. 179. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Webster, 1986, p. 212.

**TRIPLEUROCRINUS** Wood, E., 1904, p. 56. \**T. levis* Wood, 1904. Bassler, 1938, p. 188. Bassler and Moodey, 1943, p. 570. Lane and Moore *in* Moore and Teichert, 1978, p. T588.

Named, currently recognized species based on cups or crowns: 5 Devonian species, 2 Emsian, 2 Eifelian, 1 Givetian

Devonian, Eifelian - Givetian. Germany

Devonian, Eifelian. Russia

Devonian, Emsian. United States

*Myrtillocrinus americanus* Hall, 1862a, p. 114, Pl. 1, figs. 2-4. Hall, 1862b, p. 142, Pl. 1, figs. 2-4. Shumard, 1868, p. 381. Miller, S. A., 1889, p. 262. Wachsmuth and Springer, 1897, Pl. 3, fig. 13. Springer, 1911b, p. 25, Pl. 3, fig. 8. Goldring, 1923,

p. 358, Pl. 44, figs. 11-13. Springer, 1926a, p. 49, Pl. 11, figs. 5-5a.

Bassler and Moodey, 1943, p. 570. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 3. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 16. Webster, 1973, p. 179. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Fig. 376, no. 3. Webster, 1986, p. 212.

Devonian, Emsian, Onondaga Limestone. United States, New York

*Myrtillocrinus? curtus* Schmidt, W. E., 1913, p. 300, Pl. 22, fig. 1. Bassler and Moodey, 1943, p. 570. Schmidt, W. E., 1942, p. 107, Fig. 29. Webster, 1973, p. 179.

Devonian, early Eifelian, *Orthocrinus* Beds. Germany

- \**Myrtillocrinus elongatus* Sandberger and Sandberger, 1855, p. 389, Pl. 35, figs. 6-6c. Pictet, 1857, p. 311, Pl. 100, fig. 4, nos. a-b. Dujardin and Hupé, 1862, p. 108. Holzapfel, 1895, p. 301. Bassler, 1938, p. 136. Bassler and Moodey, 1943, p. 570.  
Devonian, Givetian. Germany
- Myrtillocrinus levis* (Wood, 1904). Bassler and Moodey, 1943, p. 570.  
*Tripleurocrinus levis* Wood, E., 1904, p. 57, Pl. 16, figs. 2-2a. Bassler, 1938, p. 188. Bassler and Moodey, 1943, p. 570.  
*Myrtillocrinus? levis* (Wood, 1904). Springer, 1911b, p. 25, Pl. 3, figs. 10a-10b. Goldring, 1923, p. 360, Pl. 44, figs. 14-15. Bassler and Moodey, 1943, p. 570. Devonian, Emsian, Onondaga Limestone. United States, New York
- Myrtillocrinus? levis* (Wood, 1904) = *Myrtillocrinus levis*
- Myrtillocrinus orbiculatus* Dubatolova, 1964, p. 24, Pl. 2, figs. 3-5; Fig. 2. Webster, 1973, p. 180.  
Devonian, Eifelian. Russia, Kuznetz Basin
- MYSTICOCRINUS** Springer, 1918. \**M. wilsoni* Springer, 1918.  
Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Lecanocrinidae  
Springer, 1918, p. 666. Bather, 1919a, p. 182. Springer, 1926a, p. 83. Bassler, 1938, p. 137. Bassler and Moodey, 1943, p. 570. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 153. Ubaghs, 1953, p. 750. Xu, 1962, p. 45, 50, Fig. 1. Webster, 1973, p. 180. Moore *in* Moore and Teichert, 1978, p. T778, Figs. 506, no. 1; 507, no. 1a; 509, no. 1a. Webster, 1986, p. 212. Rozhnov, 2002, p. S542, Fig. 15 (diagramatic).  
Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species  
Silurian, Niagaran. United States
- \**Mysticocrinus wilsoni* Springer, 1918, p. 666, Pl. 2. Springer, 1926a, p. 84, Pl. 26, figs. 1a-1g. Bassler, 1938, p. 137. Bassler and Moodey, 1943, p. 570. Moore and Laudon, 1944, p. 153, Pl. 54, fig. 23. Webster, 1973, p. 180. Moore *in* Moore and Teichert, 1978, p. T778, Figs. 517, no. 2; 518, no. 3. Webster, 1986, p. 212.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Mysticocrinus?* sp. Termier, G. and Termier, H., 1950, p. 88, Pl. 216, figs. 9-11. Webster, 1973, p. 180.  
Mississippian, Serpukhovian. Morocco
- NACOCRINUS** Webster and Olson, 1998. \**N. ellioti* Webster and Olson, 1998.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinotoidea, F. Pachylocrinidae,  
Webster and Olson, 1998, p. 511. Webster and Olson, 1998, p. 511. Webster and



Maples, 2006, p. 193, Fig. 3, no. C.  
 Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
 Desmoinesian species  
 Pennsylvanian, Desmoinesian, Naco Formation, Beta Member. United States,  
 Arizona

\**Nacocrinus ellioti* Webster and Olson, 1998, p. 511, Fig. 1, nos. 1-4.  
 Pennsylvanian, Desmoinesian, Naco Formation, Beta Member. United States,  
 Arizona

**NACTOCRINUS** Kirk, 1947. \**N. nitidus* Kirk, 1947.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
 Bursacrinidae

Kirk, 1947, p. 288. Webster, 1973, p. 180. Moore, Lane, and Strimple *in* Moore  
 and Teichert, 1978, p. T673. Webster, 1986, p. 213. Lane and Sevastopulo,  
 1990, p. 336. Webster, 1993, p. 79.

Named, currently recognized species based on cups or crowns: 3 Mississippian  
 species, 1 Tournaisian, 2 Viséan  
 Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States,  
 Iowa

*Nactocrinus antiquus* (Meek and Worthen, 1869). Kirk, 1947, p. 288. Webster, 1973,  
 p. 180.

*Erisocrinus antiquus* Meek and Worthen, 1869, p. 71. Meek and Worthen, 1873, p.  
 447, Pl. 2, fig. 3. Miller, S. A., 1889, p. 243. Weller, 1898c, p. 252. Bassler and  
 Moodey, 1943, p. 496. Kirk, 1947, p. 289. Webster, 1973, p. 180.

*Graphiocrinus antiquus* (Meek and Worthen, 1869). Springer, 1911c, p. 143.  
 Bassler and Moodey, 1943, p. 496.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
 Iowa

\**Nactocrinus nitidus* Kirk, 1947, p. 290, Pl. 1, figs. 1-6. Webster, 1973, p. 180. Moore,  
 Lane, and Strimple *in* Moore and Teichert, 1978, p. T673, Fig. 443, no. 1.  
 Webster, 1986, p. 213.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
 Iowa

*Nactocrinus notatus* (Miller and Gurley, 1896). Kirk, 1947, p. 292. Webster, 1973, p.  
 180.

*Scaphiocrinus notatus* Miller and Gurley, 1896b, p. 34, Pl. 2, figs. 26-27. Miller, S.  
 A., 1897, p. 753. Weller, 1898c, p. 546. Bassler and Moodey, 1943, p. 497.  
 Kirk, 1947, p. 292. Webster, 1973, p. 180.

*Philocrinus notatus* Laudon and Beane, 1937, p. 260, Pl. 18, fig. 11. Bassler and  
 Moodey, 1943, p. 497.

*Graphiocrinus notatus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p.  
 497.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States,  
 Iowa

**NANICRINUS** Frest and Strimple, 1980. \**N. papillatus* Frest and Strimple, 1980, OD. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Prokopocrinidae  
Frest and Strimple, 1980, p. 258. Webster, 1986, p. 213.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species  
Silurian, Ludlovian. United States, Oklahoma

\**Nanicrinus papillatus* Frest and Strimple, 1980, p. 259, Pl. 1, figs. a-f; Fig. 2, no. b.  
Webster, 1986, p. 213.  
Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Nanicrinus paradoxus* Müller; Schultze, 1866 = *Trapezocrinus subvexus*

**NANOCRINUS** Müller, 1856. \**N. paradoxus* Müller, 1856.  
Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
Müller, J., 1856, p. 355. Müller, J., 1857, p. 240. Schultze, 1866, p. 102 (adv. pub.).  
Schultze, 1867, p. 214. Zittel, 1880, p. 344, 364. Wachsmuth and Springer, 1886,  
p. 182 (106. Zittel, 1895, p. 127. Koken, 1896, p. 280. Bather *in* Lankester, 1900,  
p. 177. Wachsmuth *in* Zittel, 1900, p. 155. Springer *in* Zittel, 1913, p. 219.  
Bassler, 1938, p. 137. Bassler and Moodey, 1943, p. 570. Moore and Laudon,  
1943b, p. 50. Ubaghs, 1953, p. 750. Webster, 1973, p. 180. Webster, 1977, p.  
115. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Smith, A. B., 1985,  
p. 172. Webster, 1986, p. 213. Webster, 1988, p. 114. Hauser, 1997, p. 45, Fig.  
14. Hauser, 2001, p. 90, Fig. 72. Bohatý, 2006a, 418.  
Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species  
Devonian, Eifelian. Germany

\**Nanocrinus paradoxus* Müller, J., 1856, p. 355. Müller, J., 1857, p. 240, Pl. 2, figs. 18-21. Schultze, 1866, p. 102 (adv. pub.). Schultze, 1867, p. 214, Pl. 12, fig. 7. Bassler, 1938, p. 137. Wanner, 1943, p. 37, Unnum. Fig. p. 37. Bassler and Moodey, 1943, p. 570. Webster, 1977, p. 115. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Figs. 376, no. 1; 377, no. 6. Smith, A. B., 1985, p. 172, Pl. 7.4.37. Webster, 1986, p. 213. Webster, 1988, p. 114. Hauser, 1997, p. 45. Hauser, 2001, p. 25, 90, Pl. 18, figs. 1-3; Fig. 73, nos. 1a-1c. Bohatý, 2006a, p. 418, Figs. 7; 8, nos. 1-7.  
Devonian, Eifelian, ?Junkerberg Formation. Germany

*Nanocrinus paradoxus* Müller. Schultze, 1866 (part) = *Trapezocrinus subvexus*

*Nanocrinus subvexus* Bohatý, 2006 = *Trapezocrinus subvexus*

*Nanocrinus subvexus granulatus* Bohatý, 2006 = *Trapezocrinus subvexus granulatus*

**NASSOVIOCRINUS** Jaekel, 1918. \*?*Heterocrinus pachydactylus* Sandberger and Sandberger, 1855.

Sbo. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
 Jaekel, 1918, p. 53. Bassler, 1938, p. 137. Bassler and Moodey, 1943, p. 570.  
 Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 180. Moore and Lane *in*  
 Moore and Teichert, 1978, p. T625. Webster, 1986, p. 213. Jell, 1999a, p. 98.  
 McIntosh, 2001, p. 791. Webster et al., 2003, p. 14 (misspelled as  
*Nassovacrinus* Fig. 8).

Named, currently recognized species based on cups or crowns: 9 species. 2  
 Silurian, Ludlovian; 7 Devonian, 1 Pragian, 2 Emsian, 4 Givetian  
 Devonian, Emsian. Germany  
 Silurian, Ludlovian. Australia, Victoria

*Nassoviocrinus? chilmanae* McIntosh, 2001, p. 796, Figs. 8.11-8.13, 8.15-8.18.  
 Devonian, Givetian, Hamilton Group, Silica Shale, *Polygnathus hemiansatus*  
 Biozone. United States, Ohio

*Nassoviocrinus corcorani* Jell, 1999a, p. 102, Fig. 80, nos. A-H. McIntosh, 2001, p. 791.  
 Class Crinoidea Talent, 1965, p. 17, Pl. 4, fig. 2. Jell, 1999a, p. 102.  
 Silurian, Ludlovian, Kilmore Siltstone and Dargile Formation. Australia, Victoria

*Nassoviocrinus costatus* (Goldring, 1954). McIntosh, 2001, p. 792, Figs. 7, 8.1-8.9, 8.  
 14.  
*Botryocrinus costatus* Goldring, 1954, p. 22, Pl. 3, figs. 1-7. Webster, 1973, p. 68.  
 McIntosh, 2001, p. 792.  
 Devonian, Givetian, Hamilton Group, Ludlowville Formation, Centerfield Member;  
 Mahantango Formation, middle member; Moscow Formation, Kashong  
 Member. United States, New York

*Nassoviocrinus? duluki* (Kesling, 1969). McIntosh, 2001, p. 794, Fig. 8.10.  
*Poteriocrinites duluki* Kesling, 1969a, p. 203, Pl. 2, figs. 1-12. Kesling and Chilman,  
 1975, p. 275, Pl. 23, figs. 15-22. Webster, 1977, p. 144. Webster, 1986, p. 262.  
 Ausich, 1996b, p. 248, Fig. 17-6, nos. 12-13. McIntosh, 2001, p. 794.  
 Devonian, Givetian, Hamilton Group, Silica Shale, *Polygnathus hemiansatus*  
 Biozone. United States, Ohio

*Nassoviocrinus goldringae* Belanski, 1928 = *Quantoxocrinus goldringae*

*Nassoviocrinus longibrachiatus* (Chapman, 1903). Jell, 1999a, p. 99, Fig. 79, nos. A-G.  
 McIntosh, 2001, p. 791.  
*Botryocrinus longibrachiatus* Chapman, 1903, p. 108, Pl. 18, figs. 6-8. Bassler and  
 Moodey, 1943, p. 338. Jell, 1999a, p. 99. McIntosh, 2001, p. 791.  
 Silurian, Ludlovian, Melbourne Formation. Australia, Victoria

*Nassoviocrinus? ornatus* (Goldring, 1954). McIntosh, 2001, p. 795, Fig. 9.4.  
*Botryocrinus ornatus* Goldring, 1954, p. 26, Pl. 3, figs. 11-12. Webster, 1973, p.  
 69. McIntosh, 2001, p. 795.

Devonian, Givetian, Hamilton Group, Moscow Formation, Kashong Shale Member.  
United States, New York

- \**Nassoviocrinus pachydactylus* (Sandberger and Sandberger, 1855). Jaekel, 1918, p. 53, Fig. 42. Bassler and Moodey, 1943, p. 571. Moore and Lane *in* Moore and Teichert, 1978, p. T625, Fig. 407, no. 1. Webster, 1986, p. 213. McIntosh, 2001, p. 791.
- ?*Heterocrinus pachydactylus* Sandberger and Sandberger, 1850-1856, p. 402, Pl. 35, figs. 16-16a. Bassler and Moodey, 1943, p. 571.
- Heterocrinus pachydactylus* Sandberger and Sandberger, 1855. Bassler, 1938, p. 137. McIntosh, 2001, p. 791.
- Poteriocrinus pachydactylus* Müller, *Heterocrinus pachydactylus* Sandberger and Sandberger, 1855. Müller, J., 1859, p. 191.
- Botryocrinus pachydactylus* (Sandberger and Sandberger, 1855). Haarmann, 1921, p. 21, Pl. 2, figs. 5a-5b. Bassler and Moodey, 1943, p. 571.
- Devonian, Pragian, Herdorf Schichten, ?*Polygnathus pireneae* Biozone. Germany, near Hachenberg von Granjean

- Nassoviocrinus rarifissus* Jaekel, 1918, p. 53, Fig. 92. Schmidt, W. E., 1942, p. 110, Pl. 26, fig. 1. Webster, 1973, p. 53. McIntosh, 2001, p. 791.
- Antihomocrinus rarifissus* (Jaekel, 1918) Schmidt, 1941. Schmidt, W. E., 1942, p. 110, Pl. 26, fig. 1. Webster, 1973, p. 53. McIntosh, 2001, p. 791.
- Devonian, Emsian. Germany, Reichenberg

*Nassoviocrinus rarifissus* Jaekel, 1918 = *Antihomocrinus rarifissus*

- Nassoviocrinus schultzei* (Haarmann, 1921). McIntosh, 2001, p. 794.
- Botryocrinus schultzei* Haarmann, 1921, p. 14, Pl. 2, figs. 1-4; Fig. 2. Bassler and Moodey, 1943, p. 339. Schmidt, W. E., 1942, p. 116, Pls. 6, figs. 4-6; 12, figs. 6-8; 24, fig. 1; Figs. 31-32A. Webster, 1973, p. 70. Moore and Lane *in* Moore and Teichert, 1978, p. T614, Fig. 398, nos. 1a-1b. Webster, 1986, p. 80. McIntosh, 2001, p. 794.
- Devonian, Emsian, Stradtfeld Schichten, ?*Polygnathus dehiscens* Biozone.  
Germany, Eifel and Lauzert near Niederstadtfeld

Nave Encrinite Parkinson, 1808 = *Thinocrinus loricatus*

Nave Encrinite Cumberland, 1811 = *Thinocrinus loricatus*

**NEBRASKACRINUS** Moore, 1939. \**N. tourteloti* Moore, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Moore, 1939c, p. 198. Bassler and Moodey, 1943, p. 571. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 159. Branson, 1948, p. 201. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 180. Webster, 1977, p. 115. Moore and Strimple *in* Moore and Teichert, 1978, p. T651. Webster, 1986, p. 213.

Named, currently recognized species based on cups or crowns: 1 Permian, Wolfcampian species

Permian, Wolfcampian. United States, Kansas, Nebraska

\**Nebraskacrinus tourteloti* Moore, 1939c, p. 199, Pl. 5, figs. 1a-1d; Fig. 4. Bassler and Moodey, 1943, p. 571. Moore and Laudon, 1944, p. 159, Pl. 60, fig. 13. Branson, 1948, p. 201. White, E., 1964, Fig. 28. Webster, 1973, p. 180. Pabian and Strimple, 1974a, p. 295, Pls. 39, figs. 9-11; 40, fig. 8; Fig. 1, nos. a-b. Webster, 1977, p. 115. Pabian and Strimple, 1978a, p. 55, fig. 2, no. R. Moore and Strimple *in* Moore and Teichert, 1978, p. T651, Fig. 426, no. 2. Webster, 1986, p. 213.

Permian, Wolfcampian, Winfield Limestone Formation, Grant Shale Member. United States, Kansas, Nebraska

**NECOPINOCRINUS** Webster and Jell, 1999. \**Necopinocrinus tycherus* Webster and Jell, 1999.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Webster and Jell, 1999b, p. 298.

Named, currently recognized species based on cups or crowns: 1 Permian, latest Artinskian or earliest Roadian species

Permian, latest Artinskian or earliest Roadian. Australia, Queensland

\**Necopinocrinus tycherus* Webster and Jell, 1999b, p. 298, Fig. 8.

Permian, latest Artinskian or earliest Roadian. Australia, Queensland

**NEERKOLOCRINUS** Webster and Jell, 1999. \**Neerkolocrinus typus* Webster and Jell, 1999.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Webster and Jell, 1999a, p. 264.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Westphalian species

Pennsylvanian, Westphalian. Australia, Queensland

\**Neerkolocrinus typus* Webster and Jell, 1999a, p. 264, Figs. 16, nos. A-D; 17, nos. A-B.

Pennsylvanian, Westphalian, Neerkol Formation. Australia, Queensland

**NEMATOCRINUS** Meek and Worthen, 1866 = **CATILLOCRINUS**

**NEOARCHAEOCRINUS** Strimple and Watkins, 1955. \**Thysanocrinus* (*Rhodocrinus*) *pyriformis* Billings, 1857.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Strimple and Watkins, 1955, p. 350. Strimple, 1972a, p. 450, Fig. 1. Webster, 1973, p. 180. Webster, 1977, p. 115. Ubaghs *in* Moore and Teichert, 1978, p. T417. Donovan, 1985a, p. 125. Webster, 1986, p. 214. Webster, 1988, p. 114. Webster, 1993, p. 79. Wang, 1995, p. 343. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 6 species. 3 Ordovician, 1 Darriwilian, 2 Katian; 2 Silurian, 1 Llandoveryan, 1 Niagaran; 1 Devonian, Eifelian - Givetian

Ordovician, Darriwilian. United Kingdom

Late Ordovician, Katian; Middle Silurian. North America  
 Silurian, Llandoveryan. China  
 Devonian, Gedinnian - Siegenian. France

- Neoarchaeocrinus elevatus* (Ramsbottom, 1961). Strimple, 1972a, p. 451. Webster, 1977, p. 116. Wang, 1995, p. 344, Pl. 1, fig. 3; Fig. 1, no. 6.  
*Archaeocrinus elevatus* Ramsbottom, 1961, p. 23, Pl. 8, figs. 1-4; Fig. 11. Strimple, 1972a, p. 451. Webster, 1973, p. 57. Webster, 1977, p. 116.  
 Ordovician, Darriwilian (Caradocian), Stinchar Limestone Group, *Orthis confinis* Beds. United Kingdom
- Neoarchaeocrinus necopinus* Strimple, 1963d, p. 70, Pl. 3, fig. 8; Fig. 20, no. b. Webster, 1973, p. 180. Wang, 1995, p. 344, Pl. 1, fig. 5; Fig. 1, no. 1.  
 Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma
- Neoarchaeocrinus obconicus* (Slocum, 1924). Strimple, 1972a, p. 451. Webster, 1977, p. 116. Wang, 1995, p. 344, Pl. 1, fig. 2; Fig. 1, no. 5.  
*Archaeocrinus obconicus* Slocum, 1924, p. 328, Pl. 29, figs. 10-13. Bassler and Moodey, 1943, p. 309. Strimple, 1972a, p. 451. Webster, 1977, p. 116.  
 Late Ordovician, Katian (Richmondian), Maquoketa Formation, Elgin Shale. United States, Iowa
- \**Neoarchaeocrinus pyriformis* (Billings, 1857). Strimple, 1963d, p. 70, Fig. 19, no. b. Strimple, 1972a, p. 450. Webster, 1973, p. 180. Webster, 1977, p. 116. Ubaghs *in* Moore and Teichert, 1978, p. T418, Fig. 227, no. 2. Webster, 1986, p. 214. Wang, 1995, p. 344, Pl. 1, fig. 1; Fig. 1, no. 4.  
*Thysanocrinus (Rhodocrinus) pyriformis* Billings, E., 1857a, p. 262. Shumard, 1868, p. 398. Bassler and Moodey, 1943, p. 309.  
*Thysanocrinus pyriformis* Billings, 1857. Shumard, 1868, p. 398. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 286. Bassler, 1915, p. 60. Strimple, 1963d, p. 70. Webster, 1973, p. 180.  
*Rhodocrinus pyriformis* (Billings, 1857). Billings, E., 1859a, p. 61, Pl. 6, figs. 1a-1d. Bigsby, 1868, p. 23, 196. Miller, S. A., 1889, p. 278. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309.  
*Archaeocrinus pyriformis* (Billings, 1857). Miller, S. A., 1889, p. 225. Wachsmuth and Springer, 1897, p. 255, Pl. 10, figs. 3a-3b. Grabau and Shimer, 1910, p. 550. Bassler, 1915, p. 60. Bassler and Moodey, 1943, p. 309. Wilson, A. E., 1946, p. 26. Webster, 1973, p. 58. Brett and Taylor *in* Hess et al., 1999 p. 69, fig. 80, no. f.  
 Ordovician, Katian (Champlainian), Cobourg Limestone; Hull Limestone; Verulam Formation. Canada, Quebec
- Neoarchaeocrinus shiqianmensis* Wang, 1995, p. 345, Pl. 1, fig. 6; Fig. 1, no. 3.  
 Silurian, Llandovery, Leijiatus Formation. China, Guizhou
- Neoarchaeocrinus wachsmuthi* (Oehlert, 1887). Le Menn, 1985, p. 37, Pl. 3, fig. 8; Fig. 13. Le Menn, 1987a, p. 218, Pl. 1, fig. 4. Webster, 1988, p. 115. Webster, 1993,

p. 79. Wang, 1995, p. 344, Pl. 1, fig. 4; Fig. 1, no. 2.  
*Rhaphanocrinus? wachsmuthi* Oehlert, 1887, p. 68, Pl. 1, figs. 1-10, Unnum. Fig. Wachsmuth and Springer, 1897, p. 259. Bassler and Moodey, 1943, p. 661. Kirk, 1945a, p. 353. Le Menn, 1985, p. 37. Webster, 1988, p. 115.  
*Rhaphanocrinus? wachsmuthi* Oehlert, 1887. Webster, 1973, p. 143.  
*Griphocrinus wachsmuthi* (Oehlert, 1887). Kirk, 1945a, p. 353. Webster, 1973, p. 143. Le Menn, 1985, p. 37. Webster, 1988, p. 115.  
 Devonian, Eifelian - Gedinnian, Saint-Cenere Formation. France, Armorican Massif

**NEOCAMPTOCRINUS** Willink, 1980. \**N. bundanoonensis* Willink, 1980.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Willink, 1980a, p. 18. Broadhead, 1981, p. 145. Webster, 1986, p. 214. Webster, 1988, p. 115. Webster, 1990, p. 54. Webster and Jell, 1992, p. 320. Webster, 1993, p. 79. Webster and Jell, 1999b, p. 288.

Named, currently recognized species based on cups or crowns: 8 Permian species, 1 Sakmarian, 4 Artinskian, 1 Kazanian, 1 Guadalupian, 1 Wuchiapingian Permian, Sakmarian-Wuchiapingian. Australia Permian, series uncertain. West Timor

*Neocamptocrinus barrabiddyensis* Webster and Jell, 1992, p. 320, Fig. 2, nos. A-C. Permian, Artinskian, Bulgadoo Shale. Australia, Western Australia, Carnarvon Basin

\**Neocamptocrinus bundanoonensis* Willink, 1980a, p. 20, Pl. 1, figs. 1-4; Figs. 4-5; 6, no. A. Webster, 1986, p. 214.  
 Permian, Kazanian, Broughton formation, Westley Park Sandstone Member. Australia, New South Wales

*Neocamptocrinus catherinensis* Webster and Jell, 1999b, p. 290, Fig. 1, nos. C-D. Permian, Guadalupian, Catherine Sandstone. Australia, Queensland

*Neocamptocrinus? gremialis* Willink, 1980a, p. 27, Pl. 3, figs. 5-8; Fig. 6, no. C. Webster, 1986, p. 214.  
 Permian, late Artinskian, Wandrawandian Siltstone. Australia, New South Wales

*Neocamptocrinus millerensis* Willink, 1980a, p. 27, Pl. 1, figs. 5-10; Figs. 6, no. D; 8. Webster, 1986, p. 214.  
 Permian, Sakmarian, Golden Valley Group. Australia, Tasmania

*Neocamptocrinus millyitensis* Webster and Jell, 1992, p. 320, Fig. 3, nos. A-L.  
*Neocamptocrinus* sp. nov. Webster, 1990, p. 57, Pl. 1, figs. 7-11. Webster, 1993, p. 79. Webster and Jell, 1999b, p. 290, Figs. 2-4.  
 Permian, Wuchiapingian, Liveringa Group, Hardman Formation, Cherrabun Member. Australia, Western Australia, Canning Basin

*Neocamptocrinus occidentalis* Webster, 1990, p. 54, Pl. 1, figs. 1-6, 12-14. Webster, 1993, p. 79.

Permian, Artinskian, Cundlego Formation. Australia, Western Australia

*Neocamptocrinus wardenensis* Willink, 1980a, p. 21, Pls. 2, figs. 1-11; 3, figs. 1-4; Figs. 6, no. B; 7. Webster, 1986, p. 214.

Permian, late Artinskian, Wandrawandian Siltstone. Australia, New South Wales

*Neocamptocrinus* sp. indet. Willink, 1980a, p. 33, Pl. 4, figs. 17-26. Webster, 1986, p. 214.

Permian, late Artinskian, Crinoidal Biozone. Australia, Tasmania

*Neocamptocrinus* sp. nov. Webster, 1990 = *Neocamptocrinus millyitensis*

*Neocamptocrinus* sp. nov. Webster and Jell, 1999b, p. 292, Fig. 5, no. D.

Permian, latest Artinskian or earliest Rhodian, Condamine Beds. Australia, Queensland

*Neocamptocrinus?* sp. Webster and Jell, 1999b, p. 292, Fig. 5, nos. A-C.

Permian, Artinskian, Callytharra Formation. Australia, Western Australia

**NEOCATACRINUS** Knapp, 1969. \**Paradelocrinus protensus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Paradelocrinidae

Knapp, 1969, p. 366, Fig. 3. Webster, 1977, p. 116. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709. Pabian and Strimple, 1980a, p. 177. Webster, 1986, p. 213.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States

\**Neocatacrinus protensus* (Moore and Plummer, 1940). Knapp, 1969, p. 366, Fig. 2. Webster, 1977, p. 116. Kendrick, 2007, p. 346, Fig. 9, no. D.

*Paradelocrinus protensus* Moore and Plummer, 1940, p. 324, Pl. 16, fig. 6; Fig. 66;. Bassler and Moodey, 1943, p. 588. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 23. Strimple, 1960b, p. 154, Fig. 2, no. C. Knapp, 1969, p. 366. Pabian and Strimple, 1974a, p. 261, Pl. 36, figs. 1-3. Webster, 1977, p. 116. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T710, Fig. 467, no. 1. Pabian and Strimple, 1980a, p. 178, Fig. 8, nos. P-Q. Webster, 1986, p. 214.

Pennsylvanian, Missourian, Graford Formation; Argentine Limestone; Plattsburg Formation, Meadow Limestone Member. United States, Texas, Nebraska, Iowa

*Neocatacrinus* sp. cf. *N. protensus* (Moore and Plummer, 1940). Pabian and Strimple, 1980b, p. 11, Pl. 3, figs. 4-5. Webster, 1986, p. 215.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone; Deer Creek Formation, Ervine Creek Limestone Member; Cass Formation, Shoemaker Limestone Member. United States, Nebraska

**NEOCATILLOCRINUS** Wanner, 1937. \**N. incisus* Wanner, 1937.



Sbc. Disparida, Spf. Allagecrinoidea, F. Catilloocrinidae

Wanner, 1937, p. 109. Bassler, 1938, p. 137. Moore, 1940b, p. 90. Bassler and Moodey, 1943, p. 571. Moore and Laudon, 1943b, p. 31. Branson, C. C., 1948, p. 201. Ubaghs, 1953, p. 747, Figs. 11, no. g; 140, no. H. Moore, 1962b, p. 16, Fig. 12, no. 7. Arendt and Hecker, 1964, p. 81. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 180. Webster, 1977, p. 116. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 334, no. 7. Webster, 1986, p. 215.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Neocatillocrinus incisus* Wanner, 1937, p. 112, Pl. 14, figs. 10-13; Fig. 28. Bassler, 1938, p. 137. Marez Oyens, 1940, p. 317, Pl. 3, fig. 7. Moore, 1940b, p. 106, Fig. 8. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Ubaghs *in* Moore and Teichert, 1978, p. T111, Fig. 84, no. 3. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 337, no. 4. Webster, 1986, p. 215.

Permian, series uncertain. West Timor, Basleo, Toeboe Lopo

**NEODICHOCRINUS** Wanner, 1937. \**N. nanus* Wanner, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Wanner, 1937, p. 84. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 571. Moore and Laudon, 1943b, p. 96. Branson, C. C., 1948, p. 202. Ubaghs, 1953, p. 740. Arendt and Hecker, 1964, p. 97. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 180. Webster, 1977, p. 116. Lane *in* Moore and Teichert, 1978, p. T477. Broadhead, 1981, p. 145. Webster, 1986, p. 215. Webster, 1988, p. 115.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Neodichocrinus nanus* Wanner, 1937, p. 84, Pl. 7, figs. 8-10. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Ubaghs *in* Moore and Teichert, 1978, p. T178, Fig. 418, no. 1. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 3. Webster, 1986, p. 215.

Permian, series uncertain. West Timor, Basleo

**NEOLAGENIOCRINUS** Arendt, 1970. \**N. shichanensis* Arendt, 1970.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae  
Arendt, 1970a, p. 162. Webster, 1977, p. 116. Lane and Moore *in* Moore and Teichert, 1978, p. T606. Lane and Sevastopulo, 1982a, p. 108. Webster, 1986, p. 215. Webster, 1988, p. 115. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 79.

Named, currently recognized species based on cups or crowns: 4 species. 1 Mississippian, Viséan; 1 Pennsylvanian, Desmoinesian; 2 Permian, 1 Artinskian, 1 series uncertain

Pennsylvanian, Desmoinesian. United States

Permian, late Artinskian. Russia  
Permian series uncertain. West Timor

*Neolageniocrinus? cassidus* (Weller, 1930). Arendt, 1970a, p. 162. Webster, 1977, p. 116. Lane and Sevastopulo, 1982a, p. 108, Pl. 2, figs. 1-8; Figs. 1, nos. C-D. Webster, 1988, p. 115.

*Lageniocrinus cassidus* Weller, 1930, p. 32, Pl. 2, figs. 6a-6b; Fig. 5. Bassler and Moodey, 1943, p. 529. Arendt, 1970a, p. 162. Webster, 1977, p. 116. Lane and Sevastopulo, 1982a, p. 108.

Pennsylvanian, Desmoinesian, Perth Limestone. United States, Indiana

*Neolageniocrinus jacksoni* Austin and Austin, 1843. Sevastopulo, 2002, p. 12, Fig. 5, nos. a-b.

Mississippian, Viséan (Brigantian). Ireland, County Kilkenny

\**Neolageniocrinus shichanensis* Arendt, 1970a, p. 162, Pl. 10, figs. 1-9; Figs. 43, 50, no. a. Webster, 1977, p. 116. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 392, no. 1. Webster, 1986, p. 215.

Permian, late Artinskian, Kladokhonusoviy Limestone. Russia, Priurals

*Neolageniocrinus Timorensis* (Wanner, 1920). Arendt, 1970a, p. 162, Fig. 42. Webster, 1977, p. 116.

*Lageniocrinus seminulum* var. *Timorensis* Wanner, 1920, p. 23, Figs. 2, 4. Bassler and Moodey, 1943, p. 529. Arendt, 1970a, p. 162. Webster, 1977, p. 116.

*Lageniocrinus seminulum Timorensis* Wanner, 1920. Wanner, 1924, p. 162, Pl. 8, figs. 20-21. Branson, C. C., 1948, p. 215.

*Synbathocrinus Timorensis* (Wanner, 1920). Branson, C. C., 1948, p. 215.

*Lageniocrinus Timorensis* Wanner, 1920. Wanner, 1930, p. 13, Pl. 1, figs. 19, 20; Fig. 8. Bassler and Moodey, 1943, p. 529.

*Taidocrinus? Timorensis* (Wanner, 1920). Branson, C. C., 1948, p. 215.

Permian, series uncertain. West Timor, Basleo

**NEOPLATYCRINUS** Wanner, 1916. \**N. dilatatus* Wanner, 1916.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinidae

Wanner, 1916, p. 32. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 571.

Moore and Laudon, 1943b, p. 101. Branson, C. C., 1948, p. 202. Ubaghs, 1953,

p. 743. Arendt and Hecker, 1964, p. 98. Webster, 1973, p. 181. Lane *in* Moore and Teichert, 1978, p. T515. Webster, 1986, p. 215. Webster, 1993, p. 79.

Ausich and Kammer, 2009, p. 707.

Named, currently recognized species based on cups or crowns: 5 Permian species, 1 late Sakmarian or early Artinskian, 1 Artinskian, 3 series uncertain

Permian, series uncertain. West Timor

Permian, late Sakmarian - Artinskian. Australia, Western Australia

*Neoplatycrinus callytharraensis* Webster and Jell, 1992, p. 324, Fig. 4. Ausich and Kammer, 2009, p. 707.

*Neoplatycrinus* aff. *N. somoholensis* Wanner, 1916. Webster, 1987, p. 100, Fig. 4, nos. A-O. Webster and Jell, 1992, p. 324. Webster, 1993, p. 79.

*Pleurocrinus?* sp. Webster, 1987, p. 101, Fig. 4, nos. P-Q. Webster, 1993, p. 96. Webster and Jell, 1992, p. 324.

Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin

\**Neoplatycrinus dilatatus* Wanner, 1916, p. 33, Pl. 98 (3), figs. 13-23. Wanner, 1937, p. 76, Pls. 6, figs. 39-47; 7, fig. 1; 8, fig. 15: Figs. 1-12. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Breimer, 1962a, p. 136, Figs. 32-33. Webster, 1973, p. 181. Haugh, 1978, p. 68, Fig. 17, no. F. Ubaghs in Moore and Teichert, 1978, p. T179, Fig. 150, nos. 1-7. Lane in Moore and Teichert, 1978, p. T515, Fig. 317, no. 2. Webster, 1986, p. 215. Webster, 1993, p. 79. Ausich and Kammer, 2009, p. 707. Webster and

Donovan,

2012c, p. 157. Fig. 2, nos. D-H.

*Neoplatycrinus dilatus* Wanner, 1916. Bowsher and Strimple, 1986, p. 8, Fig. 25, nos. a-c.

*Neoplatycrinus major* Wanner, 1916, p. 39, Pl. 99 (4), figs. 1-5. Wanner, 1924, p. 77,

Pls. 2, figs. 9-10; Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Webster and Donovan, 2012c, p. 158, Fig. 2, nos. A-C.

Permian, series uncertain. West Timor, Basleo, Noil Tonini

*Neoplatycrinus dilatus* Wanner, 1916 = *Neoplatycrinus dilatatus*

*Neoplatycrinus major* Wanner, 1916 = *Neoplatycrinus dilatatus*

*Neoplatycrinus miamiaensis* Webster and Jell, 1992, p. 325, Fig. 5. Ausich and Kammer, 2009, p. 707.

Permian, Artinskian, Coyrie Formation; Noonkanbah Formation. Australia, Western Australia, Carnarvon and Canning Basins

*Neoplatycrinus somoholensis* Wanner, 1916, p. 42, Pl. 99 (4), fig. 6. Wanner, 1924, p. 77, Pl. 3, figs. 2-6. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Meyer, D. L., 1965, p. 1207, Fig. 1, no. G. Webster, 1973, p. 18. Ausich and Kammer, 2009, p. 707.

Permian, series uncertain. West Timor, Somohole, near Soefa

*Neoplatycrinus* aff. *N. somoholensis* Wanner, 1916 = *Neoplatycrinus callytharraensis*

*Neoplatycrinus transitorius* Wanner, 1916, p. 43, Pl. 99 (4), fig. 7. Bassler and Moodey, 1943, p. 571. Branson, C. C., 1948, p. 202. Ausich and Kammer, 2009, p. 707.

Permian, series uncertain: West Timor, Fatu Tonini

*Neoplatycrinus* sp. Meyer, D. L., Fig. 1, no. H (typographical error as *Neoplatycrinite* sp.). Webster, 1973, p. 181.

Permian, series uncertain. West Timor

**NEOPROTENCRINUS** Knapp, 1969. \**Paradelocrinus subplanus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Protencrinidae

Knapp, 1969, p. 354, Fig. 1. Strimple and Moore, 1971a, p. 9. Strimple and Moore, 1971b, p. 11. Webster, 1977, p. 117. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T715. Pabian and Strimple, 1980a, p. 178. Webster, 1986, p. 216. Webster and Kues, 2006, p. 17.

**CRICOCRINUS** Strimple and Watkins, 1969, p. 181 (\**Paradelocrinus regulatus* Strimple, 1949). Webster, 1977, p. 117. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T715. Webster, 1986, p. 106.

Named, currently recognized species based on cups or crowns: 9 Pennsylvanian species, 5 Atokan, 3 Desmoinesian, 1 Missourian  
Pennsylvanian, Atokan - Missourian; United States

*Neoprotencrinus brachiatus* (Moore and Plummer, 1940). Strimple and Moore, 1973b, p. 11, Fig. 7, nos. 2-3. Webster, 1977, p. 117. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T715, Fig. 472, no. 2e. Webster, 1986, p. 216.

*Paradelocrinus brachiatus* Moore and Plummer, 1940, p. 318, Pls. 15, fig. 6; 16, fig. 1; 17, fig. 3; Fig. 64. Bassler and Moodey, 1943, p. 587. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 34; 65, fig. 25. Knapp, 1969, p. 353. Webster, 1973, p. 191. Webster, 1977, p. 147. Finsley, 1989, p. 97, Fig. 26.

*Protencrinus brachiatus* (Moore and Plummer, 1940). Knapp, 1969, p. 353. Webster, 1977, p. 147.

Pennsylvanian, Desmoinesian, Millsap Lake Formation. United States, Texas

*Neoprotencrinus cranei* (Strimple, 1949). Knapp, 1969, p. 354. Webster, 1977, p. 117.

*Paradelocrinus cranei* Strimple, 1949d, p. 6, Pl. 1, figs. 1-3, 7. Knapp, 1969, p. 354. Webster, 1973, p. 192. Webster, 1977, p. 117.

Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma

*Neoprotencrinus disculus* (Strimple, 1949). Knapp, 1969, p. 354. Webster, 1977, p. 117.

*Paradelocrinus disculus* Strimple, 1949d, p. 7, Pl. 3, figs. 15-16. Knapp, 1969, p. 354. Webster, 1973, p. 192.

*Cricocrinus disculus* (Strimple, 1949). Strimple and Watkins 1969, p. 181. Webster, 1977, p. 117.

Pennsylvanian, Atokan, Otterville Limestone. United States, Oklahoma

*Neoprotencrinus gutschicki* Webster and Kues, 2006, p. 17, Figs. 6.4-6.6, 6.18-6.20, 6.33-6.34.

Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico

- Neoprotencrinus johnstonensis* (Strimple, 1961). Webster, 1977, p. 117.  
*Paradelocrinus johnstonensis* Strimple, 1961d, p. 226, Pl. 1, figs. 4-6, 10-12.  
 Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 192. Webster, 1977, p. 117.  
*Cricocrinus johnstonensis* (Strimple, 1961). Strimple and Watkins, 1969, p. 181.  
 Webster, 1977, p. 117.  
 Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma
- Neoprotencrinus regularis* (Strimple, 1949) = *Neoprotencrinus regulatus*
- Neoprotencrinus regulatus* (Strimple, 1949). Knapp, 1969, p. 354. Webster, 1977, p. 117. Webster, 1986, p. 216.  
*Paradelocrinus regulatus* Strimple, 1949d, p. 7, Pls. 1, figs. 13, 15, 17; 2, figs. 2, 5.  
 Knapp, 1969, p. 354. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 192. Webster, 1977, p. 117.  
*Cricocrinus regulatus* (Strimple, 1949). Strimple and Watkins, 1969, p. 181.  
 Webster, 1977, p. 117. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T684, Fig. 451, no. 2. Webster, 1986, p. 106.  
*Neoprotencrinus regularis* (Strimple, 1949). Pabian and Strimple, 1978a, p. 53, Fig. 1, nos. R-T.  
 Pennsylvanian, Atokan, Pumpkin Creek Limestone. United States, Oklahoma
- Neoprotencrinus rockensis* Webster and Houck, 1998, p. 1065, Figs. 4.21-4.23.  
 Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado
- \**Neoprotencrinus subplanus* (Moore and Plummer, 1940). Knapp, 1969, p. 354, Fig. 7. Webster, 1977, p. 117. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T715, Fig. 472, nos. 2a-2d. Webster, 1986, p. 216. Webster and Kues, 2006, p. 17, Figs. 6.27-6.30, 6.35-6.36.  
*Paradelocrinus subplanus* Moore and Plummer, 1940, p. 321, Pl. 16, figs. 4-5; Fig. 65. Bassler and Moodey, 1943, p. 588. Strimple, 1962e, p. 21, Pls. 3, figs. 16-17; 6, figs. 1-2; 8, fig. 1. Knapp, 1969, p. 354. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 192. Webster, 1977, p. 117.  
*Cricocrinus subplanus* (Moore and Plummer, 1940). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 117.  
*Erisocrinus typus* Meek and Worthen; Bowsher and Strimple, 1986, p. 16, Figs. 42, nos. a-i; 61, nos. a-f. Webster and Kues, 2006, p. 17.  
 Pennsylvanian, Missourian, Millsap Lake Formation, Brannon Bridge Limestone Member; Mineral Wells Shale; Graford Formation; Oologah Limestone. United States, Texas, Oklahoma  
 Pennsylvanian, late Desmoinesian, Gobbler Formation, Bug Scuffle Member. United States, New Mexico
- Neoprotencrinus* sp. cf. \**N. subplanus* (Moore and Plummer, 1940). Pabian and Strimple, 1980a, p. 178, Fig. 8, nos. G-I. Webster, 1986, p. 216.  
 Pennsylvanian, Missourian, Argentine Limestone. United States, Iowa
- Neoprotencrinus toddanus* (Butts, 1898). Webster, 1977, p. 117.

*Erisocrinus toddanus* Butts, E., 1898, p. 14, Unnum. Pl. Bassler and Moodey, 1943, p. 588. Webster, 1977, p. 117.

*Paradelocrinus? toddanus* (Butts, 1898). Moore and Plummer, 1940, p. 152. Bassler and Moodey, 1943, p. 588. Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 118.

*Cricocrinus toddanus* (Butts, 1898). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 118.

Pennsylvanian, Missourian, Lane Shale. United States, Missouri

**NEOZEACRINUS** Wanner, 1937. \**N. peramplus* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinidae

Wanner, 1937, p. 144. Bassler, 1938, p. 138. Moore and Plummer, 1940, p. 161. Bassler and Moodey, 1943, p. 572. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 167, Pl. 52, fig. 13. Branson, C. C., 1948, p. 202. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 181. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748. Webster, 1986, p. 216.

Named, currently recognized species based on cups or crowns: 5 Permian species, 3 Wolfcampian, 2 series uncertain

Permian, middle Wolfcampian. United States

Permian, series uncertain. West Timor

*Neozeacrinus coronulus* Webster and Lane, 1967, p. 28, Pl. 7, fig. 4. Webster, 1973, p. 181.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Neozeacrinus kansasensis* (Weller, 1898) = *Plaxocrinus kansasensis* = *Schistocrinus kansasensis* = *Sciadiocrinus kansasensis*

\**Neozeacrinus peramplus* Wanner, 1937, p. 144, Pl. 10, figs. 2-5; Figs. 41-43. Bassler, 1938, p. 138. Marez Oyens, 1940, p. 330, Fig. 10. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 202. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 497, nos. 1d-1g. Webster, 1986, p. 216.

Permian, series uncertain. West Timor, Basleo, Soempeh

*Neozeacrinus praecursor* Moore and Plummer, 1940 = *Anobasicrinus praecursor*

*Neozeacrinus? springeri* Wanner, 1937, p. 149, Pl. 10, figs. 6-8. Marez Oyens, 1940a, p. 331, Pl. 4, fig. 1. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 202.

Permian, series uncertain. West Timor, Soempeh-Safneo, Toenioen

*Neozeacrinus uddeni* (Weller, 1909). Moore and Plummer, 1940, p. 162, Pl. 6, fig. 8; Fig. 28. Bassler and Moodey, 1943, p. 572. Moore and Laudon, 1944, p. 167, Pls. 62, fig. 15; 63, fig. 22. Branson, C. C., 1948, p. 202. Webster and Lane, 1967, p. 27. Webster, 1973, p. 181. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 497, nos. 1a-1b. Webster, 1986, p. 216.

*Hydreionocrinus uddeni* Weller, 1909, p. 624, Pl. 1, figs. 1-5. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 202.

*Plaxocrinus uddeni* (Weller, 1909). Strimple, 1961g, p. 47. Webster, 1973, p. 181. Permian, Wolfcampian, Cibolo Limestone. United States, Texas

*Neozeacrinus wanneri* Webster and Lane, 1967, p. 27, Pls. 7, fig. 3; 8, figs. 1-4; Fig. 4, nos. 4-5. Webster, 1973, p. 181.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

**NEREOCRINUS** Wanner, 1924. \**N. antiquus* Wanner, 1924.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Wanner, 1924, p. 127. Wanner, 1937, p. 124. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 572. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p.

202. Arendt and Hecker, 1964, p. 84. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 114. Webster, 1973, p. 181. Webster, 1977, p. 118. Lane and Moore  
*in*

Moore and Teichert, 1978, p. T599. Webster, 1986, p. 216.

**OCEANOCRINUS** Wanner, 1924, p. 131. \**O. granulatus* Wanner, 1924. Wanner, 1930, p. 8. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 203.

Named, currently recognized species based on cups or crowns: 3 Permian species, 1 Artinskian, 2 series uncertain

Permian, series uncertain. West Timor

Permian, Artinskian. Russia, Ural Mountains

\**Nereocrinus antiquus* Wanner, 1924a, p. 129, Pl. 7, figs. 12-15; Fig. 8. Wanner, 1924b,

p. 227, Pl. 4, figs. 13-14. Wanner, 1930, p. 6, Pl. 1, figs. 8-10; Figs. 2-4. Wanner, 1937, p. 125, Fig. 33. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 203. Arendt and Hecker, 1964, p. 84, Pl. 9, fig. 11; Fig. 125. Arendt, 1970a, p. 114, Fig. 18. Webster, 1973, p. 181. Webster, 1977, p. 118. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Fig. 387, no. 4. Webster, 1986, p. 217.

Permian, series uncertain. West Timor, Basleo

*Nereocrinus granulatus* (Wanner, 1924). Bassler and Moodey, 1943, p. 572.

*Oceanocrinus granulatus* Wanner, 1924, p. 131, Pl. 7, figs. 9-11; Fig. 9. Wanner, 1930, p. 8, Pl. 1, figs. 11-16. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 203.

Permian, series uncertain. West Timor, Basleo

*Nereocrinus jameljantzevi* Yakovlev, 1937a, p. 7, Pl. 1, fig. 1. Bassler and Moodey, 1943, p. 572. Branson, C. C., 1948, p. 203. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 55, Pl. 11, fig. 19. Arendt and Hecker, 1964, p. 84, Pl. 9, fig. 12. Arendt, 1970a, p. 115, Pl. 2, figs. 1-2; Fig. 19. Webster, 1973, p. 181. Webster, 1977, p. 118.

Permian, Artinskian, Sarga Horizon. Russia, Krasnoufimsk

**NEVADACRINUS** Lane and Webster, 1966. \**N. geniculatus* Lane and Webster, 1966. Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae

Lane and Webster, 1966, p. 15. Webster, 1973, p. 181. Strimple and Moore, 1971a, p. 39. Webster, 1977, p. 118. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 506, no. 5b; 507, no. 4b. Webster, 1986, p. 217.

Named, currently recognized species based on cups or crowns: 1 Permian, Wolfcampian species

Permian, middle Wolfcampian. United States

\**Nevadacrinus geniculatus* Lane and Webster, 1966, p. 16, Pl. 1, figs. 2, 4, 7; Figs. 3-5. Webster and Lane, 1967, p. 9, Fig. 2. Moore, Jeffords, and Miller, 1968a, p. 20, Pl. 4, fig. 6. Webster, 1973, p. 181. Ubaghs *in* Moore and Teichert, 1978, p. T64, Fig. 44, no. 5. Moore *in* Moore and Teichert, 1978, p. T804, Figs. 541, no. 4; 542, no. 1. Webster, 1986, p. 217.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Nevadacrinus* sp. Lane and Webster, 1967, p. 14, Fig. 5. Lane and Webster, 1973, p. 181.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

New Crinoid genus, aff. *Archaeocrinus* Steele and Sinclair, 1971, p. 3, Pl. 16, figs. 1-4, 12. Webster, 1977, p. 118.

Middle Ordovician. Canada, Ontario

New genus Ettensohn, 1984, p. 66, Fig. 1. Webster, 1988, p. 115.

Mississippian, Serpukhovian (Chesterian). United States

New Genus A Ausich and Kammer, 2006 = **MCOYCRINUS**

New Genus B Ausich and Kammer, 2006 = **CLITHEROECRINUS**

New genus C Ausich and Kammer, 2006 = **GLAMORGANOCRINUS**

New genus D Ausich and Kammer, 2006 = **MENDIPOCRINUS**

New genus and new species Cornwell and Cornwell, 1968, Pls. 1, fig. 4; 2, fig. 9 (inadunate). Webster, 1977, p. 181.

Pennsylvanian. United States, Iowa

New genus and species of crinoid Ettensohn and Chesnut, 1985, p. 350, Fig. 10, nos. j-k. Webster, 1988, p. 115.

Mississippian, Serpukhovian (Chesterian), Pennington Formation. United States, Kentucky



New taxon A Guensburg and Sprinkle, 2001, p. 131, Figs. 2; 3, no. B  
Ordovician, Tremadocian, Fillmore Formation. United States, Utah

New taxon C Guensburg and Sprinkle, 2001, p. 132, Fig. 3, no. A.  
Ordovician, Tremadocian, Garden City Formation. United States, Idaho

**NEXOCCRINUS** Eckert, 1984. \**N. delicatulus* Eckert, 1984.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Eckert, 1984, p. 18. Webster, 1988, p. 115. Jell, 1999a, p. 19.

Named, currently recognized species based on cups or crowns: 2 Silurian species, 1  
Llandoveryan, 1 Ludlovian

Silurian, early Llandoveryan. Canada

Silurian, late Ludlovian. Australia, Victoria

\**Nexocrinus delicatulus* Eckert, 1984, p. 18, Pl. 3, figs. 2-5; Fig. 8. Webster, 1988, p.  
115.

Silurian, early Llandoveryan, Whirlpool Formation; Cabot Head Formation.  
Canada, Ontario

*Nexocrinus wallanensis* Jell, 1999a, p. 20, Fig. 13, nos. A-C.

Silurian, late Ludlovian, Humevale Formation. Australia, Victoria

*Nexocrinus* sp. Jell, 1999a, p. 20, Fig. 14, nos. A-B.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

Nipterocrinidae n. gen., n. sp. Clement and Broadhead, 1994, p. 47.

Silurian, Pridolian, Decatur Limestone. United States, Tennessee

**NIPTEROCRINUS** Wachsmuth *in* Meek and Worthen, 1868. \**N. wachsmuthi* Meek and  
Worthen, 1868.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Nipterocrinidae

Wachsmuth *in* Meek and Worthen, 1868b, p. 341. Meek and Worthen, 1873, p.  
434. Wachsmuth and Springer, 1880 (1879), p. 55 (272). Zittel, 1880, p. 343,  
352. Miller, S. A., 1889, p. 262. Miller, S. A., 1892a, p. 680. Bather *in* Lankester,  
1900, p. 188. Springer, 1902, p. 95. Springer, 1906, p. 519. Springer *in* Zittel,  
1913, p. 204. Springer, 1920a, p. 201, Fig. 21. Bassler, 1938, p. 138. Bassler  
and Moodey, 1943, p. 573. Moore and Laudon, 1943b, p. 74, Fig. 11. Moore and  
Laudon, 1944, p. 181, Pl. 66, fig. 5. Ubaghs, 1953, p. 756. Arendt and Hecker,  
1964, p. 94. Webster, 1973, p. 181. Moore *in* Moore and Teichert, 1978, p.

T779,

Figs. 506, no. 19. Webster, 1986, p. 217. Ausich, 1988, p. 913, Fig. 2, no. 16.

Webster, 1988, p. 115. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p.  
79.

Named, currently recognized species based on cups or crowns: 3 Mississippian  
species, 1 Tournaisian – Viséan, 2 Viséan

Mississippian, Tournaisian - Viséan (late Kinderhookian – Osagean). North America

*Nipterocrinus arboreus* Worthen in Meek and Worthen, 1873, p. 436, Pl. 4, fig. 8.

Miller,

S. A., 1889, p. 262. Weller, S., 1898c, p. 377. Springer, 1920a, p. 203, Pl. 15, figs. 9-10. Bassler and Moodey, 1943, p. 573. Moore in Moore and Teichert, 1978, p. T779, Fig. 520, no. 3a. Ausich and Lane, 1982b, p. 1353. Webster, 1986, p. 217. Webster, 1988, p. 115.

Mississippian, Viséan (late Osagean), lower part of Burlington Limestone. United States, Iowa

*Nipterocrinus monroensis* Ausich and Lane, 1982b, p. 1352, Pl. 1, figs. 2-4, 7-8, 12.

Webster, 1988, p. 115. Ausich and Meyer, 1992, p. 829, Figs. 1.7-1.9.

Mississippian, Viséan (late Osagean), Edwardsville Formation, Fort Payne Formation. United States, Indiana, Kentucky

\**Nipterocrinus wachsmuthi* Meek and Worthen, 1868b, p. 342. Meek and Worthen, 1873, p. 435, Pl. 2, fig. 4. Miller, S. A., 1889, p. 262. Weller, S., 1898c, p. 377. Springer, 1906, Pl. 6, fig. 18. Springer, 1920a, p. 203, Pl. 15, figs. 1-8. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 573. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 1. Moore and Laudon, 1944, p. 181, Pl. 69, fig. 2. Laudon, Parks, and Spreng, 1952, p. 559, Pl. 66, figs. 5-7. Webster, 1973, p. 181. Moore in Moore and Teichert, 1978, p. T779, Figs. 519, no. 2; 520, no. 3b-3c. Ausich and Lane, 1982b, p. 1353. Webster, 1986, p. 217. Webster, 1988, p. 116.

Mississippian, Tournaisian – Viséan (late Kinderhookian – Osagean), Banff Formation; lower part of Burlington Limestone. Canada, Alberta; United States, Iowa

**NOTIOCATILLOCRINUS** Willink, 1978. \**N. oakiensis* Willink, 1978.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catilloocrinidae

Willink, 1978, p. 86, Figs. 4, 16. Webster, 1986, p. 217. Webster, 1987, p. 108.

Webster, 1993, p. 80.

**TAUCATILLOCRINUS** Willink, 1978, p. 92, Figs. 4, 16. \**T. cephalonus* Willink, 1978. Webster, 1986, p. 299. Webster, 1987, p. 108. Webster, 1993, p. 80.

Named, currently recognized species based on cups or crowns: 5 Permian species, 2 late Sakmarian or early Artinskian, 3 Artinskian

Early Permian, late Sakmarian - Artinskian. Australia

*Notiocatillocrinus callytharraensis* Webster, 1987, p. 109, Figs. 7, nos. A-D; 8, nos. A-J.

Webster and Jell, 1992, p. 333, Fig. 14, no. E. Teichert and Webster, 1993, p. 3, Pl. 65, figs. 24-27. Webster, 1993, p. 80.

Permian, late Sakmarian or early Artinskian, Callytharra Limestone. Australia, Western Australia, Carnarvon Basin

*Notiocatillocrinus cephalonus* (Willink, 1978). Webster, 1987, p. 109. Webster, 1993, p. 80.

*Taucatillocrinus cephalonus* Willink, 1978, p. 93, Figs. 9-12; 14, nos. g-j; Tab. 2.

Webster, 1986, p. 299. Webster, 1987, p. 109. Webster, 1993, p. 80.

Early Permian, late Artinskian, lower part of Wandrawandian Siltstone. Australia, New South Wales

*Notiocatillocrinus giganteus* (Willink, 1978). Webster, 1987, p. 109. Webster, 1993, p. 80.

*Taucatillocrinus? giganteus* Willink, 1978, p. 96, Fig. 13, Tab. 2. Webster, 1986, p. 299. Webster, 1987, p. 109. Webster, 1993, p. 80.

Early Permian, late Artinskian, lower part of Wandrawandian Siltstone. Australia, New South Wales

*Notiocatillocrinus nerimberae* (McKellar, 1969). Willink, 1978, p. 89, Figs. 7-8; Tab. 1. Webster, 1986, p. 218. Webster, 1987, p. 109. Webster, 1993, p. 80.

*Catillocrinus nerimberae* McKellar, 1969, p. 26, Pl. 6, figs. 1-7. Webster, 1977, p. 53. Willink, 1978, p. 89. Webster, 1986, p. 218.

Permian, Artinskian. Australia, Queensland

\**Notiocatillocrinus oakensis* Willink, 1978, p. 89, Figs. 5-6; 14, nos. a-f; Tab. 1.

Webster, 1986, p. 217. Webster, 1987, p. 109. Webster, 1993, p. 80.

Permian, late Sakmarian - early Artinskian. Australia, New South Wales

**NOTIOCRINUS** Wanner, 1924. \**N. West Timoricus* Wanner, 1924.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. West Timorechinidae

Wanner, 1924, p. 181. Bassler, 1938, p. 138. Bassler and Moodey, 1943, p. 573.

Moore and Laudon, 1943b, p. 59. Branson, C. C., 1948, p. 203. Webster, 1973, p. 182. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754.

Webster, 1986, p. 218. Webster and Maples, 2006, p. 193, Fig. 4, no. E.

Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain

Permian, series uncertain. West Timor

*Notiocrinus ekadensis* Wanner, 1924, p. 283, Pl. 12, figs. 15-17; Fig. 54. Bassler and Moodey, 1943, p. 573. Branson, C. C., 1948, p. 203.

Permian, series uncertain. West Timor, Noil Ekad

\**Notiocrinus West Timoricus* Wanner, 1924, p. 282, Pl. 12, figs. 18-20; Fig. 53. Bassler, 1938, p. 139. Marez Oyens, 1940a, p. 342, Pl. 4, fig. 8. Bassler and Moodey, 1943, p.

573. Branson, C. C., 1948, p. 203. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754, Fig. 499, no. 3. Webster, 1986, p. 218.

Permian, series uncertain. West Timor, Basleo

Nov. genus? Haude, 1992, p. 171.

Late Silurian. Germany, Czech Republic, Spain

Nov. gen.? sp. 1, aff. "*S. zenonis*" Waagen and Jahn, 1899. Haude, 1992, p. 171, Pls. 2, fig. N; 5, Figs. A-B; Fig. 12.

*Scyphocrinus excavatus* Schlotheim sp. p., var. *zenonis* Waagen and Jahn -  
 Waagen and Jahn, 1899, p. 80, Pls. 40, fig. 7; 43, fig. 1. Haude, 1992, p. 171.  
*Scyphocrinites elegans* Zenker, 1833 - Prokop and Petr, 1986, p. 203 (part), Pl. 3,  
 fig. 1. Haude, 1992, p. 171.  
 Late Silurian, Pridoli. Czech Republic, Bohemia?; Pyrenees?

Nov. gen.? sp. 2, aff. "*S.*" *zenonis* Waagen and Jahn, 1899. Haude, 1992, p. 171, Pls.  
 5, figs. C-J; 7, figs. E-N: Fig. 13, nos. A-D.

*Scyphocrinus excavatus* Schlotheim sp. p., var. *zenonis* Waagen and Jahn -  
 Waagen and Jahn, 1899, p. 80, Pls. 40, fig. 7; 43, fig. 1. Haude, 1992, p. 172.  
 "*Camarocrinus*" Beyer, 1952, p. 5. Haude, 1992, p. 172.  
*Scyphocrinus elegans* Zenker - Beyer, 1952, p. 5 (part). Haude, 1992, p. 172.  
*Scyphocrinites elegans* Zenker, 1833 - Prokop and Petr, 1986 (part), p. 203, Pl. 3,  
 fig. 1. Haude, 1992, p. 172.  
 Late Silurian, ?Highest Pridoli (boundary between Pridoli and Lochkovian).  
 Germany; ?Czech Republic

**NOWRACRINUS** Willink, 1979. \**Tribrachiocrinus ornatus* Etheridge, 1892.  
 Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Tribrachyocrinidae  
 Willink, 1979a, p. 119, Fig. 4, nos. b-c. Webster, 1986, p. 218.  
 Named, currently recognized species based on cups or crowns: 1 Permian species,  
 Artinskian - Kazanian  
 Early - Late Permian. Australia, New South Wales

\**Nowracrinus ornatus* (Etheridge, 1892). Willink, 1979a, p. 124, Figs. 3, nos. a-g; 4,  
 no. a; 5, no. b; 6, nos. a-f; Tab. 1. Webster, 1986, p. 218. Webster and Jell,  
 1999b, p. 332, Figs. 32-33.  
*Tribrachiocrinus ornatus* Etheridge, 1892, p. 94, Pl. 19. Bassler and Moodey, 1943,  
 p. 715. Branson, C. C., 1948, p. 219. Willink, 1979a, p. 124. Webster, 1986, p.  
 218.  
*Tribrachyocrinus ornatus* (Etheridge, 1892). Branson, C. C., 1948, p. 219.  
 Early - Late Permian, Artinskian - Kazanian, Kansas Beds; lower part of  
 Wandrawandian Siltstone; Nowra Sandstone; Gerringong Volcanics, Berry  
 Formation. Australia, Tasmania, New South Wales

**NUDALOCRINUS** Webster et al., 2003. \**Culmicrinus jeffersonensis* Laudon and  
 Severson, 1953.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F.  
 Corematocrinidae  
 Webster, et al., 2003, p. 24, Fig. 14.3.  
 Named, currently recognized species based on cups or crowns: 1 Mississippian,  
 Tournaisian species  
 Mississippian, Tournaisian (Kinderhookian). United States, Montana

\**Nudalocrinus jeffersonensis* (Laudon and Severson, 1953). Webster et al., 2003, p.  
 24, Fig. 14.4.  
*Culmicrinus jeffersonensis* Laudon and Severson, 1953, p. 515, Pls. 51, figs. 29-30;  
 55, fig. 1. Webster 1973, p. 91. Webster et al., 2003, p. 24.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation. United States, Montana

**NUMMICRINUS** Frest and Strimple, 1978. \**Lecanocrinus brevis* Strimple, 1952.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.

Lecanocrinidae

Frest and Strimple, 1978c, p. 529, Fig. 2, no. A. Webster, 1986, p. 218. Webster, 1988, p. 116.

Named, currently recognized species based on cups or crowns: 5 species. 3

Silurian, Niagaran; 1 Silurian – Devonian, Niagaran – Lochkovian; 1 Devonian, Lochkovian

Silurian, Niagaran, - Devonian, Gedinnian. United States

\**Nummicrinus brevis* (Strimple, 1952). Frest and Strimple, 1978c, p. 529. Webster, 1986, p. 218.

*Lecanocrinus brevis* Strimple, 1952f, p. 319, Figs. 13-17. Strimple, 1963d, p. 122, Pl.

9, figs. 1-2. Webster, 1973, p. 162. Frest and Strimple, 1978c, p. 529. Webster, 1986, p. 218.

Silurian, Niagaran Henryhouse Formation. United States, Oklahoma

*Nummicrinus papilloseous* (Strimple, 1954). Frest and Strimple, 1978c, p. 529.

Webster, 1986, p. 218.

*Lecanocrinus papilloseous* Strimple, 1954b, p. 281, figs. 1-4, 9-10. Strimple, 1963d, p. 121, Pl. 10, fig. 1. Webster, 1973, p. 163. Frest and Strimple, 1978c, p. 529.

Webster, 1986, p. 218.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Nummicrinus perdepressus* Frest and Strimple, 1978c, p. 530, Fig. 3. McIntosh,

1981b, p. 963. Webster, 1986, p. 218. Webster, 1988, p. 116.

Devonian, Lochkovian, Haragan Formation. United States, Oklahoma

*Nummicrinus pisiformis* (Roemer, 1860). Frest and Strimple, 1978c, p. 529. Webster,

1986, p. 219. Webster, 1988, p. 116.

*Poteriocrinus pisiformis* Roemer, C. F., 1860a, p. 54, Pl. 4, fig. 7. Shumard, 1868, p. 391. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 275. Bassler, 1915, p. 693.

Bassler and Moodey, 1943, p. 533. Webster, 1986, p. 219.

*Lecanocrinus pisiformis* (Roemer, 1860). Bassler, 1915, p. 693. Springer, 1920a, p. 135, Pl. 1, figs. 14-36. Springer, 1926a, p. 65, Pl. 20, figs. 6-12. Bassler and Moodey, 1943, p. 533. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 2. Amsden, 1949, p. 74, Pl. 12, figs. 18-20. Ubaghs, 1953, p. 756, Fig. 15, no. d. Webster,

1973, p. 163. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 4.

Strimple and Pareyn, 1982, p. 228. Brett, 1984, p. 103, Fig. 11, no. C. Webster,

1986, p. 219. Clement and Broadhead, 1994, p. 47.

*Arachnocrinus pisiformis* (Roemer, 1860). Meek and Worthen, 1866a, p. 177.

Wachsmuth and Springer, 1879, p. 94. Miller, S. A., 1889, p. 224, Fig. 248.

Bassler, 1915, p. 693.

*Cyathocrinus pisiformis* (Roemer, 1860). Whitfield, 1882a, p. 353. Bassler, 1915, p. 693.

*Lecanocrinus hemisphericus* Rowley, R. R., 1904d, p. 271, Pl. 14, figs. 17-19. Bassler, 1915, p. 692. Bassler and Moodey, 1943, p. 534.

Silurian - Devonian, Niagaran - Lochkovian, Beech River Formation; upper part of Decatur Limestone; Brownsport Formation; Rochester Shale; Racine Dolomite; Bainbridge Limestone; Lobelville Shale; Waldron Shale; Louisville Limestone; Laurel Limestone; Ross formation, lower part of Rockhouse Formation. United States, Tennessee, New York, Wisconsin, Missouri, Kentucky, Indiana

*Nummicrinus waucoma* (Hall, 1864) = *Nummicrinus waukoma*

*Nummicrinus waukoma* (Hall, 1864). Webster, 1986, p. 219.

*Cyathocrinus waukoma* Hall, 1864c, p. 324, Pl. 11, figs. 11-12. Hall, 1865a, p. 20, Pl.

2, figs. 11-12. Hall, 1867b, p. 324, Pl. 11, figs. 11-12. Shumard, 1868, p. 364. Bigsby, 1868, p. 19. Hall, 1870, p. 367, Pl. 11, figs. 11-12. Miller, S. A., 1889, p. 237. Bassler, 1915, p. 693. Bassler and Moodey, 1943, p. 534. Webster, 1986, p. 219.

*Lecanocrinus waukoma* (Hall, 1864). Weller, S., 1900, p. 148, Pl. 15, figs. 6-10 only. Bassler, 1915, p. 693. Springer, 1920a, p. 140, Pl. 3, figs. 20-25. Bassler and Moodey, 1943, p. 534. La Rocque and Marple, 1955, p. 73, Fig. 149. Webster, 1973, p. 163. Webster, 1986, p. 219.

*Nummicrinus waucoma* (Hall, 1864). Frest and Strimple, 1978c, p. 529.

*Lecanocrinus pusillus* Winchell and Marcy, 1865, p. 90. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 693. Bassler and Moodey, 1943, p. 534. Kahrs, 1995, p. 52, 2 Unnum. Figs.

Silurian, Niagaran, Racine Dolomite; Cedarville Limestone; Waldron Shale. United States, Wisconsin, Illinois, Ohio, Indiana

**NUNNACRINUS** Bowsher, 1955. \**N. mammillatus* Bowsher, 1955.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Bowsher, 1955, p. 17. Brower, 1970, p. 494. Webster, 1973, p. 182. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 118. Haugh, 1978, p. 163, Fig. 11, no. M. Bowsher *in* Moore and Teichert, 1978, p. T460. Webster, 1986, p. 219. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 116.

**NUNNICRINUS** Webster, 1993, p. 80.

Named, currently recognized species based on cups or crowns: 14 Mississippian species, 5 Tournaisian, 4 Tournaisian – Viséan, 5 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States Mississippian, Tournaisian. Belgium, Ireland

*Nunnacrinus armatus* (de Koninck and Le Hon, 1854). Bowsher, 1955b, p. 17. Webster, 1973, p. 182.

*Actinocrinus armatus* de Koninck and Le Hon, 1854, p. 138, Pl. 4, figs. 4a-c. Bowsher, 1955b, p. 21. Webster, 1973, p. 182.

*Actinocrinites armatus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 267.  
Mississippian, Tournaisian. Belgium

*Nunnacrinus delayanus* (Miller, 1881) = *Nunnacrinus dalyanus*

*Nunnacrinus dalyanus* (Miller, 1881).

*Actinocrinus dalyanus* Miller, S. A., 1881d, p. 309, Pl. 7, figs. 1-1a. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 156. Bassler and Moodey, 1943, p. 343.

*Actinocrinus delayanus* Miller, 1881. Bowsher, 1955b, p. 18. Webster, 1973, p. 182.

*Nunnacrinus delayanus* (Miller, 1881). Bowsher, 1955b, p. 18. Webster, 1973, p. 182.

Mississippian, Viséan (Osagean), Lake Valley Limestone. United States, New Mexico

*Nunnacrinus deornatus* (de Koninck and Le Hon, 1854). Bowsher, 1955b, p. 21. Webster, 1973, p. 182.

*Actinocrinus deornatus* de Koninck and Le Hon, 1854, p. 142, Pl. 3, figs. 5a-5b. Bassler and Moodey, 1943, p. 269. Bowsher, 1955b, p. 21. Webster, 1973, p. 182.

*Actinocrinites deornatus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 269.

Mississippian, Tournaisian, Mountain Limestone. Belgium, Ireland

*Nunnacrinus dorsatus* (de Koninck and Le Hon, 1854) = *lotacrinus dorsatus*

*Nunnacrinus foveatus* (Miller and Gurley, 1895). Bowsher, 1955b, p. 18. Webster, 1973, p. 182.

*Actinocrinus foveatus* Miller and Gurley, 1895b, p. 49, Pl. 2, figs. 25-26. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 269. Bowsher, 1955b, p. 18. Webster, 1973, p. 182.

*Actinocrinites foveatus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 269.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone. United States, Missouri

*Nunnacrinus jessieae* (Miller and Gurley, 1897). Bowsher, 1955b, p. 19. Webster, 1973, p. 182.

*Amphoracrinus jessieae* Miller and Gurley, 1896c, p. 21, Pl. 3, figs. 18-19. Miller, S. A., 1897, p. 734, Fig. 1294. Weller, S., 1898c, p. 83. Bassler and Moodey, 1943, p. 270.

*Actinocrinus jessieae* Miller and Gurley, 1896a, p. 32, Pl. 2, figs. 15-16. Miller, S. A., 1897, p. 731. Peck and Keyte, 1938, p. 82, Pls. 27, fig. 5; 28, figs. 4-5. Bassler and Moodey, 1943, p. 270, 278 (probably a Burlington *Cactocrinus*). Bowsher, 1955b, p. 19. Webster, 1973, p. 182.

*Actinocrinus jessieae* (Miller and Gurley, 1896). Weller, S., 1898c, p. 59 (sic).

- Actinocrinites jessieae* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 270. Branson, E. B., 1944, p. 210, Pl. 38, fig. 5. Webster, 1973, p. 36. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, Burlington Limestone. United States, Missouri
- Nunnacrinus locellus* (Hall, 1861). Bowsher, 1955b, p. 19, Pl. 3, fig. 4. Webster, 1973, p. 182.  
*Actinocrinus locellus* Hall, 1861b, p. 15. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Bassler and Moodey, 1943, p. 344. Bowsher, 1955b, p. 19. Webster, 1973, p. 182.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- \**Nunnacrinus mammillatus* Bowsher, 1955b, p. 19, Pls. 3, figs. 6-7; 6, figs. 2-3; Fig. 3, nos. A-D. Webster, 1973, p. 182. Bowsher *in* Moore and Teichert, 1978, p. T460, Fig. 267, no. 2. Webster, 1986, p. 219.  
 Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member. United States,
- Nunnacrinus olsoni* Ausich, 2003a, p. 140, Figs. 1.3-1.10.  
 Mississippian, Tournaisian (Kinderhookian), upper part of Fitchville Formation. United States, Utah
- Nunnacrinus pallubrum* (Miller and Gurley, 1896). Bowsher, 1955b, p. 20. Webster, 1973, p. 182.  
*Actinocrinus pallubrum* Miller and Gurley, 1896b, p. 26, Pl. 1, figs. 25-27. Weller, S., 1898c, p. 61. Bassler and Moodey, 1943, p. 272. Bowsher, 1955b, p. 20. Webster, 1973, p. 182.  
*Actinocrinites pallubrum* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 272.  
*Actinocrinus pollubrum* (Miller and Gurely, 1896). Miller, S. A., 1897, p. 731 (sic). Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone: United States, Missouri
- Nunnacrinus pettisensis* (Miller and Gurley, 1896). Bowsher, 1955b, p. 21. Webster, 1973, p. 182.  
*Actinocrinus pettisensis* Miller and Gurley, 1896c p. 6, Pl. 1, figs. 3-4. Miller, S. A., 1897, p. 731, Fig. 1279. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 272. Bowsher, 1955b, p. 21. Webster, 1973, p. 182.  
*Actinocrinites pettisensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 273.  
 Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Nunnacrinus puteatus* (Rowley and Hare, 1896). Bowsher, 1955b, p. 22. Webster, 1973, p. 182.  
*Actinocrinus puteatus* Rowley and Hare, 1891a, p. 101, Pl. 2, fig. 16. Miller, S. A., 1892a, p. 672. Weller, S., 1898c, p. 155. Bassler and Moodey, 1943, p. 342. Bowsher, 1955b, p. 22. Webster, 1973, p. 182.



Mississippian, Viséan (Osagean, lower part of Burlington Limestone. United States, Missouri

*Nunnacrinus rubra* (Weller, 1909). Bowsher, 1955b, p. 21. Webster, 1973, p. 182.

*Actinocrinus rubra* Weller, 1909a, p. 285, Pl. 11, figs. 4-5. Bowsher, 1955b, p. 21. Webster, 1973, p. 182.

*Actinocrinites rubra* (Weller, 1909). Bassler and Moodey, 1943, p. 273. Laudon, 1948, Pl. 3. Webster, 1973, p. 182.

*Actinocrinites ruber* (Weller, 1909). Moore and Laudon, 1944, p. 193, Pl. 76, fig. 2. Mississippian, Tournaisian (Osagean), Fern Glen Limestone; Lake Valley Limestone.

United States, Missouri, New Mexico

*Nunnacrinus sampsoni* (Miller and Gurley, 1896). Bowsher, 1955b, p. 21. Webster, 1973, p. 183.

*Actinocrinus sampsoni* Miller and Gurley, 1896c, p. 5, Pl. 1, figs. 1-2. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 62. Bassler and Moodey, 1943, p. 273. Bowsher, 1955b, p. 21. Webster, 1973, p. 183.

*Actinocrinites sampsoni* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 273.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone. United States, Missouri

*Nunnacrinus stellaris* (de Koninck and Le Hon, 1854). Bowsher, 1955b, p. 22. Webster, 1973, p. 183.

*Actinocrinus stellaris* de Koninck and Le Hon, 1854, p. 136, Pls. 3, figs. 3a-3b, 4a-4g; 4, fig. 3. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 248, Pl. 4, figs. 18a-18b. Pictet, 1857, p. 324, Pl. 101, Fig. 5. Dujardin and Hupé, 1862, p. 142. Quenstedt, 1876, p. 491, Pls. 107, fig. 119; 110, figs. 6-8. Roemer, C. R., 1876, Pl. 40, figs. 4a-4b. Lahusen, 1895, p. 151, Fig. 205, nos. a-b. Frech, 1902, Pl. 40, Figs. 4a-4b. Schmidt, W. E., 1930, p. 25. Bassler and Moodey, 1943, p. 274. Termier, G. and Termier, H., 1950, p. 84, Pls. 208, fig. 32; 212, figs. 7-8; 214, figs. 1-8, 14-16 (not *N. stellaris*, GDW). Bowsher, 1955b, p. 22. Webster, 1973, p. 37, 183.

*Actinocrinites stellaris* (de Koninck and Le Hon, 1854). Quenstedt, 1885, p. 955, Pl. 77, fig. 1; Fig. 360. (Incorrectly listed as *Actinocrinus stellaris* on plate explanation.) Bassler and Moodey, 1943, p. 274. Wright, J., 1955a, p. 217, Pls. 53, figs. 1-3; 54, fig. 17; 55, fig. 6; 56, fig. 16. Webster, 1973, p. 37. Macurda, 1974, p. 823, Figs. 1-2. Webster, 1986, p. 44.

*Nunnacrinus? stellaris* (de Koninck and Le Hon, 1854). Breimer, 162a, p. 78, Pl. 8, fig. 7. Webster, 1973, p. 183.

*Actinocrinus gilbertsoni* de Koninck and Le Hon, 1842-1844, p. 50, Pl. G, figs. 2a-2f. Roemer, C. F., 1851b, p. 248. Bassler and Moodey, 1943, p. 275. Mississippian, Tournaisian, Mountain Limestone. Belgium, United Kingdom, Scotland

*Nunnacrinus? stellaris* (de Koninck and Le Hon, 1854) = *Nunnacrinus stellaris*

*Nunnacrinus* sp. A Bowsher, 1955b, p. 21, Pl. 3, fig. 5. Webster, 1973, p. 183.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Nunnacrinus* spp.

Brower, 1970, p. 496, Pl. 64, figs. 1-5, 7-8, 11-12, 15; Fig. 81, nos. A-I. Webster, 1977, p. 118.

Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member,

Thunder Springs Member or Mooney Falls Member. United States, Arizona  
Priest, 1971, p. 94, Pl. 2, figs. 1a-1b. Webster, 1977, p. 118.

No age or local given

Kues, 1982, Unnum. Fig. p. 108, no. K. Webster, 1988, p. 116.

Mississippian. no locality data

**NUNNICRINUS** Webster, 1993 = **NUNNACRINUS**

**NUXOCRINUS** McIntosh, 1983. \**Homocrinus crassus* Whiteaves, 1887.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

McIntosh, 1983, p. 496. Webster, 1988, p. 116.

Named, currently recognized species based on cups or crowns: 3 Devonian species,  
1 Emsian, 1 Eifelian, 1 Givetian

Devonian, Eifelian - Givetian. North America

Devonian, Emsian. Germany

\**Nuxocrinus crassus* (Whiteaves, 1887). McIntosh, 1983, p. 496, Figs. 1-2, 3, nos. A-R. Webster, 1988, p. 116.

*Homocrinus crassus* Whiteaves, 1887, p. 95, Pl. 12. Miller, S. A., 1889, p. 255.

Bassler and Moodey, 1943, p. 337. McIntosh, 1983, p. 496.

*Botryocrinus crassus* (Whiteaves, 1887). Goldring, 1923, p. 365, Pl. 47, figs. 78.

Goldring, 1935b, p. 361, Pl. 27, fig. 3. Bassler and Moodey, 1943, p. 337. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 4. Moore and Laudon, 1944, p. 155, Pl. 57, fig. 23. Goldring, 1954, p. 24, Pl. 3, fig. 8-10. Webster, 1973, p. 69. McIntosh, 1983, p. 496.

*Botryocrinus cressus* (Whiteaves, 1887). Goldring, 1945, p. 63.

*Botryocrinus concinnus* Goldring, 1923, p. 369, Pl. 47, figs. 11-12. Bassler and Moodey, 1943, p. 337. McIntosh, 1983, p. 496.

Devonian, Givetian, Moscow Shale, Wanakah Shale, Skaneateles Shale. United States, New York; Canada, Ontario

*Nuxocrinus cylindricus* (Lyon, 1869). McIntosh, 1983, p. 500. Webster, 1988, p. 116.

*Poteriocrinus cylindricus* Lyon, 1869, p. 458, Pl. 27, figs. 1, 1-1. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 640. McIntosh, 1983, p. 500. Webster, 1988, p. 116.

*Poteriocrinites cylindricus* (Lyon, 1869). Bassler and Moodey, 1943, p. 640.

Devonian, Eifelian?, Jeffersonville Limestone?. United States, Kentucky, Ohio

*Nuxocrinus scaber* (Schmidt, 1942). McIntosh, 1983, p. 500. Webster, 1988, p. 116.

*Lasiocrinus? scaber* Schmidt, W. E., 1942, p. 101, Pl. 13, fig. 5. Webster, 1973, p. 161. McIntosh, 1983, p. 500. Webster, 1988, p. 116.  
Devonian, Emsian, latest Coblenzian, *Cultrijugatus* Zone. Germany

**NYCTOCRINUS** Springer, 1926. \**N. magnitubus* Springer, 1926.

Sbc. Camerata, O. Diplobathrida, Spf. Nyctocrinoidea, F. Nyctocrinidae  
Springer, 1926a, p. 54. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 573.  
Moore and Laudon, 1943b, p. 84, Fig. 14. Moore and Laudon, 1944, p. 189.  
Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 738. Webster, 1973, p. 183.  
Ubaghs in Moore and Teichert, 1978, p. T110, T129, T440, Figs. 83, no. 4; 99,  
no. 4. Webster, 1986, p. 219. Ausich, 1988, p. 913, Fig. 2, no. 17. Webster,  
1993, p. 80.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran  
species

Silurian, Niagaran. United States, Tennessee

\**Nyctocrinus magnitubus* Springer, 1926a, p. 54, Pl. 12, figs. 16-21. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 573. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 16. Moore and Laudon, 1944, p. 189, Pl. 77, fig. 23. Webster, 1973, p. 183.

Ubaghs in Moore and Teichert, 1978, p. T440, Fig. 248, no. 1. Webster, 1986, p. 219.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

**OCCIDUCRINUS** Webster, 1990. \**O. australis* Webster, 1990.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Cyathocrinidae  
Webster, 1990, p. 60. Webster, 1993, p. 80.

Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species

Permian, late Artinskian. Australia, Western Australia

\**Occiducrinus australis* Webster, 1990, p. 60, Pl. 2, figs. 1-3. Webster, 1993, p. 80.  
Webster and Jell, 1990, p. 336, Fig. 11, nos. B-D.

Permian, late Artinskian, Wandagee Formation. Australia, Western Australia

**OCEANOCRINUS** Wanner, 1924 = **NEREOCRINUS**

*Oceanocrinus granulatus* Wanner, 1924 = *Nereocrinus granulatus*

**OCHLEROCRINUS** Strimple, 1963 = **SIPHONOCRINUS**

*Ochlerocrinus armosus* (McChesney, 1861) = *Siphonocrinus armosus*

*Ochlerocrinus pentagonus* (Wachsmuth and Springer, 1897) = *Siphonocrinus pentagonus* = *S. noblis*

**OCTOCRINUS** Peck, 1936 = **TYTTHOCRINUS** = **AMPHIPSALIDOCRINUS**

*Octocrinus inconsuetus* Peck, 1936 = *Tyttocrinus inconsuetus* = *Amphipsalidocrinus inconsuetus*

**OEHLERTICRINUS** Le Menn, 1975. \**O. seillouensis* Le Menn, 1975.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae

Le Menn, 1975, p. 244. Ubaghs *in* Moore and Teichert, 1978, p. T475. Le Menn, 1985, p. 59, Fig. 9, no. A. Webster, 1986, p. 219. Webster, 1988, p. 116. Jell, 1999a, p. 28.

**CTENOCRINUS** Bronn; Le Maitre, 1958b, p. 131, Pl. 2, fig. 5.

Named, currently recognized species based on cups or crowns: 9 species. 1 Silurian Devonian, Niagaran – Lochkovian; 8 Devonian, 2 Lochkovian, 2 Pragian, 1 Pragian – Eifelian, 2 Pragian - Emsian, 1 Emsian  
Silurian, Niagaran, Devonian, Lochkovian. United States, Oklahoma, Tennessee  
Devonian, Pragian – Emsian (Siegenian – Couvinian). France  
Early Devonian. Australia

*Oehlertecrinus adaensis* (Strimple, 1952) = *Megaradialocrinus adaensis*

*Oehlertecrinus bilineatus* Le Menn, 1975, p. 244, Pl. 22, fig. 9; Figs. 2-3. Le Menn, 1985, p. 59, Pl. 10, fig. 4. Webster, 1986, p. 219. Webster, 1988, p. 116.  
Devonian, Pragian - Eifelian, l'Armorique Formation. France, Armorican Massif

*Oehlertecrinus carinatus* (Strimple, 1963)

*Hexacrinites carinatus* Strimple, 1963d, p. 94, Pl. 6, figs. 1-2; Fig. 30. Webster, 1973, p. 148. Clement and Broadhead, 1994, p. 47. Webster, Maples, and Yazdi, 2007, p. 1104 (misspelled as *Oelertecrinus*).

Silurian - Devonian, Niagaran - Lochkovian, Henryhouse Formation; Decatur Limestone, Ross Formation, Rockhouse Member. United States, Oklahoma, Tennessee

*Oehlertecrinus jeani* Jell, 1999a, p. 33, Figs. 21-22.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Oehlertecrinus lefretensis* Le Menn, 1975, p. 248, Pl. 22, fig. 5. Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 279, no. 5b. Le Menn, 1985, p. 61, Pl. 9, fig. 12. Webster, 1986, p. 219. Webster, 1988, p. 117.

Devonian, late Emsian, Fret Formation. France, Armorican Massif

*Oehlertecrinus lemenni* Jell, 1999a, p. 28, Figs. 19-20.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Oehlertecrinus sculptus* Le Menn, 1975, p. 245, Pl. 22, figs. 6-8. Le Menn, 1985, p. 59, Pl. 9, figs. 6-7. Webster, 1986, p. 220. Webster, 1988, p. 117.

Devonian, early Pragian, l'Armorique Formation. France, Armorican Massif

\**Oehlerticrinus seillouensis* Le Menn, 1975, p. 246, Pl. 23, figs. 1-4. Le Menn *in* Le Menn and Racheboeuf, 1976, p. 308. Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 279, no. 5a. Le Menn, 1985, p. 60, Pl. 10, figs. 1-3; Fig. 79, no. C. Webster, 1986, p. 220. Webster, 1988, p. 117.

Devonian, late Pragian - early Emsian, Faou Formation; Montguyon Formation. France, Armorican Massif

*Oehlerticrinus seillouensis?* Le Menn, 1975, p. 247, Pl. 23, figs. 6-7. Webster, 1986, p. 220.

*Thamnocrinites?* Le Maitre and Heddebaut, 1962. Le Menn, 1975, p. 247. Webster, 1986, p. 220.

Devonian, late Pragian, early Emsian. France, Basque Pyrenees

*Oehlerticrinus wachsmuthi* (Oehlert, 1882). Le Menn, 1975, p. 247, Pl. 22, figs. 1-4; Fig. 1. Le Menn, 1985, p. 61, Pl. 9, figs. 8-11 (not figs. 9-11 as given p. 61). Webster, 1986, p. 220. Webster, 1988, p. 117.

*Hexacrinus wachsmuthi* Oehlert, 1882, p. 355, Pl. 8, fig. 3. Bassler and Moodey, 1943, p. 511.

*Hexacrinites wachsmuthi* (Oehlert, 1882). Bassler and Moodey, 1943, p. 511. Le Menn, 1975, p. 247. Webster, 1986, p. 220.

Devonian, Pragian?, Saint-Cenere Formation. France, Armorican Massif

*Oehlerticrinus* sp. Le Menn, 1975, p. 246, Pl. 23, fig. 5. Webster, 1986, p. 220. Le Menn, 1997b, p. 132 (radial).

*Ctenocrinus* sp. Le Maitre, 1958b, p. 131, Pl. 2, fig. 5. Le Menn, 1975, p. 246. Webster, 1986, p. 220.

Devonian, Siegenian. Algeria

**OENOCHOACRINUS** Breimer, 1962. \**O. princeps* Breimer, 1962.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinitidae

Breimer, 1962a, p. 124. Webster, 1973, p. 183. Lane *in* Moore and Teichert, 1978, p. T516. Webster, 1986, p. 220. Webster and Lane, 1987, p. 39. Webster, 1993,

p. 80. Hauser *in* Hauser and Landeta, 2007, p. 41, Fig. 3. Ausich and Kammer, 2009, p. 707.

Named, currently recognized species based on cups or crowns: 5 species. 4 Devonian, 1 Emsian, 2 Eifelian, 1 series not designated; 1 Mississippian, Viséan

Devonian, early Emsian - early Eifelian. Spain

Mississippian, Viséan (Osagean). United States, Nevada

*Oenochoacrinus galeatus* Hauser *in* Hauser and Landeta, 2007, p. 41, Figs. 4-5.

*Oenochoacrinus?* sp. Breimer, 1962a, p. 131, Pls. 12, figs. 10-11; 13, figs. 1-2.

Webster, 1973, p. 183. Hauser *in* Hauser and Landeta, 2007, p. 41. Ausich and Kammer, 2009, p. 707.

Devonian, early Eifelian, Santa Lucia Limestone, Moniello Formation. Spain

- Oenochoacrinus limbus* Webster and Lane, 1987, p. 41, Fig. 11, nos. 12-23. Webster, 1993, p. 80. Ausich and Kammer, 2009, p. 707.  
Mississippian, Viséan (Osagean), Monte Cristo Group, Anchor Limestone. United States, Nevada
- Oenochoacrinus pileatus* Breimer, 1962a, p. 127, Pl. 12, figs. 7-9; Figs. 30, 32.  
Webster, 1973, p. 183. Ubaghs *in* Moore and Teichert, 1978, p. T181, Fig. 154, no. 1. Webster, 1986, p. 220. Hauser *in* Hauser and Landeta, 2007, p. 43, Fig. 8. Ausich and Kammer, 2009, p. 707.  
Devonian, early Eifelian, Santa Lucia Limestone. Spain
- \**Oenochoacrinus princeps* Breimer, 1962a, p. 124, Pl. 12, figs. 1-6; Fig. 29. Webster, 1973, p. 183. Ubaghs *in* Moore and Teichert, 1978, p. T181, Fig. 154, no. 2. Lane *in* Moore and Teichert, 1978, p. T516, Fig. 317, no. 6. Webster, 1986, p. 220. Hauser *in* Hauser and Landeta, 2007, p. 42, Pl. 1, fig. 11; Fig. 7. Ausich and Kammer, 2009, p. 707.  
Devonian, horizon unknown. Spain
- Oenochoacrinus scaber* Breimer, 1962a, p. 129, Pl. 13, figs. 3-5, 10-11; Fig. 31.  
Webster, 1973, p. 183.  
Devonian, early Emsian, La Vid Shale. Spain
- Oenochoacrinus?* sp. Breimer, 1962 = *Oenochoacrinus galeatus*
- OHIOCRINUS** Wachsmuth and Springer, 1886. \**Heterocrinus laxus* Hall, 1866.  
Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae  
Wachsmuth and Springer, 1886, p. 208 (132). Miller, S. A., 1889, p. 263. Bather *in* Lankester, 1900, p. 146. Wachsmuth *in* Zittel, 1900, p. 152. Springer, 1911b, p. 27. Springer *in* Zittel, 1913, p. 212. Bassler, 1915, p. 869. Ulrich *in* Foerste, 1925, p. 90. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 573. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Moore, 1962b, p. 14, Fig. 5, no. 4. Webster, 1973, p. 183. Warn and Strimple, 1977, p. 66. Moore and Lane *in* Moore and Teichert, 1978, p. T550. Webster, 1986, p. 220. Sevastopulo and Lane, 1988, p. 246. Webster, 1993, p. 81. Ausich, 1998b, p. 36. LeMenn, 2009, p. 469, Fig. 7.25. no. a.  
Named, currently recognized species based on cups or crowns: 4 Ordovician, Katian species  
Ordovician, Katian (late Champlainian - middle Cincinnati). United States
- Ohiocrinus bellevillensis* (Billings, 1883) = *Daedalocrinus bellevillensis*
- Ohiocrinus brauni* Ulrich *in* Foerste, 1925, p. 90, Fig. 7, nos. B-C. Bassler and Moodey, 1943, p. 573. Warn and Strimple, 1977, p. 70, Pl. 10, fig. 17. Ubaghs *in* Moore and Teichert, 1978, p. T186, Fig. 156, no. 3. Moore and Lane *in* Moore and Teichert, 1978, p. T549, Fig. 343, nos. 1c-1e. Webster, 1986, p. 221.  
Ausich  
*in* Hess et al., 1999 p. 79, Fig. 91.

Ordovician, Katian (middle Cincinnati), Maysvillian, Fairview Formation, Fairmount Limestone. United States, Indiana

*Ohioocrinus compactus* Meek, 1873 = *Dystactocrinus compactus* = *D. constrictus*

*Ohioocrinus constrictus* (Meek, 1873) = *Dystactocrinus constrictus*

*Ohioocrinus constrictus* var. *compactus* (Meek, 1873) = *Dystactocrinus constrictus*

*Ohioocrinus crotalurus* Angelin, 1878 = *Streptocrinus crotalurus*

*Ohioocrinus exilis* Foerste, 1914, p. 125, Pl. 1, fig. 7. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 573. Warn and Strimple, 1977, p. 60, Pl. 2, fig. 8. Webster, 1986, p. 221.

Ordovician, Katian (late Champlainian), Rogers Gap Beds. United States, Kentucky

\**Ohioocrinus laxus* (Hall, 1866). Wachsmuth and Springer, 1886, p. 209 (133). Miller, S. A., 1889, p. 263. Bassler, 1915, p. 870. Ulrich *in* Foerste, 1925, p. 90, Fig. 7, no. A. Bassler and Moodey, 1943, p. 573. Moore, 1962b, p. 14, Pl. 1, fig. 5. Webster, 1973, p. 184. Warn and Strimple, 1977, p. 68, Pl. 9, figs. 1, 3-10; Fig. 16. Ubaghs *in* Moore and Teichert, 1978, p. T185, Fig. 156, no. 4. Moore and Lane *in* Moore and Teichert, 1978, p. T549, Fig. 343, nos. 1a-1b. Webster, 1986, p. 221. Ausich, 1996b, p. 244, Fig. 17-3, no. 11.

*Heterocrinus laxus* Hall, 1866, Pl. 1, fig. 15. Hall, 1871a, p. 7, Pl. 1, fig. 15. Hall, 1872b, p. 211, Pl. 5, fig. 15. Meek, 1873a, p. 14, Pl. 1, figs. 8a-8b. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 574.

*Homocrinus laxus* (Hall, 1866), p. 304. Bassler, 1915, p. 870. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p. 574.

*Heterocrinus (Iocrinus) oehanus* Ulrich, E. O., 1882, p. 175, Pl. 5, fig. 9. Bassler, 1915, p. 870. Bassler and Moodey, 1943, p. 574.

*Heterocrinus oehanus* Ulrich, 1882. Miller, S. A., 1883a, p. 283. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 871.

*Ohioocrinus oehanus* (Ulrich, 1882). Wachsmuth and Springer, 1886, p. 133 (p. 209). Miller, S. A., 1889, p. 263. Bassler, 1915, p. 871.

Ordovician, Katian (middle Cincinnati), Maysville Limestone; Fairview Formation, Fairmount Limestone. United States, Ohio

*Ohioocrinus levorsoni* Brower, 1992b, p. 977, Figs. 6-7. Sloan, 2005, p. 153, Fig. 4-61, no. 14 (misspelled as *O. leversoni*).

Ordovician, Katian, Galena Group, Dunleith Formation, Sherwood Member. United States, Minnesota

*Ohioocrinus oehanus* (Ulrich, 1882) = *Ohioocrinus laxus*

*Ohioocrinus vaupeli* (Wetherby, 1881) = *Ohioocrinus constrictus* = *Dystactocrinus constrictus*

*Ohioocrinus* sp. Warn and Strimple, 1977, p. 67, Pl. 9, fig. 2. Webster, 1986, p. 221.

Ordovician, Katian (Cincinnatian, Maysvillian), Fairview Formation. United States, Indiana

*OHNOPORA* Minato and Minoura, 1977 = **PERNEROCRINUS**

*Ohnopora hayasakai* Minato and Minoura, 1977 = *Pernerocrinus hayasakai*

*Ohnopora* sp. Minato, *et al.*, 1982 (part) = *Pernerocrinus hayasakai*

*Ohnopora* sp. Minato, *et al.*, 1982 (part) = *Pernerocrinus perforatus*

**OKACRINUS** Arendt, 2002. \**Okacrinus nodosus* Arendt, 2002 (OD)

Sbc. Cladida, O. Cyathocrinida, Spf. Hypocrinoidea, F. Lageniocrinidae  
Arendt, 2002, p. 121.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Serpukhovian species

Mississippian, early Serpukhovian, Steshev Horizon. Russia, Moscow Basin

\**Okacrinus nodosus* Arendt, 2002, p. 121, Pl. 3, figs. 5a-5c; Fig. 1, nos. h-i (not h-j as given in Figure 1 explanation).

Mississippian, early Serpukhovian, lower part of Steshev Horizon. Russia,  
Moscow Basin

**OKLAHOMACRINUS** Moore, 1939. \**O. supinus* Moore, 1939.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampelocrinidae

Moore, 1939c, p. 255. Bassler and Moodey, 1943, p. 574. Moore and Laudon,  
1943b, p. 59. Moore and Laudon, 1944, p. 167. Arendt and Hecker, 1964, p. 89.  
Branson, C. C., 1967, p. 86. Strimple and Watkins, 1969, p. 188. Strimple and  
Moore, 1971a, p. 27. Strimple and Moore, 1971b, p. 7. Webster, 1973, p. 184.  
Webster, 1977, p. 118. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T741. Pabian and Strimple, 1985, p. 50. Webster, 1986, p. 221. Webster, 1988,  
p. 117. Pabian and Strimple, 1993, p. 37.

Named, currently recognized species based on cups or crowns: 6 species. 4

Pennsylvanian, 1 Atokan, 2 Desmoinesian, 1 Missourian - Virgilian; 2 Permian, 1  
Artinskian, 1 series uncertain

Pennsylvanian, Atokan - Virgilian. United States

Permian, series uncertain. West Timor

*Oklahomacrinus abruptus* Strimple, 1961 = \**Sardinocrinus abruptus*

*Oklahomacrinus bowsheri* Moore, 1939 = *Adacrinus bowsheri*

*Oklahomacrinus canyonensis* Strimple and Nassichuck, 1974 = *Adacrinus canyonensis*

*Oklahomacrinus cirriferous* Strimple, 1963 = \**Kansacrinus cirriferous*

*Oklahomacrinus discus* Strimple, 1947 = *Kansacrinus discus*



*Oklahomacrinus ellesmerensis* Strimple and Nassichuck, 1974 = *Adacrinus ellesmerensis*

*Oklahomacrinus expansus* (Wanner, 1916). Burke, 1966b, p. 467, Figs. 4-6. Webster, 1973, p. 184.

*Delocrinus expansus* Wanner, 1916, p. 196, Pl. 108 (13), fig. 5. Bassler and Moodey, 1943, p. 409. Branson, C. C., 1948, p. 190. Burke, 1966b, p. 467. Webster, 1973, p. 184.

Permian, series uncertain. West Timor, Basleo

*Oklahomacrinus frostae* Strimple and Watkins, 1969, p. 194, Pl. 34, figs. 1-2. Strimple, 1975e, p. 23, Figs. 1, no. 3; 15, no. 5. Webster, 1977, p. 118. Webster, 1986, p. 221.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

*Oklahomacrinus loeblichii* Moore, 1939 = \**Adacrinus loeblichii*

*Oklahomacrinus loeblichii variabilis* Strimple and Moore, 1971b = *Adacrinus loeblichii variabilis*

*Oklahomacrinus ohioensis* Burke, 1966b, p. 465, Figs. 1-3. Webster, 1973, p. 184.

Pennsylvanian, Desmoinesian, upper part of Ames Limestone. United States, Ohio

*Oklahomacrinus regularis* Strimple, 1951 = *Kansacrinus regularis*

*Oklahomacrinus spicatululus* Strimple and Watkins, 1969, p. 194, Pls. 31, fig. 4; 51, fig. 1; 53, fig. 5; 56, fig. 1. Webster, 1977, p. 119.

Pennsylvanian, Atokan, Lemons Bluff Limestone. United States, Texas

*Oklahomacrinus stevensii* Moore, 1939 = *Adacrinus stevensii*

\**Oklahomacrinus supinus* Moore, 1939c, p. 258, Pl. 9, figs. 5a-5d; Figs. 24, nos. a-b; 28, nos. a-d. Bassler and Moodey, 1943, p. 574. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 5. Moore and Laudon, 1944, p. 167, Pls. 56, fig. 24; 62, fig. 19. Burke, 1966b, p. 466, Fig. 3. Webster, 1973, p. 184. Moore and Strimple *in* Moore and Teichert, 1978, p. T741, Fig. 491, nos. 1a-1c. Pabian and Strimple, 1980b, p. 16, Pl. 4, fig. 15. Webster, 1985, p. 50, Fig. 20, nos. g-h. Webster, 1986, p. 222. Webster, 1988, p. 117. Pabian and Strimple, 1993, p. 37, Figs. 15, nos. k-l; 18, nos. a-b.

Pennsylvanian, Missourian - Virgilian, Brownville Limestone; Kanwaka Formation, Stull Shale Member; Lecompton Formation; Avoca Limestone; Deer Creek Formation, Ervine Creek Limestone Member; South Bend Limestone. United States, Oklahoma, Nebraska

*Oklahomacrinus triangulus* Webster and Lane, 2007, p. 962, Fig. 4, nos. 8-9.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

**OLIGOBRACHYOCRINUS** Arendt, 1981. \**O. bifidus* Arendt, 1981.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Oligobrachyocrinidae  
Arendt, 1981, p. 92. Webster, 1988, p. 117.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Artinskian species  
Permian, late Artinskian. Russia, Ural Mountains

\**Oligobrachyocrinus bifidus* Arendt, 1981, p. 93, Pl. 31, figs. 1-2; Fig. 23, nos. a-i, r-s.  
Webster, 1988, p. 117.  
Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

**OLIGOCRINUS** Springer, 1906 = **ONYCHOCRINUS**

*Oligocrinus asteriaeformis* (Hall, 1861) = *Onychocrinus asteriaeformis*

**OLLACRINITES** Blainville, 1834 = **GILBERTSOCRINUS**

**OLLACRINUS** Cumberland, 1826 = **GILBERTSOCRINUS**

*Ollacrinus papillatus* (Hall, 1859) = *Gilbertsocrinus typus*

*Ollacrinus tuberosus* (Lyon and Casseday, 1859) = *Gilbertsocrinus tuberosus*

*Ollacrinus typus* (Hall, 1859) = *Gilbertsocrinus typus*

**OLLULOOCRINUS** Bouska, 1956 = **PARAPISOCRINUS**

*Ollulocrinus malobatschatensis* Dubatolova, 1964 = *Pisocrinus (Parapisocrinus)*  
*malobatschatensis* = *Parapisocrinus malobatschatensis*

*Ollulocrinus ollula elegans* Bouska, 1956 = *Pisocrinus (Parapisocrinus) ollula elegans* =  
*Parapisocrinus ollula elegans*

*Ollulocrinus ollula grandis* Bouska, 1956 = *Pisocrinus (Parapisocrinus) ollula grandis* =  
*Parapisocrinus ollula grandis*

*Ollulocrinus ollula hlubocephensis* Bouska, 1956 = *Pisocrinus (Parapisocrinus) ollula*  
*hlubocephensis* = *Parapisocrinus hlubocephensis*

*Ollulocrinus ollula ollula* Bouska, 1956 = *Pisocrinus (Parapisocrinus) ollula ollula* =  
*Parapisocrinus ollula ollula*

*Ollulocrinus pribyli* Bouska, 1956 = *Pisocrinus (Parapisocrinus) pribyli* = *Parapisocrinus*  
*ollula grandis*

*Ollulocrinus quinquelobus* (Bather, 1893). Bouska, 1956 (part) = *Pisocrinus* (*Granulosocrinus*) *kosovens*

*Ollulocrinus quinquelobus* (Bather, 1893). Bouska, 1956 (part) = *Pisocrinus* (*Parapisocrinus*) *quinquelobus* = *Parapisocrinus ollula grandis*

*Ollulocrinus quinquelobus* (Bather, 1893). Bouska, 1956 (part) = *Parapisocrinus quinquelobus*

*Ollulocrinus rimosus* Bouska, 1956 = *Pisocrinus* (*Parapisocrinus*) *rimosus* = *Parapisocrinus ollula grandis*

*Ollulocrinus rimosus* Bouska, 1956 (part) = *Parapisocrinus* sp.

*Ollulocrinus rimosus* Bouska, 1956 = *Parapisocrinus ollula grandis*

*Ollulocrinus sphericus* (Rowley, 1904) = *Pisocrinus* (*Parapisocrinus*) *sphericus* = *Parapisocrinus sphericus*

*Ollulocrinus tennesseensis* (Roemer, 1860) = *Pisocrinus* (*Parapisocrinus*) *tennesseensis* = *Parapisocrinus tennesseensis*

*Ollulocrinus yassensis* (Etheridge, 1904) = *Pisocrinus* (*Parapisocrinus*) *yassensis* = *Parapisocrinus yassensis*

*Ollulocrinus?* cf. *yassensis* (Etheridge, 1904), Bouska, 1956 = *Parapisocrinus yassensis*

*Ollulocrinus* sp. Bouska, 1956 = *Pisocrinus* (*Parapisocrinus*) sp. = *Parapisocrinus* sp.

**OMANICRINUS** Jell and Willink, 1993. \**O. secundus* Jell and Willink, 1993. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Jell and Willink, 1993, p. 305. Webster et al., 2009, p. 33.

Named, currently recognized species based on cups or crowns: 1 Permian, late Sakmarian or early Artinskian species

Permian, late Sakmarian or early Artinskian. Oman

\**Omanicrinus secundus* Jell and Willink, 1993, p. 307, Figs. 1-2. Webster et al., 2009, p.

33, Pl. 1, fig. 21.

Permian, late Sakmarian or early Artinskian, lower part of Gharif Formation. Oman

**ONCOCRINUS** Bather, 1890 = *PYCNOSACCUS*

*Oncocrinus bucephalus* Bather, 1890 = *Pycnosaccus bucephalus*

**ONTARIOCRINUS** Jaekel, 1918. \**O. deviatum* Jaekel, 1918.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinoidea, F. Ontariocrinidae

Jaekel, 1918, p. 83. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 574. Lane *in* Moore and Teichert, 1978, p. T627. Webster, 1986, p. 222. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (late Cincinnatian). Canada, Ontario

\**Ontariocrinus deviatum* Jaekel, 1918, p. 83, Fig. 77. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 574 (abnormal inadunate).

Ordovician, Katian (late Cincinnatian), Hull Limestone. Canada, Ontario

**ONYCHOCRINUS** Lyon and Casseday, 1860. \**O. exculptus* Lyon and Casseday, 1860.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Synerocrinidae Lyon and Casseday, 1860b, p. 77. Meek and Worthen, 1866a, p. 242. Meek and Worthen, 1866b, p. 255. Zittel, 1879, p. 353. Zittel, 1880, p. 353. Wachsmuth and

Springer, 1886, p. 145 (69). Miller, S. A., 1889, p. 264. Zittel, 1895, p. 138.

Koken, 1896, p. 283. Bather *in* Lankester, 1900, p. 190. Wachsmuth *in* Zittel,

1900, p. 163. Jaekel, 1902, p. 1070, Fig. 13, no. C. Springer, 1902, p. 95.

Springer, 1906, p. 40. Grabau and Shimer, 1910, p. 566. Springer *in* Zittel, 1913,

p. 206. Springer, 1920a, p. 342. Bassler, 1938, p. 140. Bassler and Moodey,

1943, p. 574. Moore and Laudon, 1943b, p. 69, Fig. 10. Moore and Laudon,

1944, p. 179, Pl. 67, fig. 13. Cuénot, 1948, p. 66. Ubaghs, 1953, p. 755, Fig. 26.

Van Sant *in* Van Sant and Lane, 1964, p. 48, Fig. 15. Moore and Jeffords, 1968,

p. 11, Fig. 1, no. 4. Burdick and Strimple, 1971a, p. 44. Strimple and Moore,

1971a, p. 42. Webster, 1973, p. 185. Horowitz and Strimple, 1974, p. 213. Meyer

and Lane, 1976, p. 479, Fig. 1. Webster, 1977, p. 119. Moore *in* Moore and

Teichert, 1978, p. T775, Figs. 506, no. 12f; 508, no. 4f. Burdick and Strimple,

1983a, p. 203. Webster, 1986, p. 222. Webster, 1988, p. 118. Lane and

Sevastopulo, 1990, p. 334. Webster, 1993, p. 81.

**OLIGOCRINUS** Springer, 1902, p. 95; \**Forbesiocrinus asteriaeformis* Hall, 1861.

Springer, 1906, p. 519. Bassler, 1938, p. 139. Bassler and Moodey, 1943, p.

574. Moore *in* Moore and Teichert, 1978, p. T775.

**ORIGOCRINUS** Jaekel, 1918, p. 78. Bassler, 1938, p. 141. Bassler and Moodey,

1943, p. 574. Moore *in* Moore and Teichert, 1978, p. T775.

Named, currently recognized species based on cups or crowns: 14 Mississippian species, 1 Tournaisian, 9 Viséan, 2 Viséan – Serpukhovian, 2 Serpukhovian

Mississippian, Tournaisian - Viséan. Europe

Mississippian, Viséan – Serpukhovian (Osagean – Chesterian). United States

*Onychocrinus asteriaeformis* (Hall, 1861). Weller, S., 1898c, p. 386. Springer, 1920a,

p. 421, Pl. 64, figs. 1-10. Bassler and Moodey, 1943, p. 575. Moore and

Laudon, 1944, p. 179, Pl. 69, fig. 10. Webster, 1973, p. 185.

*Forbesiocrinus asteriaeformis* Hall, 1861a, p. 320. Hall, 1861b, p. 9. Hall, 1861c, p. 320. Shumard, 1868, p. 371. Hall, 1872b, Pl. 6, figs. 10-11. Miller, S. A., 1889, p. 246. Miller, S. A., 1898c, p. 386. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 575.

*Onychocrinus asteriformis* (Hall, 1861). Miller, S. A., 1889, p. 264. Miller, S. A., 1897, p. 749.

*Oligocrinus asteriaeformis* (Hall, 1861). Springer, 1906, p. 519, Pl. 6, fig. 16. Bassler and Moodey, 1943, p. 575.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Onychocrinus asteriformis* (Hall, 1861) = *Onychocrinus asteriaeformis*

*Onychocrinus cantonensis* Miller and Gurley, 1890 = *Onychocrinus ulrichi*

*Onychocrinus distensus* Worthen, 1882, p. 31. Worthen, 1883, p. 307, Pl. 29, fig. 5. Miller, S. A., 1889, p. 264. Weller, S., 1898c, p. 386. Springer, 1920a, p. 421, Pl. 73, figs. 5-8. Bassler and Moodey, 1943, p. 575. Burdick and Strimple, 1971a, p. 44, Pl. 7, figs. 17-18, 26. Webster, 1977, p. 119. Burdick and Strimple, 1983a, p. 204. Webster, 1988, p. 118.

Mississippian, Viséan - Serpukhovian (Chesterian), Renault Formation; Gasper Formation; Beech Creek Formation. United States, Illinois, Alabama

*Onychocrinus diversus* Worthen, 1866, p. 256. Worthen, 1868, p. 492, Pl. 17, figs. 5a-5b; Unnum. Fig. Miller, S. A., 1889, p. 264, Fig. 375. Weller, S., 1898c, p. 386. Springer, 1920a, p. 421, Pls. 65, figs. 1-7; 67, figs. 11a-11b. Bassler and Moodey, 1943, p. 575. Moore *et al.*, 1968a, p. 20, Pl. 4, fig. 2. Webster, 1973, p. 185. Ubaghs *in* Moore and Teichert, 1978, p. T64, Fig. 44, no. 2. Webster, 1986, p. 222.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone, Burlington-Keokuk transition beds. United States, Iowa

\**Onychocrinus exculptus* Lyon and Casseday, 1860b, p. 78. Shumard, 1868, p. 372. Meek and Worthen, 1873, p. 498, Pl. 14, fig. 4. Wachsmuth and Springer, 1880 (1879), p. 55. White, C. A., 1882, p. 365, Pl. 40, fig. 1. Quenstedt, 1885, p. 947, Pl. 75, fig. 27. Miller, S. A., 1889, p. 264, Figs. 376-377. Lesley, 1889, p. 496, Fig. 1. Weller, S., 1898c, p. 387. Grabau and Shimer, 1910, p. 566, Fig. 1905. Springer, 1920a, p. 421, Pls. 67, fig. 6; 69, figs. 1-9; 70, figs. 1-7; 71, figs. 1-2. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 575. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 14. Moore and Laudon, 1944, p. 179, Pl. 69, fig. 19. Van Sant *in* Van Sant and Lane, 1964, p. 100, Pl. 7, fig. 10; Figs. 14; 34, no. 2.

Priest,

1973, p. 75, Fig. 17. Lane, N. G., 1973, p. 60, Figs. 19-20. Meyer and Lane, 1976, p. 475, Fig. 2. Webster, 1977, p. 119. Ubaghs *in* Moore and Teichert, 1978, p. T132, Fig. 102, no. 6. Moore *in* Moore and Teichert, 1978, p. T775,

Figs.

514, no. 2; 516, nos. 2f-2h. Wolf, 1979, p. 151, Fig. 2, no. 1. Williams, M. E.,

1982, p. 20, Pl. 1. Richards, 1986, p. 127, Figs. 4-5. Webster, 1986, p. 222. Webster, 1988, p. 118. Ausich and Meyer, 1992, p. 827. Webster, 1993, p. 81. Simms *in* Hess et al., 1999 p. 32, Fig. 56 (misspelled as *O. exsculptus*). Ausich, 2009b, Fig. 5. Stinchcomb, 2008, p. 126, Figs. 07-053, 07-055.

*Onychocrinus exsculptus* Lyon and Casseday, 1860. Webster, 1973, p. 185.

*Forbesiocrinus exculptus* (Lyon and Casseday, 1859). Shumard, 1868, p. 371.

*Forbesiocrinus monroensis* Meek and Worthen, 1861, p. 130. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 575.

*Onychocrinus monroensis* (Meek and Worthen, 1861). Meek and Worthen, 1866a, p. 244, Pl. 17, fig. 7. Miller, S. A., 1889, p. 265. Keyes, 1894a, p. 224, Pl. 30, fig. 2. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 575.

Mississippian, Viséan (late Osagean), Edwardsville Formation, Keokuk Limestone, ?Fort Payne Formation. United States, Indiana, Iowa, Illinois, ? Kentucky

*Onychocrinus exsculptus* Lyon and Casseday, 1860 = *Onychocrinus exculptus*

*Onychocrinus grandis* Ausich and Meyer, 1992, p. 827, Figs. 2.1-2.4. Meyer and Ausich, 2009, p. 7, Fig. 5, no. A.

*Onychocrinus* sp. Meyer, Ausich, and Terry, 1990, p. 545, Figs. 2, no. A; 10, no. C. Webster, 1993, p. 82. Ausich and Meyer, 1992, p. 827.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

*Onychocrinus hibernicus* Wright, 1934 = *Taxocrinus hibernicus*

*Onychocrinus liddelensis* Wright, J., 1954a, p. 171, Pls. 41, fig. 8; 44, fig. 2. Webster, 1973, p. 185.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Onychocrinus magnus* Worthen, 1875, p. 520, Pl. 31, fig. 5. Miller, S. A., 1889, p. 265. Weller, S., 1898c, p. 387. Springer, 1920a, p. 421, Pl. 73, figs. 1-4. Bassler and Moodey, 1943, p. 575. Burdick and Strimple, 1983a, p. 204, Pl. 25, fig. 9. Webster, 1988, p. 118.

Mississippian, Viséan - Serpukhovian (Chesterian), St. Louis Limestone; Bangor Limestone. United States, Illinois, Alabama

*Onychocrinus monroensis* Meek and Worthen, 1866 = *Onychocrinus exculptus*

*Onychocrinus norwoodi* Meek and Worthen, 1860 = *Onychocrinus exculptus* = *O. ramulosus*

*Onychocrinus parvus* Miller and Gurley, 1893, p. 52, Pl. 4, fig. 5. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 575. Burdick and Strimple, 1983a, p. 203. Chestnut and Etensohn, 1988, p. 51. Webster, 1988, p. 118 (Chestnut and Etensohn, questionably assign *O. parvus* to *O. pulaskiensis*; the former has publication priority over the latter and the assignment should be reversed. Both species are recognized herein. GDW)

Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Indiana

- Onychocrinus polydactylus* (M'Coy, 1844). Wright, J., 1934, p. 260, Pl. 15, fig. 5; Fig. 31. Bassler and Moodey, 1943, p. 575. Wright, J., 1954a, p. 172, Pls. 45, fig. 12; 46, fig. 4; Fig. 92. Webster, 1973, p. 185.
- Taxocrinus polydactylus* M'Coy, 1844, p. 178, Pl. 26, fig. 7 (given on plate explanation as *Cladocrinus*). d'Orbigny, 1850, p. 157. Dujardin and Hupé, 1862, p. 148. Bassler and Moodey, 1943, p. 575.
- Onychocrinus? polydactylus* (M'Coy, 1844). Springer, 1920a, p. 421, Pl. 64, figs. 11-14. Bassler and Moodey, 1943, p. 575.
- Poteriocrinus? egertoni* Phillips, 1836, p. 205, Pl. 3, fig. 39. Bronn, 1848, p. 1035, 1217. d'Orbigny, 1850, p. 157. Bassler, 1938, p. 66. Bassler and Moodey, 1943, p. 576.
- Cladocrinites egertoni* (Phillips, 1836). Austin and Austin, 1843, p. 197. Bronn, 1848, p. 304.
- Taxocrinus egertoni* Phillips, 1836. Bronn, 1848, p. 1035, 1217.
- Isocrinus egertoni* (Phillips, 1836). Bronn, 1848, p. 1217.
- Cyathocrinus egertoni* (Phillips, 1836). Roemer, C. F. in Bronn and Roemer, 1851, p. 236.
- Mississippian, Tournaisian. Ireland; Germany

*Onychocrinus? polydactylus* (M'Coy, 1844) = *Onychocrinus polydactylus*

- Onychocrinus pulaskiensis* Miller and Gurley, 1895a, p. 40, Pl. 4, figs. 1-2. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 387. Springer, 1920a, p. 421, Pl. 74, figs. 1-10; 75, figs. 15a-15b. Wright, J., 1939, p. 60, Pl. 5, fig. 6. Bassler and Moodey, 1943, p. 576. Moore and Laudon, 1944, p. 179, Pl. 69, fig. 3. Horowitz, 1965, p. 39, Pl. 4, figs. 11-12. Moore *et al.*, 1968a, p. 20, Pl. 4, fig. 3. Webster, 1973, p. 185. Strimple, 1978c, p. 63, Fig. 1, no. 1, 3-4. Burdick and Strimple, 1983a, p. 205, Pl. 25, figs. 8, 15-16. Etensohn and Chestnut, 1985, p. 350, Fig. 10, no. a. Webster, 1986, p. 222. Knox and Kendrick, 1987, p. 128, Fig. 3, nos. 5-6. Chestnut and Etensohn, 1988, p. 51, Pl. 6, figs. 1-4. Webster, 1988, p. 118. Webster, 1993, p. 81.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Bangor Limestone; Pennington Formation; Fayetteville Formation; Pitkin Formation. United States, Tennessee, Alabama, Kentucky, Illinois, Oklahoma  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Onychocrinus* near *pulaskiensis* Wright, 1924 = *Onychocrinus wrighti*

- Onychocrinus ramulosus* (Lyon and Casseday, 1859). White, C. A., 1882, p. 366, Pl. 39, figs. 2-3. Miller, S. A., 1889, p. 265. Lesley, 1889, p. 495, Figs. 2-3 p. 496. Weller, S., 1898c, p. 387. Springer, 1920a, p. 421, Pl. 72, figs. 1-12. Bassler and Moodey, 1943, p. 576. Van Sant in Van Sant and Lane, 1964, p. 101, Pl. 6, figs. 2, 7, 9; Fig. 34, no. 3. Priest, 1972, Unnum. Fig. upper right p. 86. Lane, N. G., 1973, p. 60, Figs. 18, 20. Webster, 1973, p. 185. Webster, 1977, p. 119.

- Moore *in* Moore and Teichert, 1978, p. T775, Fig. 516, no. 2a. Webster, 1986, p. 222. Ausich and Meyer, 1992, p. 827, Figs. 1.4-1.6.
- Forbesiocrinus ramulosus* Lyon and Casseday, 1859, p. 237. Shumard, 1868, p. 372. Quenstedt, 1885, p. 947, Pl. 75, fig. 26. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 576. Ausich and Meyer, 1992, p. 827.
- Forbesiocrinus? norwoodi* Meek and Worthen, 1860, p. 389. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246, 264. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 575. Ausich and Meyer, 1992, p. 827.
- Onychocrinus norwoodi* (Meek and Worthen, 1860). Meek and Worthen, 1866a, p. 245, Pl. 17, fig. 3; Fig. 26. Miller, S. A., 1889, p. 265. Miller, S. A., 1892a, p. 680. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 387. Bassler and Moodey, 1943, p. 575. Ausich and Meyer, 1992, p. 827.
- Mississippian, Viséan (late Osagean), Edwardsville Formation, Fort Payne Formation. United States, Indiana, Tennessee, Kentucky
- Onychocrinus semiovatus* (Meek and Worthen, 1860). Springer, 1920a, p. 436, Pl. 72, fig. 7. Bassler and Moodey, 1943, p. 576.
- Forbesiocrinus? semiovatus* Meek and Worthen, 1860, p. 389. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 576.
- Taxocrinus semiovatus* (Meek and Worthen, 1860). Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 704.
- Mississippian, Viséan (Chesterian), Ste. Genevieve Formation; Fredonia Oolite. United States, Illinois, Kentucky
- Onychocrinus ulrichi* Miller and Gurley, 1890a, p. 17, Pl. 3, figs. 2-3. Miller and Gurley, 1890b, p. 17, Pl. 3, figs. 2-3. Miller and Gurley, 1891, p. 339, Pl. 3, figs. 2-3. Miller, S. A., 1892a, p. 680. Wachsmuth and Springer, 1897, p. 123, Pl. 6, fig. 20.
- Weller, S., 1898c, p. 387. Springer, 1906, p. 469, Pl. 4, figs. 1-5. Springer, 1920a, p. 421, Pls. 21, fig. 5; 66, figs. 1-10; 67, figs. 1-10; 68, figs. 1-6. Bassler and Moodey, 1943, p. 576. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 13. Moore and Laudon, 1944, p. 179, Pl. 69, fig. 15. Cuénot, 1948, p. 66, Fig. 87. Ubaghs, 1953, p. 755, Fig. 26. Van Sant *in* Van Sant and Lane, 1964, p. 102, Pl. 6, figs. 6, 8; Fig. 34, no. 1. Webster, 1973, p. 185. Ubaghs *in* Moore and Teichert, 1978, p. T175, fig. 147. Moore *in* Moore and Teichert, 1978, p. T775, Fig. 516, nos. 2b-2e. Kammer, 1985b, p. 557, Fig. 2, no. 5. Webster, 1986, p. 223. Kammer and Ausich, 1987, p. 384, Fig. 3, nos. I-J. Webster, 1988, p. 118. Webster, 1993, p. 81.
- Onychocrinus cantonensis* Miller and Gurley, 1890b, p. 41, Pl. 7, fig. 9. Miller and Gurley, 1891, p. 359, Pl. 7, fig. 9. Miller, S. A., 1892a, p. 680. Weller, S., 1898c, p. 386. Bassler and Moodey, 1943, p. 576.
- Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana



*Onychocrinus whitfieldi* Meek and Worthen, 1873 = *Forbesiocrinus whitfieldi* =  
*Taxocrinus whitfieldi*

*Onychocrinus wrighti* Springer, 1920a, p. 421, Pl. 75, fig. 14. Wright, J., 1939, p. 59,  
Pls. 5, fig. 18; 7, fig. 7. Bassler and Moodey, 1943, p. 576. Wright, 1954a, p.  
170, Pls. 41, fig. 3; 44, figs. 6, 10. Webster, 1973, p. 185.

*Onychocrinus* near *pulaskiensis* Wright, J., 1924, p. 275, Pl. 16, fig. 1. Wright, J.,  
1925, Pl. 29, fig. 1. Bassler and Moodey, 1943, p. 576.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Onychocrinus* sp. A Knox and Kendrick, 1987, p. 128, Fig. 3, nos. 7-8.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States,  
Tennessee

*Onychocrinus* sp. Meyer, Ausich and Terry, 1990 = *Onychocrinus grandis*

*Onychocrinus* spp.

Wright, J., 1920a, p. 382, Pl. 18, fig. 1.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

Laudon, Parks, and Spreng, 1952, p. 561, Pl. 66, fig. 15. Webster, 1973, p. 185.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
Burdick and Strimple, 1973a, p. 228, Fig. 2, no. A. Webster, 1977, p. 119.

Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
Oklahoma

Anderson, W. I., 1983, p. 157, Fig. 7.16. Webster, 1988, p. 118.

Mississippian, no locality data

Lane, N. G., 1986, p. 156, Figs. 2, 6. Webster, 1993, p. 82.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States,  
Indiana

Meyer and Ausich, 1992, p. 5, Fig. 5, no. A.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States,  
Kentucky

Howell, 1995, p. 100, Pl. 5, fig. 2.

No age or locality given

Greb et al., 2008, p. 18, Fig. 17.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

Stinchcomb, 2008, p. 155, Fig. 08-073.

Pennsylvanian, Missourian, LaSalle Limestone. United States, Illinois, Pontiac  
Ausich and Kammer, 2010b, p. 119, Fig. 5, no. A (from Wachsmuth and Springer,  
1897).

Age and locality not given

Williams, 2009, unnumbered fig. p. 48.

Mississippian, Viséan – Serpukhovian (Chesterian), Bangor Formation. United  
States, Alabama

*OPHIOCRINUS* Angelin, 1878 = ***STREPTOCRINUS***

*OPHIOCRINUS* Charlesworth, 1865 = **MYELODACTYLUS**

**OPHIOCRINUS** Sharpe and Salter, 1856. \**O. stangeri* Sharpe and Salter, 1856.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Sharpe and Salter, 1856, p. 223. Zittel, 1880, p. 343, 352. Zittel, 1895, p. 134.

Bather *in* Lankester, 1900, p. 201. Bassler, 1938, p. 141. Bassler and Moodey,  
1943, p. 576. Ubaghs *in* Moore and Teichert, 1978, p. T428. Frest and Strimple,  
1981, p. 641. Webster, 1986, p. 223. Webster, 1988, p. 118. Jell, 1999a, p. 4.  
Jell and Theron, 1999, p. 122. Scheffler and Fernandes, 2007, p. 86.

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Lochkovian, 1 Emsian

Devonian, Emsian. South Africa

Devonian, Emsian. Brazil, Parana Basin

*Ophiocrinus crotalurus* Angelin, 1878 = \**Streptocrinus crotalurus*

*Ophiocrinus* sp. cf. *mariae* Kier, 1952. Jell and Theron, 1999, p. 127, Fig. 11.

Devonian, Emsian, Gydo Formation. South Africa

*Ophiocrinus annettae* Jell, 1999a, p. 4, Fig. 3.

Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

\**Ophiocrinus stangeri* Sharpe and Salter, 1856, p. 223, Pl. 25, fig. 20. Bassler, 1938,  
p. 141. Bassler and Moodey, 1943, p. 576. Ubaghs *in* Moore and Teichert,  
1978, p. T428, Fig. 238, no. 2. Webster, 1986, p. 223.

*Ophiocrinus strangeri* Salter, 1856. Jell and Theron, 1999, p. 124, Figs. 7-10.

Scheffler and Fernandes, 2007, p. 86, Figs. 3, nos a-b; 4, nos. a-c.

Devonian, Emsian, Bokkeveld Series, Gydo Formation. South Africa, Cape Province

Devonian, Emsian, Jaguariaiva Member, Ponta Grossa Formation. Brazil, Parana  
Basin

*Ophiocrinus strangeri* Salter, 1856 = \**Ophiocrinus stangeri*

*Ophiurites* sp. Rossouw, 1933 = Unidentified crinoid

**OPHIUROCRINUS** Jaekel, 1918. \**Poteroicrinus originarius* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Jaekel, 1918, p. 62. Wanner, 1924, p. 178. Bassler, 1938, p. 141. Bassler and  
Moodey, 1943, p. 576. Moore and Laudon, 1943b, p. 59. Arendt and Hecker,  
1964, p. 89. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 185. Webster,  
1977, p. 119. Moore and Strimple *in* Moore and Teichert, 1978, p. T645.  
Webster, 1986, p. 223. Lane and Sevastopulo, 1990, p. 335. Kammer and  
Ausich, 1992, p. 474. Webster, 1993, p. 82.

Named, currently recognized species based on cups or crowns: 3 species. 2

Mississippian, 1 Tournaisian, 1 Serpukhovian; 1 Pennsylvanian, Moscovian  
 Mississippian, Tournaisian - Viséan. United Kingdom  
 Mississippian, Serpukhovian (Chesterian). United States  
 Pennsylvanian, Moscovian. Russia

*Ophiurocrinus arbiglandensis* (Wright, 1934). Wright, 1950, p. 22, Pl. 6, fig. 8.  
 Webster, 1973, p. 185.

*Gilmocrinus arbiglandensis* Wright, J., 1934, p. 250, Pl. 14, fig. 6; Fig. 19. Wright, J.,  
 1938, p. 343, Pl. 13, fig. 3. Wright, J., 1939, p. 42, Pl. 8, fig. 5; Fig. 59. Bassler  
 and Moodey, 1943, p. 489.

*Scytalocrinus arbiglandensis* (Wright, 1934). Wright, J., 1950, p. 22. Webster,  
 1973,  
 p. 186.β

Mississippian, Tournaisian, Calciferous Sandstone Series. United Kingdom,  
 Scotland, United Kingdom

*Ophiurocrinus beggi* (Wright, 1938) = *Gilmocrinus beggi*

*Ophiurocrinus dactyloides* (Austin and Austin, 1842) = *Gilmocrinus dactyloides*

*Ophiurocrinus dactyloides* (Austin and Austin); Wright, 1950 (part) = *Gilmocrinus*  
*dactyloides*

*Ophiurocrinus dactyloides* (Austin and Austin); Wright, 1950 (part) = *Maevecrinus*  
*bothros*

*Ophiurocrinus* cf. *dactyloides* (Austin and Austin, 1842). Wright, J., 1960, p. 329,  
 Appendix, Pl. A, fig. 13. Webster, 1973, p. 186.  
 Mississippian, Tournaisian. Ireland

*Ophiurocrinus gowerensis* Wright, 1960 = *Glamorganocrinus gowerensis*

*Ophiurocrinus hebdenensis* Wright, J., 1950, p. 23, Pl. 6, figs. 4-5. Burdick and  
 Strimple, 1971b, p. 14, Fig. 1. Webster, 1973, p. 186. Webster, 1977, p. 119.  
 Carboniferous, Serpukhovian, Millstone Grit. United Kingdom  
 Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States,  
 Arkansas

\**Ophiurocrinus originarius* (Trautschold, 1867). Jaekel, 1918, p. 62. Bassler and  
 Moodey, 1943, p. 577. Moore and Strimple *in* Moore and Teichert, 1978, p.  
 T645, Fig. 421, no. 3. Webster, 1986, p. 223.

*Poteriocrinus originarius* Trautschold, 1867, p. 2, Pl. 1, fig. 1; Unnum. Fig. p. 2.  
 Trautschold, 1879, p. 110, Pl. 14, fig. 1. Bassler, 1938, p. 141. Bassler and  
 Moodey, 1943, p. 577.

Pennsylvanian, Moscovian. Russia, Moscow area

*Ophiurocrinus* sp. Kammer and Ausich, 1992, p. 475, Fig. 3.2.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa

**OPSIOCRINUS** Kier, 1952. \**O. mariana* Kier, 1952.

Sbc. Camerata, O. Diplobathrida. Spf. Rhodocrinitoidea, F. Opsiocrinidae  
Kier, 1952, p. 65. Kesling and Meyer, 1963, p. 178. Webster, 1973, p. 186.  
Webster,

1977, p. 119. Ubaghs *in* Moore and Teichert, 1978, p. T415. Frest and Strimple,  
1981, p. 641. Webster, 1988, p. 118.

*AMELIACRINUS* Kesling, 1968c, p. 159. \**A. benderi* Kesling, 1968. Webster, 1973,  
p. 48. Ubaghs *in* Moore and Teichert, 1978, p. T415.

Named, currently recognized species based on cups or crowns: 2 Devonian,  
Givetian species

Devonian, Givetian. United States, Michigan, Ohio

*Opsiocrinus benderi* (Kesling, 1968). Frest and Strimple, 1981, p. 641. Webster, 1988,  
p. 118.

*Ameliacrinus benderi* Kesling, 1968c, p. 159, Pls. 1-3; Figs. 1-2. Webster, 1973, p.  
48. Frest and Strimple, 1981, p. 641.

Devonian, Givetian, Silica Formation. United States, Ohio, Michigan

*Opsiocrinus mariae* Kier, 1952 = *Opsiocrinus mariana*

\**Opsiocrinus mariana* Kier, 1952, p. 66, Pl. 3, figs. 2-3. Kier, 1958, p. 201, Pl. 1, figs. 1-  
6; Figs. 1-2. Kesling and Meyer, 1963, p. 180, Pl. 1, figs. 1-6; Figs. 1-2. Webster,  
1973, p. 186. Webster, 1977, p. 119. Ubaghs *in* Moore and Teichert, 1978, p.  
T415, Fig. 225, no. 1. Frest and Strimple, 1981, p. 641. Webster, 1986, p. 223.  
Webster, 1988, p. 118.

*Opsiocrinus mariae* Kier, 1952. Kesling and Chilman, 1975, p. 165, Frontice, Pls.  
39, figs. 4-5; 40, figs. 11-14; 126, figs. 1-3; Unnum. Figs. p. 166

Devonian, Givetian, Silica Formation; Bell Shale. United States, Michigan

Order Cladida; Superfamily, Family, Genus and Species indeterminate Lane and  
Ausich, 1995, p. 1105, Fig. 7.5.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United  
States, Indiana

Order, family, genus, and species uncertain A Lane, Maples and Waters, 2001a, p.  
1055, Pl. 2, figs. 2-3.

*Rhodocrinus (Acanthocrinus)*, sp. Whidborne, 1895, p. 204, Pl. 24, figs. 6-6a.  
Whidborne, 1898. Lane, Maples and Waters, 2001a, p. 1055.

Devonian, Famennian, Marwood Beds. United Kingdom, North Devonshire

Order, family, genus, and species uncertain B Lane, Maples and Waters, 2001a, p.  
1055, Pl. 4, fig. 6 (incorrectly given as Pl. 3, fig. 6; Pl. 4 explanation opposite Pl.  
3).

*Megistocrinus?* sp. Whidborne, 1898. B Lane, Maples and Waters, 2001a, p. 1055.  
Devonian, Famennian, Pilton Beds. United Kingdom, North Devonshire

Order, family, genus, and species uncertain C Lane, Maples and Waters, 2001a, p. 1055, Pl. 4, fig. 3 (incorrectly given as Pl. 3, fig. 3; Pl. 4 explanation opposite Pl. 3).

*Platycrinus? anguliferus* Whidborne, 1899, p. 223, Pl. 37, figs. 8-12. Bassler and Moodey, 1943, p. 615. Lane, Maples and Waters, 2001a, p. 1055. Ausich and Kammer, 2009, p. 703.

cf. *Platycrinus anguliferus* Whidborne; Schmidt, 1930. B Lane, Maples and Waters, 2001a, p. 1055.

*Platycrinites anguliferous* (Whidborne); Bassler and Moodey, 1943. B Lane, Maples and Waters, 2001a, p. 1055.

Devonian, Famennian, Pilton Beds. United Kingdom, North Devonshire

Order, Family and Genus Unknown, species A Lane, N. G., 1970a, p. 16, Pl. 1, fig. 10; Fig. 2, no. A (set of arms). Webster, 1977, p. 181.

Ordovician, Darrivillian (Llanvirnian), Lehman Formation. United States, Utah.

Order, Family and Genus Unknown, species B Lane, N. G., 1970a, p. 16, Pl. 1, fig. 7 (set of arms). Webster, 1977, p. 181.

Ordovician, Tremodoc-Arenig boundary, Fillmore Limestone. United States, Utah.

Order, Family and Genus Unknown, species C Lane, N. G., 1970a, p. 17 (set of arms). Webster, 1977, p. 182.

Ordovician, Floian (Arenigian), Wahwah Limestone. United States, Utah.

Order, Family and Genus Unknown, species D Lane, N. G., 1970a, p. 17 (set of arms). Webster, 1977, p. 182.

Ordovician, Tremodoc-Arenig boundary, Fillmore Limestone. United States, Utah.

Order Monobathrida incertae sedis Ausich and Sevastopulo, 2001, p. 76, Pl. 8, figs. 20-21; Fig. 8, nos. C-D.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

**ORIGOCRINUS** Jaekel, 1918 = **ONYCHOCRINUS**

**ORMOCRINUS** Bassler, 1915 = **HORMOCRINUS**

*Ormocrinus tennesseensis* (Worthen, 1890) = *Hormocrinus tennesseensis*

**ORNATUSCRINITES** Hauser, 2007. \**Ornatocrinites pruemiensis* Hauser 2007.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, F. Poteriocrinitidae  
Hauser 2007, p. 70, Fig. 4. Hauser, 2008, p. 21, fig. 34.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Ornatocrinites pruemiensis* Hauser 2007, p. 70, Fig. 5, nos. a-b. Hauser, 2008, p. 21, Pl. 13, fig. 9; Fig. 33.

Devonian, Eifelian, Givetian, Ahbach Formation. Germany

?*Orthoceratites echidnoides* Schlotheim, 1813 = *Rhodocrinites verus*

**ORTHOOCRINUS** Jaekel, 1895. \**O. simplex* Jaekel, 1895.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Orthocrinidae  
Jaekel, 1895a, p. 29. Bather *in* Lankester, 1900, p. 198. Wachsmuth *in* Zittel, 1900,  
p. 145. Schmidt, W. E., 1913, p. 305. Springer *in* Zittel, 1913, p. 187. Bassler,  
1938, p. 142. Bassler and Moodey, 1943, p. 577. Ubaghs, 1953, p. 737.  
Webster, 1973, p. 186. Ubaghs *in* Moore and Teichert, 1978, p. T439. Webster,  
1986, p. 223. Webster, 1988, p. 119. Südkamp, 2007, p. 187, Fig. 4. LeMenn,  
2009, p. 468, Fig. 7.24, no. D.

Named, currently recognized species based on cups or crowns: 7 Devonian  
species, 1 subspecies; 1 Pragian, 3 Emsian, 3 Eifelian (+1  
subspecies)

Early - Middle Devonian. Germany, France, Spain

*Orthocrinus elongatus* Breimer, 1962a, p. 21, Pl. 3, fig. 10; Fig. 2, no. B. Webster,  
1973, p. 186. Ubaghs *in* Moore and Teichert, 1978, p. T439, Fig. 247, no. 1b.  
Webster, 1986, p. 223.

Devonian, late Emsian, Santa Lucia Formation. Spain

*Orthocrinus* aff. *elongatus* Breimer, 1962. Le Menn, 1985, p. 56, Pl. 8, figs. 16-17.  
Webster, 1988, p. 119.

Devonian, late Emsian, Verveur Formation. France, Armorican Massif

*Orthocrinus* sp. cf. *O. elongatus* Breimer, 1962a, p. 22, Pl. 1, figs. 4-6. Webster, 1973,  
p. 186.

Devonian. Spain

*Orthocrinus pinnatus* (Goldfuss, 1831). Südkamp, 2007, p. 199, Fig. 15, no. C.

*Cyathocrinites pinnatus* Goldfuss, 1831, p. 191, Pl. 58, Fig. 7a. Südkamp, 2007, p.  
199.

*Orthocrinus simplex* Jaekel; Hauser *in* Hauser and Sandeta, 2007, p. 71, Fig. 4.  
Südkamp, 2007, p. 199.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Orthocrinus plannus* Mellado, 1949 (*non* Schmidt, 1932) = *Orthocrinus robustus*

*Orthocrinus planus* Schmidt, W. E., 1932, p. 29, Pl. 4, fig. 1; Fig. 11. Bassler and  
Moodey, 1943, p. 577. Arenal, 1950, p. 657, Pls. 29-30; Fig. 1 (typographical  
error as *O. plannus* on plate explanation). Publication incorrectly listed under  
Mellado, 1949, by Webster, 1973. Schmidt, W. E., 1952, p. 162, Pl. 9, figs. 1a-  
1b; Fig. 11. Breimer, 1962a, p. 19. Breimer, 1962b, p. 325. China, 1965, p. 45.  
Webster, 1973, p. 187. Hauser *in* Hauser and Sandeta, 2007, p. 70, Pl. 2,  
fig. 121; Fig. 1.

Devonian, early Eifelian. Spain

*Orthocrinus primaevus* Le Menn, 1980, p. 252, Pl. 35, figs. 1-4; Fig. 61. Le Menn, 1985,

p. 55, Pl. 9, figs. 1-4; Fig. 2, no. D. Webster, 1986, p. 224. Webster, 1988, p. 119.

Devonian, early Pragian, l'Armorique Formation. France, Armorican Massif

*Orthocrinus* sp. aff. *O. primaevus* LeMenn, 1980. Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 3.

Devonian, early Eifelian, Santa Lucia Formation. Spain

*Orthocrinus robustus* Breimer, 1962a, p. 20, Fig. 2, no. C. Webster, 1973, p. 187.

Ubaghs in Moore and Teichert, 1978, p. T439, Fig. 247, no. 1c. Webster, 1986, p. 224.

*Orthocrinus plannus* Mellado, 1949, p. 657, Pls. 29-30; Fig. 1. Webster, 1973, p. 187.

Devonian, late Eifelian, Santa Lucia Formation. Spain

*Orthocrinus* cf. *robustus* Breimer, 1962. Le Menn, 1985, p. 57, Pl. 9, fig. 5. Webster, 1988, p. 119.

Devonian, late Emsian, Verveur Formation. France, Armorican Massif

\**Orthocrinus simplex* Jaekel, 1895a, p. 30, Fig. 6. Schmidt, W. E., 1942, p. 195, Pl. 21, fig. 7. Bassler, 1938, p. 142. Bassler and Moodey, 1943, p. 577. Webster, 1973, p. 187. Ubaghs in Moore and Teichert, 1978, p. T439, Fig. 247, no. 1a.

Webster, 1986, p. 224. Breuer *et al.*, 1992, p. 64, Pl. 11, fig. 1.

*Poteriocrinus rhenanus* Müller in Wirtgen and Zeiler, 1855, p. 20, Pl. 7, fig. 1 only.

Schmidt, W. E., 1942, p. 195. Bassler and Moodey, 1943, p. 577. Webster, 1973, p. 187.

*Orthocrinus* spec. (nov.?) Moore *et al.* 1978, p.439, Fig. 247, no. 1a. Südkamp, 2007, p. 199.

**Note:** The illustration by Moore *et al.* (Fig. 247, no. 1a) is the lectotype of *Orthocrinus simplex* and not the same species as *O. pinnatus*. GDW, 2010).

Devonian, Emsian (Coblenzian), Kieselgallen Beds. Germany

*Orthocrinus simplex* Jaekel 1895; Hauser in Hauser and Sandeta, 2007 = *Orthocrinus pinnatus*

*Orthocrinus* aff. *simplex* Jaekel, 1895. Hauser in Hauser and Sandeta, 2007, p. 70, Fig. 2, 3.

Devonian, Eifelian. Germany

*Orthocrinus tuberculatus* Schmidt, W. E., 1913, p. 307, Pl. 22, figs. 8-14. Schmidt, W. E., 1942, p. 196, Pl. 11, fig. 5; 21, fig. 4; Fig. 54. Bassler and Moodey, 1943, p. 577. Sieverts-Doreck, 1952, p. 428, Fig. 1. Webster, 1973, p. 187.

Devonian, Eifelian, *Orthocrinus* Beds. Germany

*Orthocrinus tuberculatus modesta* Schmidt, W. E., 1942, p. 200, Pl. 11, fig. 6. Webster, 1973, p. 187.

Devonian, Eifelian, *Cultrijugatus* Biozone. Germany

*Orthocrinus* spec. (nov.?) Moore et al. 1978 = *Orthocrinus simplex*

*Orthocrinus* sp. (nov.?) Breimer, 1962a, p. 23, Pl. 3, fig. 1; Fig. 2, no. A. Webster, 1973, p. 187.  
Devonian, early Emsian. Spain

*Orthocrinus* sp. Breimer, 1962a, p. 19, Pl. 3, fig. 12. Webster, 1973, p. 187.  
Devonian, early Eifelian. Spain

**ORTSAECRINUS** Gil et al., 1999. \**Ortsaecrinus cocae* Gil et al., 1999  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Gil et al., 1999, p. 862, Fig. 1, no. a. Ausich, Gil Cid, and Alonso, 2002, p. 979.  
Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian species  
Ordovician, Sandbian (Caradocian). Spain

\**Ortsaecrinus cocae* Gil et al., 1999, p. 866, Fig. 1, no. a; Figs. 4-7. Ausich, Gil Cid,  
and Alonso, 2002, p. 979, Figs. 5.1-5.2.  
Rhodocrinitid nov. gen. et nov. sp. Torres, Gil Cid, and Domínguez, 1999, p. 195,  
Figs. 1, 3.  
Ordovician, Sandbian (early Caradocian), Pizarras Cantera Formation. Spain

Ossicles belonging to unknown crinoids Moore, 1939b, p. 237, Fig. 12, nos. 1-2, 5.  
(basals of *Calceolispongia*, GDW)  
Permian, series uncertain. West Timor

**OTHNEIOCRINUS** Lane, 1978. \**Atopocrinus priscus* Lane, 1970.  
Sbc. Disparida, O. Homocrinida, F. Atopocrinidae  
Lane in Moore and Teichert, 1978, p. T549. Webster, 1986, p. 224. Sevastopulo  
and Lane, 1988, p. 252. Webster, 1993, p. 82. Ausich, 1998b, p. 36.  
**ATOPOCRINUS** Lane, N. G., 1970a, p. 14. \**A. priscus* Lane, 1970. Warn and  
Strimple, 1977, p. 72. Lane in Moore and Teichert, 1978, p. T549. Webster,  
1986, p. 224.  
Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Dapingian species  
Ordovician, Dapingian (Champlainian). United States

\**Othneiocrinus priscus* (Lane, 1970). Lane in Moore and Teichert, 1978, p. T549, Fig.  
342, no. 1. Webster, 1986, p. 224.  
\**Atopocrinus priscus* Lane, N. G., 1970a, p. 15, Pl. 1, figs. 4-6; Figs. 2F-2J. Warn  
and Strimple, 1977, p. 74, Pl. 2, figs. 1-3; Fig. 18. Lane in Moore and Teichert,  
1978, p. T549. Webster, 1986, p. 224.  
Ordovician, Dapingian (Champlainian), Kanosh Shale. Utah

**OTHOZECRINUS** Jell and Theron, 1999. \**Othozeocrinus royi* Jell and Theron, 1999.  
Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Lecythocrinidae  
Jell and Theron, 1999, p. 146.



Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species  
Devonian, Emsian. South Africa

\**Othozecrinus royi* Jell and Theron, 1999, p. 149, Figs. 29-31.  
Devonian, Emsian, Gydo and Gamka Formations. South Africa

**OTTAWACRINUS** Billings, 1887. \**O. typus* Billings, 1887.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Billings, W. R., 1887, p. 49. Miller, S. A., 1889, p. 265, Fig. 378. Bather, 1890b, p. 329. Miller, S. A., 1892a, p. 680. Bather *in* Lankester, 1900, p. 178. Bather, 1913b, p. 1. Springer, 1911b, p. 39. Bassler, 1915, p. 926. Bassler, 1938, p. 142. Bassler and Moodey, 1943, p. 577. Moore and Laudon, 1943b, p. 55, Fig. 7. Moore and Laudon, 1944, p. 158, Pl. 52, fig. 5. Moore, 1950, p. 34, Fig. 4, no. f. Ubaghs, 1953, p. 752, Fig. 9. Arendt and Hecker, 1964, p. 87. Webster, 1973, p. 187. Webster, 1977, p. 120. Lane *in* Moore and Teichert, 1978, p. T628, Fig. 394,

no. 2. Webster, 1986, p. 224. Simms, 1994b, p. 304, Figs. 1, no. A; 2, no. A. Simms, 1994c, p. 258, Figs. 1, no. A; 3, no. A. Ausich, 1998b, p. 34. Webster and Maples, 2006, p. 191, Fig. 1, no. D.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (middle Champlainian). Canada

*Ottawacrinus billingsi* Springer, 1911 = *Grenprisia billingsi*

*Ottawacrinus tenuis* Jaekel, 1918 = *Heterocrinus tenuis* = *Cincinnatiocrinus varibrachialus*

\**Ottawacrinus typus* Billings, W. R., 1887, p. 49, Unnum. Pl. Miller, S. A., 1889, p. 265. Bather, 1913c, p. 12, Pl. 1, figs. 1-9. Bassler, 1915, p. 926. Bassler and Moodey, 1943, p. 577. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 7. Moore and Laudon, 1944, p. 158, Pl. 53, fig. 24. Wilson, A. E., 1946, p. 38. Ubaghs, 1953, p. 752, Fig. 9. Sieverts-Doreck, 1957b, p. 152, Figs. 3-4. Moore, 1962b, p. 36, Pl. 1, fig. 3. Ubaghs, 1972, p. 775, Fig. 1, no. c. Webster, 1973, p. 187. Webster, 1977, p. 120. Lane *in* Moore and Teichert, 1978, p. T628, Fig. 394, no. 2. Webster, 1986, p. 224. Brett and Taylor, *in* Hess et al., 1999 p. 69, Fig. 80, no. g.

Ordovician, Katian (middle Champlainian), Cobourg Formation; Hull Limestone; Verulam Formation: Canada, Quebec, Ontario

*Ottawacrinus typus* Springer, 1911 (*non* Billings, 1887) = *Grenprisia springeri*

**OVALOCRINUS** Chen and Yao, 1993. \**O. pyriformis* Chen and Yao, 1993, OD.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinida, F. Codiocrinidae, Sbf. Codiocrinina

Chen and Yao, 1993, p. 60, 92, Fig. 36. Webster, Waters, and Chen, 2009, p. 151.

Named, currently recognized species based on cups or crowns: 1 Devonian,

Famennian species  
Middle Devonian. China, Yunnan Province

\**Ovalocrinus pyriformis* Chen and Yao, 1993, p. 61, 92, Pl. 11, figs. 10-12. Webster, Waters, and Chen, 2009, p. 151, Fig. 10, nos. d-h.  
Devonian, early Famennian, ?upper part of Heyuanzhai Formation, Dazhaimen Formation. China, Yunnan

**OXYNOCRINUS** Strimple and Watkins, 1969. \**O. spicata* Strimple and Watkins, 1969. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinotoidea, F. Exocrinidae  
Strimple and Watkins, 1969, p. 194. Strimple and Moore, 1971a, p. 34. Webster, 1977, p. 120. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T751. Webster, 1986, p. 224.  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, ?Morrowan species  
Pennsylvanian, Morrowan. United States, Texas

\**Oxynocrinus spicata* Strimple and Watkins, 1969, p. 184, Pl. 36, fig. 4. Webster, 1977, p. 120. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T751, Fig. 498, no. 2.  
*Oxynocrinus spicatus* Strimple and Watkins, 1969. Webster, 1986, p. 224.  
Pennsylvanian, Morrowan?, Marble Falls Limestone. United States, Texas

*Oxynocrinus spicatus* Strimple and Watkins, 1969 = *Oxynocrinus spicata*

**PABIANOCRINUS** Strimple and Pareyn, 1982 = ***Cibolocrinus (Pabinocrinus***

*Pabianocrinus abyssus* (Strimple, 1951) = *Cibolocrinus (Pabinocrinus) abyssus*

*Pabianocrinus detrusus* Strimple, 1951 = *Cibolocrinus (Pabinocrinus) detrusus*

\**Pabianocrinus seminolensis* (Strimple, 1969) = *Cibolocrinus (\*Pabinocrinus) seminolensis*

**PACHYCRINUS** Scudder, 1882 = ***PACHYOCRINUS***

**PACHYLOCRINUS** Wachsmuth and Springer, 1880. \**Scaphiocrinus aequalis* Hall, 1861.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Pachylocrinidae  
Wachsmuth and Springer, 1880, p. 115 (338). Miller, S. A., 1889, p. 265. Bather *in* Lankester, 1900, p. 180. Springer, 1911c, p. 145. Springer *in* Zittel, 1913, p. 222. Jaekel, 1918, p. 62. Wanner, 1924, p. 177. Springer, 1926b, p. 70.  
Wright, J., 1936, p. 398. Moore, 1939, p. 203. Moore and Plummer, 1940, p.

135. Bassler and Moodey, 1943, p. 578. Moore and Laudon, 1943b, p. 56.  
 Moore  
 and Laudon, 1944, p. 161. Cuénot, 1948, p. 61. Arendt and Hecker, 1964, p. 88.  
 Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 187. Webster, 1977, p. 120.  
 Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671. Webster,  
 1986,  
 p. 225. Lane and Sevastopulo, 1990, p. 336. Kammer and Ausich, 1993, p. 619.  
 Webster, 1993, p. 82.
- SCAPHIOCRINUS* Meek and Worthen, 1866a, p. 181, 237. Zittel, 1880, p. 344,  
 360, Fig. 248, no. b. Wachsmuth and Springer, 1880, p. 191 (115). Bather,  
 1890c, p. 374. Koken, 1896, p. 281. Bather *in* Lankester, 1900, p. 180.  
 Wachsmuth *in* Zittel, 1900, p. 159, Fig. 264. Springer, 1911c, p. 144. Bassler  
 and Moodey, 1943, p. 578.
- Named, currently recognized species based on cups or crowns: 24 species. 1  
 Devonian, Famennian; 21 Mississippian, 8 Tournaisian, 2 Tournaisian - Viséan  
 9 Viséan, 1 Viséan – Serpukhovian, 1 Serpukhovian; 2 Pennsylvanian,  
 Kassimovian (C3ks)  
 Devonian, Famennian. China  
 Mississippian, Tournaisian - ?Viséan. Europe  
 Mississippian, Tournaisian – Serpukhovian (Kinderhookian – Chesterian). North  
 America  
 Pennsylvanian, Kassimovian. Russia
- \**Pachylocrinus aequalis* (Hall, 1861). Springer, 1913, p. 222, Fig. 323). Springer,  
 1926b,  
 p. 71, Pl. 16, fig. 1. Moore and Plummer, 1940, p. 137, Fig. 19. Bassler and  
 Moodey, 1943, p. 578. Moore and Laudon, 1944, p. 161, Pl. 61, fig. 10. Van  
 Sant  
*in* Van Sant and Lane, 1964, p. 87, Pl. 4, figs. 1, 3, 6, 10; Fig. 33. Priest, 1973, p.  
 74, Fig. 5. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 187. Webster,  
 1977, p. 120. Moore, Strimple, and Lane, 1978, p. T671, Fig. 442, no. 2.  
 Webster, 1986, p. 225. Kammer and Ausich, 1993, p. 619, Figs. 5.17-5.20.  
 Gahn and Baumiller, 2010, p. 514d, Fig. 2, no. A.
- Scaphiocrinus aequalis* Hall, 1861a, p. 316. Hall, 1861b, p. 8. Hall, 1861c, p. 316.  
 Shumard, 1868, p. 395. Hall, 1872a, Pl. 5, fig. 10. Zittel, 1880, p. 337, 360,  
 Figs. 231, no. b; 248, no. a. Quenstedt, 1885, p. 946, 950, Pls. 75, figs. 20-21;  
 76a, fig. 10. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 639 (*non* p. 540).  
 Bassler, 1938, p. 143. Bassler and Moodey, 1943, p. 578.
- Woodocrinus aequalis* (Hall, 1861). Weller, 1898c, p. 639. Grabau and Shimer,  
 1910, p. 512, Fig. 1826. Wolf, 1979, p. 151, Fig. 2, no. c. Webster, 1986, p. 225.
- Poteriocrinus (Scaphiocrinus) aequalis* (Hall, 1861). Meek and Worthen, 1873, p.  
 494, Pl. 15, fig. 6. Bassler and Moodey, 1943, p. 578.
- Poteriocrinus aequalis* (Hall, 1861). Shumard, 1868, p. 391. Miller, S. A., 1889, p.  
 273.
- Poteriocrinus (Pachylocrinus) subaequalis* Wachsmuth and Springer, 1880, p. 339  
 (116). Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1993, p. 619.
- Scaphiocrinus gurleyi* White, C. A., 1878, p. 32. White, C. A., 1880c, p. 162, Pl. 40,  
 fig. 3a (Final Rpt. 1883). White, C. A., 1881a, p. 509, Pl. 7, fig. 8. White, C. A.,

- 1881b, p. 141, Pl. 7, fig. 8. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 581. Van Sant *in* Van Sant and Lane, 1964, p. 87. Webster, 1973, p. 187. Kammer and Ausich, 1993, p. 619.
- Poteriocrinus (Scaphiocrinus) gurleyi* (White, 1878). Kammer and Ausich, 1993, p. 619.
- Pachylocrinus gurleyi* (White, 1878). Bassler and Moodey, 1943, p. 581. Kammer and Ausich, 1993, p. 620.
- Mississippian, Viséan (Osagean), Edwardsville Formation; ?Keokuk Limestone. United States, Indiana, Iowa
- Pachylocrinus aqualis* Springer, 1926 = *Pelecocrinus aqualis*
- Pachylocrinus arboreus* (Springer, 1926) (part) = *Linocrinus arboreus* = *Linocrinus wachsmuthi*
- Pachylocrinus arrosus* (Miller and Gurley, 1893) = *Hylodecrinus briareus*
- Pachylocrinus asper* (Meek and Worthen, 1870) = *Linocrinus asper*
- Pachylocrinus asperatus* (Worthen, 1882) = *Sarocrinus asperatus*
- Pachylocrinus baschmakowae* Yakovlev and Ivanov, 1956, p. 25, Pl. 6, figs. 5-6. Arendt and Hecker, 1964, p. 88, Pl. 11, fig. 3. Webster, 1973, p. 187.
- Pennsylvanian, Kassimovian (C<sub>3</sub>ks). Russia, Moscow Basin
- Pachylocrinus bellirugosus* Moore, 1939 = *Plummericrinus bellirugosus* = *Microcaracrinus bellirugosus*
- Pachylocrinus bellus* (Miller and Gurley, 1890) = *Decadocrinus bellus* = *Aulocrinus bellus*
- Pachylocrinus bonoensis* (Miller and Gurley, 1890) = *Hylodecrinus bonoensis*
- Pachylocrinus boonvillensis* (Miller, 1891) = *Hylodecrinus briareus*
- Pachylocrinus brevidactylus* (Austin and Austin, 1843) = *Blothrocrinus brevidactylus* = *Blothrocrinus longidactylus*
- Pachylocrinus briareus* (Worthen, 1882) = *Hylodecrinus briareus*
- Pachylocrinus burketi* (Worthen, 1882) = *Poteriocrinites burketi*
- Pachylocrinus cachensis* Well, 1920 = *Dasciocrinus cachensis* = *D. floralis*
- Pachylocrinus carinatus* (Hall, 1861). Bassler and Moodey, 1943, p. 579.
- Scaphiocrinus carinatus* Hall, 1861a, p. 310. Hall, 1861b, p. 8. Hall, 1861c, p. 310. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Miller, S. A., 1897, p. 753.

Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579.  
*Poteriocrinus (Scaphiocrinus) carinatus* (Hall, 1861). Whitfield, 1893b, p. 31, Pl. 3,  
 figs. 13-14. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579.  
 Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone.  
 United States, Iowa

*Pachylocrinus cirrifer* Laudon, 1933 = *Cercidocrinus cirrifer* = *Paracosmetocrinus cirrifer*

*Pachylocrinus clavatus* Wright, 1937 = *Pedinocrinus clavatus*

*Pachylocrinus clio* (Meek and Worthen, 1870). Bassler and Moodey, 1943, p. 579.

*Poteriocrinites (Graphiocrinus; Scaphiocrinus) clio* Meek and Worthen, 1870a, p.  
 144. Bassler and Moodey, 1943, p. 579.

*Poteriocrinites (Scaphiocrinus) clio* Meek and Worthen, 1873, p. 408, Pl. 1, fig. 10.  
 Bassler and Moodey, 1943, p. 579.

*Scaphiocrinus clio* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 279. Weller,  
 S., 1898c, p. 541.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Pachylocrinus colubrosus* Moore, 1939 = *Plummericrinus colubrosus* = *Microcaracrinus*  
*colubrosus*

*Pachylocrinus concinnus* (Meek and Worthen), Wachsmuth and Springer, 1879 =  
*Cydrocrinus concinnus*

*Pachylocrinus conicus* (Phillips, 1836) (part) = *Bollandocrinus conicus*

*Pachylocrinus conicus* (Phillips, 1836) (part) = *Bollandocrinus erectus*

*Pachylocrinus constrictus* (Miller, 1891) = *Hylodecrinus briareus*

*Pachylocrinus coreyi* (Meek and Worthen, 1870) = *Abrotocrinus coreyi*

*Pachylocrinus corycia* (Hall, 1863). Bassler and Moodey, 1943, p. 580.

*Poteriocrinus corycia* Hall, 1863b, p. 57. Hall, 1864a, p. 57. Shumard, 1868, p. 391.  
 Miller, S. A., 1889, p. 274, 751. Weller, S., 1898c, p. 542. Bassler and Moodey,  
 1943, p. 580.

*Poteriocrinus (Scaphiocrinus) corycia* Hall, 1863. Hall and Whitfield, 1875c, p.  
 173, Pl. 12, fig. 9. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943, p. 580.

*Scaphiocrinus corycia* (Hall, 1863). Weller, S., 1898c, p. 542.

*Poteriocrinites corycia* (Hall, 1863). Lesley, 1889, p. 741, Fig. 9.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Pachylocrinus coxanus* Springer, 1926 = *Cydrocrinus coxanus* = *C. concinnus*

*Pachylocrinus? crassimanus* (M'Coy, 1849) = *Abrotocrinus crassimanus*

*Pachylocrinus cravenensis* Wright, 1942 = *Bollandocrinus cravenensis*

*Pachylocrinus dichotomus* (Hall, 1858). Bassler and Moodey, 1943, p. 580.

*Poteriocrinus (Scaphiocrinus) dichotomus* Hall, 1858c, p. 553, Fig. 72. Bassler and Moodey, 1943, p. 580.

*Scaphiocrinus dichotomus* (Hall, 1858). Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 543.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Pachylocrinus disparilis* (Miller and Gurley, 1890) = *Scytalocrinus disparilis*

*Pachylocrinus divaricatus* (Hall, 1859) = *Lekocrinus divaricatus*

*Pachylocrinus dunlopi* Wright, 1936 = *Aphelecrinus dunlopi*

*Pachylocrinus extensus* (Wachsmuth and Springer, 1886) = *Pachylocrinus asper* = *Linocrinus asper*

*Pachylocrinus fimbria* Laudon, 1933 = *Paracosmetocrinus fimbria* = *Cercidocrinus fimbria*

*Pachylocrinus florealis* Springer, 1926 = *Dasciocrinus florealis*

*Pachylocrinus gibsoni* (White, 1878) = *Hylodecrinus gibsoni*

*Pachylocrinus globosus* (Wachsmuth and Springer, 1889). Laudon and Beane, 1937, p. 256, Pl. 17, fig. 10. Bassler and Moodey, 1943, p. 580. Moore and Laudon, 1944, p. 161, Pl. 60, fig. 17. Webster, 1973, p. 188.

*Scaphiocrinus globosus* Wachsmuth and Springer, 1889, p. 279, Fig. 425.

Wachsmuth and Springer, 1890a, p. 196, Pl. 17, fig. 8. Weller, S., 1898c, p. 543. Bassler and Moodey, 1943, p. 580.

Mississippian, Tournaisian – Viséan (Kinderhookian-Osagean), Hampton Formation, Keokuk Limestone. United States, Iowa, Indiana

*Pachylocrinus gorbyi* (Miller, 1892) = *Lanecrinus repertus*

*Pachylocrinus granuliferus* (Miller and Gurley, 1890) = *Ramulocrinus granuliferus* = *Decadocrinus depressus* = *Lanecrinus depressus*

*Pachylocrinus gurleyi* (White, 1878) = *Pachylocrinus aequalis*

*Pachylocrinus impressus* Phillips, 1835 = *Poteriocrinites impressus*

*Pachylocrinus inordinatus* (Whidborne); Schimdt, 1930 = Family and genus indet. Lane, Maples, and Waters, 2001

*Pachylocrinus isacobus* (Austin and Austin, 1843). Bassler and Moodey, 1943, p. 581.

*Poteriocrinites isacobus* Austin and Austin, 1843, p. 195. Bassler and Moodey, 1943, p. 581. Wright, J., 1950, p. 9, Pl. 5, fig. 6. Webster, 1973, p. 221. Ausich and Sevastopulo, 2001, p. 91, Pl. 10, fig. 6, *nomen dubium*.

*Poteriocrinus isacobus* (Austin and Austin, 1843). Austin and Austin, 1846, p. 74, Pl. 8, figs. 4a-4b. Bronn, 1848, p. 1035. Bassler and Moodey, 1943, p. 581. Wright, J., 1950, p. 9. Webster, 1973, p. 221.

*Poteriocrinites minimus* Austin and Austin, 1842, p. 108. Bassler and Moodey, 1943, p. 642.

Mississippian, Tournaisian, Mountain Limestone. Ireland; United Kingdom

*Pachylocrinus jesupi* (Whitfield, 1881) = *Blothrocrinus jesupi*

*Pachylocrinus kirkianus* (Girty, 1928). Bassler and Moodey, 1943, p. 581.

*Scaphiocrinus kirkianus* Girty, 1928, p. 112, Pl. 22, figs. 1-2. Bassler and Moodey, 1943, p. 581.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Pocono Formation.

United States, Pennsylvania

*Pachylocrinus lacunosus* (Miller and Gurley, 1890) = *Hylodecrinus briareus*

*Pachylocrinus latidactylus* (Worthen, 1882) = *Dinotocrinus latidactylus*

*Pachylocrinus latifrons* (Austin); Wright, 1934 = *Borocrinus eirensis*

*Pachylocrinus latifrons* (Austin and Austin, 1847) = *Mendipocrinus latifrons*

*Pachylocrinus latifrons* (Austin and Austin, 1847). Wright, 1934 (part) = *Pachylocrinus? Wexfordensis* = *Paracosmetocrinus wexfordensis*

*Pachylocrinus? latifrons* (Austin and Austin, 1847). Wright, J., 1951b, p. 65, Pl. 31, fig. 5. Webster, 1973, p. 188.

Mississippian, Tournaisian. United Kingdom

*Pachylocrinus legrandensis* Laudon and Beane, 1937 = *Cosmetocrinus elegantulus* = *Aphelecrinus elegantulus*

*Pachylocrinus liliiformis* (Meek and Worthen, 1869). Bassler and Moodey, 1943, p. 581.

*Poteriocrinites (Scaphiocrinus) liliiformis* Meek and Worthen, 1869, p. 138. Bassler and Moodey, 1943, p. 581.

*Poteriocrinus (Pachylocrinus) liliiformis* (Meek and Worthen, 1869). Wachsmuth and Springer, 1880 (1879), p. 116 (339). Bassler and Moodey, 1943, p. 581.

*Scaphiocrinus liliiformis* (Meek and Worthen, 1869). Miller, S. A., 1889, p. 280.

*Poteriocrinus carinatus* Meek and Worthen, 1861 (*non* Hall, 1861), p. 139. Meek and

Worthen, 1868c, p. 486, Pl. 17, fig. 1. Shumard, 1868, p. 391. Miller, S. A., 1889,

p. 273, Fig. 403. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 581.  
*Woodocrinus liliiformis* (Meek and Worthen, 1869). Weller, S., 1898c, p. 640.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
 Iowa

*Pachyocrinus longidactylus* (Austin and Austin, 1847) = *Blothrocrinus longidactylus*

*Pachyocrinus* aff. *longidactylus* (Austin and Austin, 1843) = *Blothrocrinus longidactylus*

*Pachyocrinus longitentaculatus* (Rowley, 1901) = *Ampelocrinus longitentaculatus*

*Pachyocrinus lutanus* (Boos, 1939) = *Plummericrinus lutanus*

*Pachyocrinus macrocheirus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 582.  
*Cyathocrinus macrocheirus* M'Coy, 1844, p. 179, Pl. 25, figs. 8-10. d'Orbigny, 1850,  
 p. 157. Bassler and Moodey, 1943, p. 582.  
*Poteriocrinus (Scaphiocrinus) macrocheirus* (M'Coy, 1844). Wachsmuth and  
 Springer, 1886, p. 237 (161). Bassler and Moodey, 1943, p. 582.  
 Mississippian, Tournaisian, Mountain Limestone. Ireland

*Pachyocrinus manus* (Miller and Gurley, 1890) = *Abrotocrinus manus*

*Pachyocrinus martinensis* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p.  
 582.

*Scaphiocrinus martinensis* Miller and Gurley, 1893, p. 38, Pl. 4, fig. 9. Miller, S. A.,  
 1897, p. 753. Weller, S., 1898c, p. 545. Bassler and Moodey, 1943, p. 582.  
 Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone?. United States,  
 Indiana

*Pachyocrinus mcguirei* Moore, 1939 = *Plummericrinus mcguirei*

*Pachyocrinus monensis* Wright, 1938 = *Hypselocrinus monensis*

*Pachyocrinus montanensis* (Meek, 1873). Bassler and Moodey, 1943, p. 582.

*Poteriocrinus montanensis* Meek, 1873b, p. 469. White, 1880b, p. 128, Pl. 33, fig.  
 6a. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 545. Bassler and Moodey,  
 1943, p. 582.

*Scaphiocrinus montanensis* (Meek, 1873). Wachsmuth and Springer, 1886, p.  
 237. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 545. Bassler and Moodey,  
 1943, p. 582.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States,  
 Montana

?*Pachyocrinus nauvoensis* (Worthen, 1882) = *Hylodecrinus gibsoni*

*Pachyocrinus nodobasalis* (Worthen, 1889). Bassler and Moodey, 1943, p. 582.



*Poteriocrinus nodobasalis* Worthen in Miller, S. A., 1889, p. 274. Worthen, 1890, p. 89, Pls. 12, figs. 3-3a; 13, fig. 6. Weller, S., 1898c, p. 476. Bassler and Moodey, 1943, p. 582.

Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United States, Illinois

*Pachylocrinus norwoodi* (Meek and Worthen, 1865). Bassler and Moodey, 1943, p. 582.

*Poteriocrinus (Scaphiocrinus)? norwoodi* Meek and Worthen, 1865c, p. 158.

Shumard, 1868, p. 392. Bassler and Moodey, 1943, p. 582.

*Poteriocrinus norwoodi* Meek and Worthen, 1865. Miller, S. A., 1889, p. 275.

Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Illinois

*Pachylocrinus obscurus* (Wachsmuth and Springer, 1886) = *Armenocrinus tenuidactylus*

*Pachylocrinus ogarai* Moore and Plummer, 1940 = *Plummericrinus ogarai*

*Pachylocrinus okawensis* (Worthen, 1882) = *Aphelecrinus okawensis*

*Pachylocrinus pachypinnularis* Yakovlev and Ivanov, 1956 = *Microcaracrinus pachypinnularis*

*Pachylocrinus? plumifer* (Whidborne, 1898). Lane, Maples, and Waters, 2001a, p. 1073,

Pls. 1, fig. 8; 5, figs. 3, 9; 6, fig. 5.

*Scaphiocrinus? plumifer* Whidborne, 1898, p. 228, Pls. 31, 33, 36, 38. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1073.

*Hydriocrinus plumifer* (Whidborne); Schmidt, W. E., 1930, p. 57. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1073.

*Scytactocrinus[sic] plumifer* (Whidborne); Schmidt, 1930. Lane, Maples, and Waters, 2001a, p. 1073.

Devonian, Famennian, Pilton and Marwood Beds. United Kingdom, North Devon

*Pachylocrinus popensis* (Worthen, 1882) = *Fifeocrinus popensis* = *Aphelecrinus popensis*

*Pachylocrinus porrectus* (Miller, 1891) = *Scytalocrinus robustus*

*Pachylocrinus propinquus* (Worthen, 1882). Bassler and Moodey, 1943, p. 583.

*Poteriocrinus propinquus* Worthen, 1882, p. 26. Worthen, 1883, p. 299, Pl. 29, fig. 9.

Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583.

*Scaphiocrinus propinquus* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583.

Mississippian, Viséan - Serpukhovian (Chesterian), Ste. Genevieve Limestone, Glen Dean Limestone. United States, Illinois, Kentucky

cf. *Pachylocrinus propinquus* (Worthen, 1882) = *Fifeocrinus* cf. *F. propinquus*

*Pachylocrinus ramulosus* (Hall, 1861). Bassler and Moodey, 1943, p. 583.

*Scaphocrinus ramulosus* Hall, 1861a, p. 307. Hall, 1861b, p. 7. Hall, 1861c, p. 307. Shumard, 1868, p. 396. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Pachylocrinus randolphensis* (Worthen, 1873) = *Aphelecrinus randolphensis*

*Pachylocrinus raymondi* Laudon and Beane, 1937 = *Eratocrinus raymondi*

*Pachylocrinus repertus* (Miller and Gurley, 1890) = *Decadocrinus repertus* = *Ramulocrinus repertus* = *Lanecrinus repertus*

*Pachylocrinus sampsoni* (Miller, 1891). Peck and Keyte, 1938, p. 107, Pl. 31, fig. 19. Bassler and Moodey, 1943, p. 583.

*Scaphiocrinus sampsoni* Miller, S. A., 1891c, p. 46 (adv. pub.). Miller, S. A., 1892a, p. 681, Miller, S. A., 1892b, p. 656, Pl. 9, fig. 12. Weller, S., 1898c, p. 548. Bassler and Moodey, 1943, p. 583.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Pachylocrinus scoparius* (Hall, 1858) = *Aphelecrinus scoparius*

*Pachylocrinus? skinneri* Wright, 1951 = *Borocrinus eirensis*

*Pachylocrinus spartarius* Springer, 1926 = *Blothrocrinus spartarius*

*Pachylocrinus spinobrachiatus* (Worthen, 1882). Bassler and Moodey, 1943, p. 584.

*Poteriocrinus spinobrachiatus* Worthen, 1882, p. 20. Worthen, 1883, p. 290, Pl. 29, fig. 1. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 549. Bassler and Moodey, 1943, p. 584.

*Scaphiocrinus spinobrachiatus* (Worthen, 1882) (non Hall, 1861). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 280. Bassler and Moodey, 1943, p. 584.

Mississippian, Viséan (early Chesterian), Ste. Genevieve Limestone. United States, Illinois

*Pachylocrinus subcarinatus* (Hall, 1863). Bassler and Moodey, 1943, p. 584.

*Scaphiocrinus subcarinatus* Hall, 1863b, p. 58. Hall, 1864a, p. 58. Shumard, 1868, p. 396. Hall and Whitfield, 1875c, p. 176, Pl. 12, figs. 13-14. Miller, S. A., 1889, p. 280. Lesley, 1889, p. 932, Figs. 13-14. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 549. Grabau and Shimer, 1910, p. 509, Fig. 1824, nos. c-d. Bassler and Moodey, 1943, p. 584.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Pachylocrinus subpentagonalis* Lane, Waters, and Maples, 1997 = *Amadeusicrinus subpentagonalis*

*Pachylocrinus subtortuosus* (Hall, 1863). Ausich, 1996b, p. 249, Fig. 17-7, no. 1.

*Scaphiocrinus subtortuosus* Hall, 1863b, p. 58. Hall, 1864a, p. 58. Shumard, 1868, p. 396. Hall and Whitfield, 1875c, p. 177, Pl. 12, figs. 15-16. Miller, S. A., 1889, p.

280. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 408.

*Decadocrinus subtortuosus* (Hall, 1863). Wachsmuth and Springer, 1880 (1879), p. 120 (345). Lesley, 1889, p. 933, Figs. 15-16. Weller, S., 1898c, p. 214. Bassler and Moodey, 1943, p. 408.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Pachylocrinus tenuiramosus* Yakovlev, 1939a, p. 67, Pl. 12, fig. 5. Yakovlev and Ivanov, 1956, p. 24, Pl. 6, fig. 4. Arendt and Hecker, 1964, p. 88, Pl. 11, fig. 4. Webster, 1973, p. 188.

Pennsylvanian, Kasimovian (C<sub>3</sub>ks). Russia, Moscow Basin

*Pachylocrinus tielensis* Wright, 1936 = *\*Fifeocrinus tielensis*

*Pachylocrinus twenhofeli* Moore, 1939 = *Plummericrinus twenhofeli* = *Microcaracrinus twenhofeli*

*Pachylocrinus tyriensis* Wright, 1937 = *\*Scotiocrinus tyriensis*

*Pachylocrinus uddeni* Moore and Plummer, 1940 = *Texacrinus uddeni*

*Pachylocrinus varsoviensis* (Worthen, 1882) = *Sarocrinus varsoviensis*

*Pachylocrinus venustus* (Worthen, 1882) = *Aphelecrinus venustus*

*Pachylocrinus? washburni* (Beede, 1900) = *Haeretocrinus washburni*

*Pachylocrinus? wexfordensis* Wright, 1951 (part) = *Paracosmetocrinus wexfordensis*

*Pachylocrinus* spp.

Easton, 1942, p. 84, Pl. 2, fig. 7.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas

Laudon, Parks, and Spreng, 1952, p. 555, Pl. 65, fig. 34. Webster, 1973, p. 189.  
 Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Yakovlev and Ivanov, 1956, p. 24, Pl. 6, fig. 7. Webster, 1973, p. 189.  
 Pennsylvanian, Kasimovian (C<sub>3</sub>ks). Russia, Moscow Basin  
 Lane, N. G., 1986, p. 157, Figs. 2, 5, 8. Webster, 1993, p. 82.  
 Mississippian, Viséan (Osagean), Ramp Creek Formation. United States,  
 Indiana

**PACHYOCRINUS** Billings, 1859. \**P. crassibasalis* Billings, 1859.

Sbc. Camerata, O-F. uncertain

Billings, E., 1859a, p. 22. Shumard, 1868, p. 382. Bigsby, 1868, p. 22. Wachsmuth  
 and Springer, 1879, p. 145 (368). Zittel, 1880, p. 343, 353. Bather, 1900a, p.  
 203.

Bassler, 1915, p. 932. Bassler, 1938, p. 143. Bassler and Moodey, 1943, p. 585.  
 Moore and Laudon, 1943b, p. 104. Webster, 1973, p. 303. Ubaghs *in* Moore and  
 Teichert, 1978, p. T518. Jeffords *in* Moore and Teichert, 1978, p. T934.

**PACHYCRINUS** Billings, 1859. Scudder, 1882, p. 243.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
 Sandbian species

Ordovician, Sandbian (middle Champlainian). Canada, Montreal

\**Pachyocrinus crassibasalis* Billings, E., 1859a, p. 22, Pl. 1, figs. 3a-3b (Basal circlet).

Shumard, 1868, p. 382. Bassler, 1915, p. 932. Bassler, 1938, p. 143. Bassler  
 and Moodey, 1943, p. 585. Ubaghs *in* Moore and Teichert, 1978, p. T518, Fig.  
 319, no. 2. Webster, 1986, p. 225.

*Pachyocrinus crassi-basalis* Billings, 1859. Bigsby, 1868, p. 22.

Ordovician, Sandbian (middle Champlainian), Aylmer Formation. Canada, Montreal

*Pachyocrinus crassi-basalis* Billings, 1859 = *Pachyocrinus crassibasalis*

**PAGECRINUS** Kirk, 1929. \**P. gracilis* Kirk, 1929.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Kirk, 1929b, p. 1. Bassler, 1938, p. 143. Bassler and Moodey, 1943, p. 585. Moore  
 and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 158. Arendt and Hecker,  
 1964, p. 86. Webster, 1973, p. 189. Lane *in* Moore and Teichert, 1978, p. T630.  
 Cowen, 1981, p. 339. Webster, 1986, p. 225. Webster, 1988, p. 119.

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
 1 Emsian, 1 Frasnian

Devonian, Emsian. United States

Devonian, Frasnian. Russia

\**Pageocrinus gracilis* Kirk, 1929b, p. 1, Pl. 1, figs. 1-7. Bassler, 1938, p. 143. Bassler  
 and Moodey, 1943, p. 585. Moore and Laudon, 1944, p. 158, Pl. 57, fig. 4.

Webster, 1973, p. 189. Lane *in* Moore and Teichert, 1978, p. T630, Fig. 410, no.  
 1. Webster, 1986, p. 225.

Devonian, Emsian, Jeffersonville Limestone. United States, Indiana

*Pageocrinus heckeri* Yakovlev, 1941a, p. 327, Pl. 2, fig. 1. Yakovlev, 1947a, p. 56, Pl. 10, fig. 3. Arendt and Hecker, 1964, p. 86, Pl. 10, fig. 2. Webster, 1973, p. 189. Devonian, Frasnian, Pskov Beds. Russia, Main Devonian Field

**PAIANOCRINUS** Strimple, 1951. \**P. durus* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Laudonocrinidae

Strimple, 1951f, p. 669. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 189. Webster, 1977, p. 120. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667. Burdick and Strimple, 1983a, p. 86. Webster, 1986, p. 225. Webster, 1988, p. 119. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 82.

Named, currently recognized species based on cups or crowns: 3 Mississippian species, 3 Serpukhovian

Mississippian, Serpukhovian (Chesterian). United States, Oklahoma  
Mississippian, Serpukhovian, E2. Algeria

*Paianocrinus aptus* Strimple, 1951f, p. 670, Pl. 99, figs. 3-5. Strimple, 1961g, p. 22, Pl. 3, figs. 4, 5; Fig. 6. Webster, 1973, p. 189.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma

*Paianocrinus? carinatus* Webster et al., 2004, p. 56, Pl. 15, figs. 16-18.

Mississippian, Serpukhovian, E2, Djenien Formation, Djenien Member. Algeria

\**Paianocrinus durus* Strimple, 1951f, p. 669, Pl. 99, figs. 6-8. Webster, 1973, p. 189. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667, Fig. 437, no. 1.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma

*Paianocrinus* sp. Burdick and Strimple, 1983a, p. 86, Pl. 23, figs. 1-3. Webster, 1988, p. 119.

Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama

**PAIDEROCRINUS** Ausich, 1985. \**P. ochthos* Ausich, 1985.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Stelidiocrinidae

Ausich, 1985, p. 800. Webster, 1988, p. 119.

Named, currently recognized species based on cups or crowns: 2 Silurian, Llandoveryian species

Silurian, Llandoveryian. United States, Ohio

*Paideroocrinus asketos* Ausich, 1985, p. 803, Figs. 3, no. 8; 8. Webster, 1988, p. 120.

Silurian, Llandoveryian, Brassfield Formation. United States, Ohio

\**Paiderocrinus ochthos* Ausich, 1985, p. 802, Figs. 3, nos. 1-2, 4-5; 7. Webster, 1988, p. 120.

Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

*Palaeochinus paradoxus* Eichwald, 1856 = *Platycrinus paradoxus*

**PALAEOCRINUS** Billings, 1859. \**P. striatus* Billings, 1859.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Porocrinidae

Billings, E., 1859a, p. 24. Shumard, 1868, p. 383. Bigsby, 1868, p. 22, 196. Zittel, 1880, p. 343, 352. Miller, S. A., 1889, p. 267. Bather *in* Lankester, 1900, p. 172. Bassler, 1915, p. 935. Bassler, 1938, p. 143. Bassler and Moodey, 1943, p. 585. Moore and Laudon, 1943b, p. 50, Fig. 4. Moore and Laudon, 1944, p. 153, Pl.

52,

fig. 22. Ubaghs, 1953, p.750, Fig. 33, no. c. Xu, 1962, p. 45, 50, Fig. 1. Moore, 1962b, p. 15, Fig. 9, no. 7. Webster, 1973, p. 189. Webster, 1977, p. 121. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Sprinkle, 1982, p. 154.

Sprinkle, 1988, p. 120. Ausich, 1998b, p. 34.

**PALEOCRINUS** Frest and Strimple, 1978b, p. 167, Fig. 2, no. c. Webster, 1986, p. 225.

Named, currently recognized species based on cups or crowns: 9 Ordovician species, 1 Darriwilian - Sandbian, 3 Sandbian, 2 Sandbian – Katian, 3 Katian Ordovician, Darriwilian – Katian (Champlainian). North America

*Palaeocrinus angulatus* (Billings, E., 1857), p. 269. Billings, E., 1859, p. 45, Pl. 3, figs. 6a-6b. Shumard, 1868, p. 383. Bigsby, 1868, p. 22, 196. Miller, S. A., 1889, p. 267. Bassler, 1915, p. 935. Bassler and Moodey, 1943, p. 585. Wilson, A. E., 1946, p. 40, Pl. 6, fig. 1. Webster, 1973, p. 189. Brower and Veinus, 1978, p. 451, Pl. 16, fig. 3. Webster, 1986, p. 225.

*Dendrocrinus angulatus* Billings, E., 1857a, p. 269. Shumard, 1868, p. 383.

Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Bassler, 1915, p. 935. Bassler and Moodey, 1943, p. 585.

*Cyathocrinus angulatus* (Billings, 1857). Wachsmuth and Springer, 1879, p. 308 (p. 85). Bassler, 1915, p. 935.

Ordovician, Katian (Champlainian), Hull Limestone; Curdsville Limestone; Cobourg Formation; Decorah Shale. Canada, Ontario; United States, Kentucky, Minnesota

*Palaeocrinus avondalensis* Brower and Veinus, 1974, p. 59, Pl. 5, fig. 4. Webster, 1986, p. 226.

Ordovician, Sandbian (Champlainian), Benbolt Formation or Lincolnshire Formation, Hogskin Member. United States, Tennessee

*Palaeocrinus chapmani* (Billings, 1858). Hudson, 1911, p. 244, Fig. 20. Bassler, 1915, p. 935. Bassler and Moodey, 1943, p. 585.

*Palaeocystites chapmani* Billings, E., 1858, p. 71. Miller, S. A., 1889, p. 267.

Bassler, 1915, p. 935. Bassler and Moodey, 1943, p. 585.

Ordovician, Sandbian – Katian (Champlainian), Chazy Limestone. Canada

- Palaeocrinus hudsoni* Sinclair, 1945, p. 715, Pl. 2, figs. 11-13. Webster, 1973, p. 189. Sprinkle, 1982, p. 155, Pls. 13, figs. 6, 9-11; 14, figs. 1-35; Figs. 46, nos. A-E, H-L; 47. Webster, 1988, p. 120.  
Ordovician, Darriwilian - Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Palaeocrinus planobasalis* Brower and Veinus, 1974, p. 38, Pls. 5, fig. 5; 6, 7; 8, figs. 3-4, 6. Ubaghs *in* Moore and Teichert, 1978, p. T208, Fig. 176, nos. 1-4. Webster, 1986, p. 226.  
*Palaeocrinus* aff. *P. striatus* Billings, 1859. Butts, C., 1941, p. 91, Pl. 89, figs. 9-11. Webster, 1973, p. 189. Brower and Veinus 1974, p. 38.  
*Paleocrinus* aff. *P. striatus* Billings, 1859. Webster, 1986, p. 226.  
Ordovician, Sandbian (Champlainian), Benbolt Formation or equivalent part of Dryden Formation; Wardell Formation; Witten Formation; Lincolnshire Formation; Ottosee Shale or Sevier Shale; unknown horizons. United States, Tennessee, Virginia
- Palaeocrinus* sp. cf. *P. planobasalis* Brower and Veinus, 1974. Sprinkle, 1982, p. 163, Pl. 14, figs. 36-37; Fig. 46, no. G. Webster, 1988, p. 120.  
Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Palaeocrinus pulchellus* Billings, E., 1859a, p. 46. Shumard, 1868, p. 383. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 267. Bassler, 1915, p. 936. Bassler and Moodey, 1943, p. 585. Wilson, A. E., 1946, p. 40, Pl. 6, fig. 3. Webster, 1973, p. 189.  
*Cyathocrinus pulchellus* (Billings, 1859). Wachsmuth and Springer, 1879, p. 310 (p. 87). Bassler, 1915, p. 936.  
Ordovician, Katian (Champlainian), Hull Limestone. Canada, Ontario
- Palaeocrinus rhombiferus* Billings, E., 1859a, p. 45. Shumard, 1868, p. 383. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 267. Bassler, 1915, p. 936. Bassler and Moodey, 1943, p. 585. Wilson, A. E., 1946, p. 40, Pl. 6, fig. 2. Webster, 1973, p. 189.  
*Cyathocrinus rhombiferus* (Billings, 1859). Wachsmuth and Springer, 1879, p. 310 (p. 87). Bassler, 1915, p. 936.  
Ordovician, Katian (Champlainian), Hull Limestone, Prosser Limestone, Cobourg Formation. Canada, Ontario; United States, Minnesota
- \**Palaeocrinus striatus* Billings, E., 1859a, p. 25, Pl. 1, figs. 5a-5b. Shumard, 1868, p. 383. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 267, Figs. 383-384. Bassler, 1938, p. 143. Bassler and Moodey, 1943, p. 585. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 10. Moore and Laudon, 1944, p. 153, Pl. 53, fig. 19. Bassler, 1915, p. 936. Webster, 1973, p. 189. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Figs. 377, no. 4; 378, no. 2. Webster, 1986, p. 225.  
*Cyathocrinus striatus* (Billings, 1859). Wachsmuth and Springer, 1879, p. 310 (p. 87). Bassler, 1915, p. 936.

Ordovician, Sandbian – Katian (middle Champlainian), Chazyan, Aylmer Formation.  
Canada, Ontario, Quebec

*Palaeocrinus* aff. *P. striatus* Billings, 1859 = *Palaeocrinus planobasalis*

*Palaeocrinus sulcatus* Safford, 1869, p. 286 (*nomen nudum*). Miller, S. A., 1889, p. 267. Bassler, 1915, p. 936. Bassler and Moodey, 1943, p. 585.  
Ordovician, Katian (Champlainian), Pierce Limestone. United States, Tennessee

*Palaeocrinus* sp. Sprinkle, 1982, p. 162, Pl. 14, figs. 38-42, Fig. 46, no. F. Webster, 1988, p. 120.  
Middle Ordovician, Sandbian (Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Palaeocrinus?* sp. Sprinkle, 1971, p. D90, Fig. 1, no. 16.  
Ordovician, Sandbian – Katian (Champlainian). Canada, United States

*Palaeocystites chapmani* Billings, 1858 = *Palaeocrinus chapmani*

**PALAEOHOLOPUS** Wanner, 1916. \**P. pretiosus* Wanner, 1916.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Palaeoholopodidae

Wanner, 1916, p. 251. Wanner, 1924, p. 80. Springer, 1926b, p. 95. Wanner, 1929, p. 321. Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 585. Moore and Laudon, 1943b, p. 76. Branson, C. C., 1948, p. 203. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 189. Moore *in* Moore and Teichert, 1978, p. T789. Webster, 1986, p. 226.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Palaeoholopus pretiosus* Wanner, 1916, p. 279, Pl. 111 (16), fig. 11. Wanner, 1929, p. 319, Pl. 8, figs. 4-5; Fig. 1. Wanner, 1930, p. 48, Fig. 30. Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 203. Ubaghs, 1953, p. 756, Fig. 135. Webster, 1973, p. 189. Ubaghs *in* Moore and Teichert, 1978, p. T94, Fig. 70, no. 14. Moore *in* Moore and Teichert, 1978, p. T789, Figs. 525, no. 1; 526, no. 1. Webster, 1986, p. 226. Kendrick, 2007, p. 346, Fig. 9, no. K.  
Permian, series uncertain. West Timor

**PALEOCRINUS** Frest and Strimple, 1978 = **PALAEOCRINUS**

*Paleocrinus* aff. *P. striatus* Billings, 1859 = *Palaeocrinus planobasalis*

Paleozoic crinoids unidentified camerate and cladid Gahn and Baumiller, 2010, p. 514j, Fig. 9.

**PALMATOCRINUS** Knapp, 1969 = **DELOCRINUS**



*Palmatocrinus? delicatulus* (Moore, 1939) = *Contocrinus delicatulus*

*Palmatocrinus ponderosus* (Strimple, 1949) = *Delocrinus ponderosus*

**PALMEROCRINUS** Knapp, 1969. \**P. comptus* Knapp, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae

Knapp, 1969, p. 360, Fig. 3. Moore and Strimple, 1973, p. 66. Webster, 1977, p. 121. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717. Webster, 1986, p. 226.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Morrowan, 1 Atokan

Pennsylvanian, Morrowan - Atokan. United States

\**Palmerocrinus comptus* Knapp, 1969, p. 361, Pl. 61, figs. 13-21 only. Webster, 1977, p. 121. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 473, no. 3. Webster, 1986, p. 226.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Palmerocrinus comptus* Knapp, 1969 (part) = *Diphuicrinus typus*

*Palmerocrinus profundus* Moore and Strimple, 1973, p. 66, Pl. 17, figs. 1a-1c; Fig. 5, nos. 3a-3c. Webster, 1977, p. 121. Strimple, 1980b, p. 7, Pl. 1, figs. 1-3. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717. Webster, 1986, p. 226.

Pennsylvanian, Morrowan, Wapanucka Formation; Oquirrh Formation; La Pasada Formation. United States, Oklahoma, Utah, New Mexico

*Palmerocrinus kesslerensis* Moore and Strimple, 1973, p. 67, Pl. 17, figs. 2a-2d. Webster, 1977, p. 121.

Pennsylvanian, Morrowan, Bloyd Formation. United States, Arkansas

**PANDANOCRINUS** Jell *et al.*, 1988. \**P. martinwellensis* Jell *et al.*, 1988.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, F. Pandanocrinidae  
Jell *et al.*, 1988, p. 382. Webster, 1993, p. 82.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 2 Pragian, 1 Pragian or early Emsian

Devonian, Pragian - ?early Emsian. Australia, Queensland, New South Wales

*Pandanocrinus geuriensis* Jell *et al.*, 1988, p. 385, Fig. 19, nos. G-O. Webster, 1993, p. 82.

Devonian, Pragian or early Emsian, Garra Formation. Australia, New South Wales

\**Pandanocrinus martinwellensis* Jell *et al.*, 1988, p. 383, Figs. 17-18, no. A; 19, nos. A-F. Webster, 1993, p. 82. Jell, 1999b, p. 351, Fig. 1, nos. A-B.

Devonian, Pragian (*sulcatus* Biozone), Shield Creek Formation, Martins Well Limestone Member. Australia, Queensland

*Pandanocrinus wellingtonensis* Jell *et al.*, 1988, p. 385, Figs. 18, no. B; 21, nos. C-K.  
Webster, 1993, p. 82.

Devonian, Pragian (*sulcatus* Biozone), Garra Formation. Australia, New South  
Wales

*Pandanocrinus* sp. cf. *P. wellingtonensis* Jell *et al.*, 1988, p. 386, Figs. 18, no. C; 21,  
nos. A-B. Webster, 1993, p. 83.

Devonian, Lochkovian or Pragian, Mount Holly Beds. Australia, Queensland

**PANDORACRINUS** Jaekel, 1918. \**P. pinnulatus* Jaekel, 1918.

Sbc. Disparida, O. Maenillicrinida, F. Maenillicrinidae

Jaekel, 1918, p. 56. Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 586.

Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 190. Moore and Lane *in*

Moore and Teichert, 1978, p. T615. Webster, 1986, p. 227. Fione, *et al.*, 2002, p.  
99.

Named, currently recognized species based on cups or crowns: 2 Ordovician  
species, 1 Darriwilian, 1 Sandbian

Middle - Late Ordovician, Darriwilian, Sandbian. Czech Republic, Bohemia; United  
Kingdom

*Pandoracrinus mincopensis* Ramsbottom, 1961, p. 18, Pl. 3, fig. 7. Webster, 1973, p.  
190. Fone *et al.*, 2002, p. 99, Pls. 1, figs. 1-4; 2, figs. 1-3; 3, figs. 1-2, 5-6; 4, fig.  
1.

Ordovician, Darriwilian (Llandeilian), Meadowtown Formation. United Kingdom

\**Pandoracrinus pinnulatus* Jaekel, 1918, p. 56, Fig. 48. Bassler, 1938, p. 144. Bassler  
and Moodey, 1943, p. 586. Moore and Lane *in* Moore and Teichert, 1978, p.  
T615, Fig. 400, no. 4. Webster, 1986, p. 227.

Ordovician, Sandbian, (D1). Czech Republic, Bohemia

**PARABARYCRINUS** Chen and Yao, 1993. \**P. complanatus* Chen and Yao, 1993.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Barycrinidae

Chen and Yao, 1993, p. 59, 91, Fig. 34. Webster, Waters, and Chen, 2009, p. 154.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species

Mississippian, Tournaisian. China, Yunnan Province

\**Parabarycrinus complanatus* Chen and Yao, 1993, p. 59, 91, Pl. 6, fig. 5; Fig. 35, nos.  
a-b (typographical error as *Parabaryerinus complanatus* p. 91). Webster,  
Waters, and Chen, 2009, p. 154, Fig. 10, nos. t-w.

Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan  
Province

**PARABOTRYOCRINUS** Yakovlev, 1941. \**P. tschudovenssis* Yakovlev, 1941.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F.  
Botryocrinidae

Yakovlev, 1941a, p. 328. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 190.  
 Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 227.  
 Named, currently recognized species based on cups or crowns: 1 Devonian,  
 Frasnian species  
 Devonian, Frasnian. Russia, St. Petersburg District

\**Parabotryocrinus tschudovensis* Yakovlev, 1941a. Webster, 1973, p. 190. Moore and  
 Lane *in* Moore and Teichert, 1978, p. T615, Fig. 400, no. 3. Webster, 1986, p.  
 227.

*Parabotryocrinus tschudowensis* Yakovlev, 1941a, p. 328, Pl. 2, fig. 2. Yakovlev,  
 1947a, p. 57, Pl. 10, fig. 4. Arendt and Hecker, 1964, p. 86, Pl. 9, fig. 17.  
 Devonian, early Frasnian, Chudovo Beds. Russia, St. Petersburg District

*Parabotryocrinus tschudowensis* Yakovlev, 1941 = *Parabotryocrinus tschudovensis*

**PARABURSACRINUS** Wanner, 1924. \**Bursacrinus procerus* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F.  
 West Timorechinidae

Wanner, 1924, p. 180. Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 586.  
 Moore and Laudon, 1943b, p. 59. Branson, C. C., 1948, p. 204. Webster, 1973,  
 p. 190. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754.  
 Webster, 1986, p. 227. Webster, 1987, p. 123. Webster, 1993, p. 83.

Named, currently recognized species based on cups or crowns: 8 Permian species,  
 1 subspecies: 3 late Sakmarian – early Artinskian, 5 series uncertain (+1  
 subspecies, series uncertain)

Permian, series uncertain. West Timor

Permian, late Sakmarian - early Artinskian. Australia, Western Australia

*Parabursacrinus compressus* Wanner, 1924, p. 226, Pl. 12, figs. 9-11; Fig. 36. Bassler  
 and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204.

Permian, series uncertain. West Timor, Basleo

*Parabursacrinus conus* Wanner, 1924, p. 228, Pl. 12, figs. 7-8; Fig. 37. Bassler and  
 Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204.

Permian, series uncertain. West Timor, Basleo

*Parabursacrinus? gracilis* Wanner, 1949a, p. 38, Pl. 3, figs. 8-9; Fig. 13. Webster,  
 1973, p. 190.

Permian, series uncertain. West Timor

*Parabursacrinus granulatus* Wanner, 1949. Webster, 1987, p. 124, fig. 14, nos. A-D.  
 Webster, 1993, p. 83. Teichert and Webster, 1993, p. 8, Pl. 66, figs. 9-12.

Webster and Jell, 1999b, p. 311, Fig. 14, nos. A-B.

*Parabursacrinus magnificus* var. *granulata* Wanner, 1949a, p. 35, Pl. 3, figs. 1-3.  
 Webster, 1973, p. 190.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
 Western Australia

- Parabursacrinus magnificus* (Wanner, 1916). Wanner, 1924, p. 232. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204. Wanner, 1949a, p. 34, Pl. 2, figs. 28-29. Webster, 1973, p. 190. Webster, 1987, p. 123, Fig. 14, nos. I-Q. Teichert and Webster, 1993, p. 8, Pl. 66, figs. 13-15. Webster, 1993, p. 83.
- Bursacrinus magnificus* Wanner, 1916, p. 177, Pl. 106 (11). Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204.
- Permian, late Sakmarian - early Artinskian, Callytharra Formation. West Timor, Basleo; Australia, Western Australia
- Parabursacrinus magnificus* var. *granulata* Wanner, 1949 = *Parabursacrinus granulatus*
- Parabursacrinus nefotassiensis* Wanner, 1924, p. 224, Pl. 12, figs. 5-6; Fig. 35. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T754, Fig. 499, nos. 5b-5c. Webster, 1986, p. 227. Webster, 1987, p. 124, Fig. 14, nos. E-H. Webster, 1993, p. 83.
- Permian, late Sakmarian - early Artinskian, Callytharra Formation. West Timor; Australia, Western Australia
- \**Parabursacrinus procerus* (Wanner, 1916). Wanner, 1924, p. 223, Pl. 12, fig. 14; Fig. 34. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T754, Fig. 499, no. 5a. Webster, 1986, p. 227.
- Bursacrinus procerus* Wanner, 1916, p. 181, Pl. 106 (11), fig. 7; Fig. 52. Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204.
- Permian, series uncertain. West Timor, Basleo
- Parabursacrinus pyramidatus* (Wanner, 1916). Wanner, 1924, p. 230. Marez Oyens, 1940a, p. 333, Pl. 4, fig. 3. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204. Wanner, 1949a, p. 36, Pl. 3, figs. 4-7. Webster, 1973, p. 190.
- Bursacrinus pyramidatus* Wanner, 1916, p. 184, Pl. 106 (11), fig. 8. Bassler and Moodey, 1943, p. 586. Branson, C. C., 1948, p. 204.
- Permian, series uncertain. West Timor, Basleo
- Parabursacrinus pyramidatus granulatus* Wanner, 1924, p. 230, Pl. 12, figs. 12-13; Fig. 38. Bassler and Moodey, 1943, p. 587. Branson, C. C., 1948, p. 204.
- Permian, series uncertain. West Timor, Basleo
- PARACATILLOCRINUS** Wanner, 1916. \**P. granulatus* Wanner, 1916.
- Sbc. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae
- Wanner, 1916, p. 6. Springer, 1923a, p. 28. Wanner, 1930, p. 14. Bassler, 1938, p. 144. Moore, 1940b, p. 86. Bassler and Moodey, 1943, p. 587. Moore and Laudon, 1943b, p. 30. Branson, C. C., 1948, p. 204. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16, Fig. 12, no. 4. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 190. Willink, 1978, p. 86, Fig. 4. Moore and Strimple in Moore and Teichert, 1978, p. T546, Fig. 334, no. 4. Smith, A. B., 1985, p. 170. Webster, 1986, p. 227. Webster, 1988, p. 120. Webster, 1993, p. 83.
- Named, currently recognized species based on cups or crowns: 4 Permian species,

2 Artinskian, 2 series uncertain  
 Permian, series uncertain. West Timor  
 Permian, Artinskian. Russia, Ural Mountains

*Paracatillocrinus ellipticus* Wanner, 1916 = *Paracatillocrinus granulatus*

\**Paracatillocrinus granulatus* Wanner, 1916, p. 10, Pl. 96 (1), figs. 1-2; Fig. 1.  
 Springer, 1923b, p. 29, Pl. 5, fig. 22. Wanner, 1924, p. 125, Pl. 20, figs. 1-2.  
 Wanner, 1930, p. 15, Pl. 2, figs. 3-9, Fig. 9. Wanner, 1937, p. 112, Fig. 29.  
 Bassler, 1938, p. 144. Bassler and Moodey, 1943, p. 587. Branson, C. C., 1948,  
 p. 204. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 340, nos.  
 1a-1e, 1i-1k. Smith, A. B., 1985, p. 170, Pl. 7.4.20. Webster, 1986, p. 227.  
 Webster, 1988, p. 120.

*Paracatillocrinus ellipticus* Wanner, 1916, p. 14, Pl. 96 (1), fig. 4. Springer, 1923a,  
 p. 29, Pl. 5, figs. 23-24. Bassler and Moodey, 1943, p. 587. Branson, C. C.,  
 1948, p. 204. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig.  
 340, nos. 1f-1h. Webster, 1986, p. 227.

Permian, series uncertain. West Timor, Basleo

*Paracatillocrinus shakhtauensis* Arendt, 2007a, p. 61, pl. 9, figs. 6-77. Arendt, 2007b, p.  
 67, Pl. 9, figs. 6-7; Fig. 3, no. d.

Permian, late Artinskian. Russia, Ural Mountains

*Paracatillocrinus shamnovi* Arendt, 2007a, p. 60, Pl. 9, figs. 4-5. Arendt, 2007b, p. 66,  
 Pl. 9, figs. 4-5; Fig. 3, no. c.

Permian, late Artinskian. Russia, Ural Mountains

*Paracatillocrinus spinosus* Wanner, 1916, p. 12, Pl. 96 (1), fig. 3; Fig. 2. Springer,  
 1923a, p. 29. Bassler and Moodey, 1943, p. 587. Branson, C. C., 1948, p. 204.

Permian, series uncertain. West Timor

*Paracatillocrinus?* sp. indet. Hashimoto, 1984, p. 6, Pl. 1, figs. 1a-1c; Fig. 4, nos. 1a-  
 1b. Webster, 1993, p. 83.

Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica*  
 Biozone. Japan

*Paracatillocrinus* sp. Lane et al. 1996 = *Rhepocatillocrinus tianshanensis*

**PARACLIDochirus** Webster and Fox, 1986. \**Clidochirus keyserensis* Springer,  
 1920.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F.  
 Ichthyocrinidae

Webster and Fox, 1986, p. 406. Webster, 1993, p. 83.

Named, currently recognized species based on cups or crowns: 3 species. 1

Silurian, Ludlovian or Pridoli; 2 Devonian, Lochkovian, 1 Famennian  
 Silurian, Ludlovian - Early Devonian, Lochkovian, Famennian. United States

*Paraclidochirus graciosus* (Strimple, 1963). Webster and Fox, 1986, p. 407. Webster, 1993, p. 83.

*Clidochirus graciosus* Strimple, 1963d, p. 113, Pls. 8, figs. 9-10; 9, fig. 7. Webster, 1973, p. 82. Webster and Fox, 1986, p. 405. Webster, 1993, p. 83.  
Devonian, Lochkovian, Haragan Formation. United States, Oklahoma

\**Paraclidochirus keyserensis* (Springer, 1920). Webster and Fox, 1986, p. 407. Webster, 1993, p. 83.

*Clidochirus keyserensis* Springer, 1920a, p. 298, Pl. 39, figs. 9-11. Bassler and Moodey, 1943, p. 366. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 4. Moore and Laudon, 1944, p. 183, Pl. 69, fig. 18. Webster, 1973, p. 82. Moore *in* Moore and Teichert, 1978, p. T793, Fig. 531, nos. 2a-2b. Webster and Fox, 1986, p. 405. Webster, 1986, p. 98. Webster, 1993, p. 83.  
Silurian, Ludlovian or Pridoli (Cayugan), Keyser Limestone: United States, Maryland, West Virginia

*Paraclidochirus schultzi* Webster and Fox, 1986, p. 407, Figs. 1-2. Webster, 1993, p. 83.

Devonian, Fammenian, Three Forks Formation, Trident Member. United States, Idaho

**PARACOLOCRINUS** Brett, 1980. \**P. paradoxicus* Brett, 1980.

Sbc. Disparida, O. Eustenocrinida, F. Acolocrinidae  
Brett, 1980, p. 915. Webster, 1986, p. 227.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species  
Silurian, Wenlockian. United States, New York

\**Paracolocrinus paradoxicus* Brett, 1980, p. 915, Pl. 1, figs. 1-11; Fig. 1. Webster, 1986, p. 228.

Silurian, Wenlockian, Rochester Shale. United States, New York

**PARACOSMETOCRINUS** Strimple, 1967. \**P. strakai* Strimple, 1967.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Aphelecrinidae

Strimple, 1967, p. 82. Webster, 1973, p. 190. Webster, 1977, p. 121. Moore and Strimple *in* Moore and Teichert, 1978, p. T655. Webster, 1986, p. 228. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 83. Ausich, 2003a, p. 143. Webster et al., 2003, p. 27.

Named, currently recognized species based on cups or crowns: 10 Mississippian, Tournaisian species  
Mississippian, Tournaisian (Kinderhookian). United States, Iowa, Montana, Utah

*Paracosmetocrinus cirrifer* (Laudon, 1933). Strimple, 1967, p. 81. Jacobson, 1970, p. 232, Pl. 3, fig. 2. Webster, 1973, p. 190. Webster, 1977, p. 121.

*Pachyocrinus cirrifer* Laudon, 1933, p. 63, Pl. 6, figs. 3-4. Bassler and Moodey, 1943, p. 360. Strimple, 1967, p. 81. Webster, 1973, p. 190.

- Cercidocrinus cirrifer* (Laudon, 1933). Kirk, 1938, p. 164. Bassler and Moodey, 1943, p. 360.  
Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa
- Paracosmetocrinus crawfordsvillensis* (Miller and Gurley, 1890), Strimple, 1967 = *Hypselocrinus indianensis* = *H. hoveyi*
- Paracosmetocrinus delicatus* Webster et al., 2003, p. 29, Fig. 11.1.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province
- Paracosmetocrinus fimbria* Jacobson, 1970 = *Cercidocrinus fimbria*
- Paracosmetocrinus lundii* Ausich, 2003a, p. 143, Figs. 1.1-1.2  
Mississippian, Tournaisian (Kinderhookian), upper part of Fitchville Formation. United States, Utah
- Paracosmetocrinus madisonensis* (Laudon and Severson, 1953). Strimple, 1967, p. 81. Webster, 1973, p. 190. Webster, 1997, p. 29, Pl. 7, fig. 9.  
*Aphelecrinus madisonensis* Laudon and Severson, 1953. Strimple, 1967, p. 81. Webster, 1973, p. 190.  
*Amphielecrinus madisonensis* Laudon and Severson, 1953, p. 521, Pls. 51, figs. 20-21; 55, figs. 10-11.  
Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation; Henderson Canyon Formation, Brush Canyon Member. United States, Montana, Utah
- Paracosmetocrinus peterseni* Webster, 1997, p. 32, Pl. 7, fig. 5-6.  
Mississippian, Tournaisian, upper part of Chinese Wall Member, Henderson Canyon Formation. United States, Utah
- Paracosmetocrinus rotundus* Webster, 1997, p. 31, Pl. 7, figs. 3-4, 10-11.  
Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah
- Paracosmetocrinus sacculatus* (Laudon and Severson, 1953. Webster, 1997, p. 28.  
*Amphielecrinus sacculatus* Laudon and Severson, 1953. p. 522, Pls. 51, fig. 1; 55, fig. 7  
*Aphelecrinus sacculatus* (Laudon and Severson, 1953). Webster, 1973, p. 56.  
Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana
- \**Paracosmetocrinus strakai* Strimple, 1967, p. 84, Pl. 1, figs. 1-5. Webster, 1973, p. 190. Webster, 1986, p. 227.  
*Paracometocrinus straki* Strimple, 1967. Moore and Strimple in Moore and Teichert, 1978, p. T655, Fig. 428, no. 5.  
Mississippian, Tournaisian (Kinderhookian), Wassonville Limestone. United States, Iowa

*Paracometrocrinus straki* Strimple, 1967 = *Paracosmetrocrinus strakai*

*Paracosmetrocrinus utriculus* Webster, 1997, p. 30, Pl. 7, figs. 1-2, 7.  
Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon  
Formation. United States, Utah

*Paracosmetrocrinus wexfordensis* (Wright, 1951). Ausich and Sevastopulo, 2001, p.  
107, Pl. 11, figs. 15-16; Fig. 13, nos. A, D-E.

*Pachylocrinus? wexfordensis* Wright, J., 1951b, p. 66, Pl. 31, figs. 1, 10, 13 (part).  
Webster, 1973, p. 189. Ausich and Sevastopulo, 2001, p. 107.

*Pachylocrinus latifrons* (Austin and Austin, 1847). Wright, J., 1934 (part), Pl. 15,  
figs. 9-10, 16 only. Wright, J., 1951b, p. 66. Webster, 1973, p. 189.  
Mississippian, late Tournaisian, Hook Head Formation. Ireland

**PARACREMACRINUS** Brower, 1977. \**P. laticardinalis* Brower, 1977.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Brower, 1977, p. 3. Brower, 1982, p. 94, Fig. 30, no. C. Ausich, 1984a, p. 1182.

Webster, 1986, p. 228. Brower, 1987, p. 1001, Fig. 3, no. 2. Brower, 1988a, p.  
917, Fig. 1. Webster, 1988, p. 120. Brower, 1990, p. 302, Fig. 4. Webster, 1993,  
p. 84. Harvey and Ausich, 1997, p. 304. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Sandbian species

Ordovician, Sandbian (early Champlainian). United States

\**Paracremacrinus laticardinalis* Brower, 1977, p. 5, Pls. 1-2; Fig. 2, nos. a-e. Brower,  
1982, p. 90, Figs. 31, nos. E-H; 33-38. Brower, 1985, p. 14, Fig. 3. Webster,  
1986, p. 228. Brower, 1987, p. 1001, Figs. 3, nos. 5, 8; 4, nos. 4-6, 16-18.  
Brower, 1988a, p. 919, Figs. 3, nos. 2, 4; 6, nos. 1-3; 9, nos. 1-3. Brower, 1988b,  
p. 74, Figs. 2-6. Webster, 1988, p. 120. Brower, 1990, p. 301, Fig. 7, nos. 1-2.  
Webster, 1993, p. 84.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Mountain Lake  
Member. United States, Oklahoma

**PARACROCRINUS** Arendt and Stupachenko, 1983. \**Acrocrinus mjatschkowensis*  
Yakovlev, 1926.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
Acrocrinidae

Arendt and Stupachenko, 1983, p. 73. Arendt and Stupachenko, 1984, p. 75.

Webster, 1988, p. 120.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian,  
Moscovian species

Pennsylvanian, Moscovian. Russia, Moscow District

\**Paracrocrinus mjatschkowensis* (Yakovlev, 1926). Arendt and Stupachenko, 1983,  
p. 74, Pl. 10, figs. 1-2; Fig. 2. Arendt and Stupachenko, 1984, p. 75, Pl. 10, figs.  
1-2; Fig. 2. Webster, 1988, p. 120.

*Acrocrinus mjatschkowensis* Yakovlev, 1926b, p. 47, Figs. 3-4. Bassler and  
Moodey, 1943, p. 265. Yakovlev and Ivanov, 1956, p. 34, Pl. 8, fig. 7. Arendt



and Hecker, 1964, p. 97, Pl. 15, fig. 6. Moore and Strimple, 1969a, p. 42. Webster, 1973, p. 34. Webster, 1977, p. 157. Arendt and Stupachenko, 1983, p. 74. Arendt and Stupachenko, 1984, p. 75. Webster, 1988, p. 120.  
*Springeracrocricinus mjatschkowensis* (Yakovlev, 1926). Moore and Strimple, 1969a, p. 42, Fig. 24, no. 7. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T487, Fig. 289, nos. 2c-2d. Arendt and Stupachenko, 1983, p. 74. Arendt and Stupachenko, 1984, p. 75. Webster, 1986, p. 287. Webster, 1988, p. 120.  
 Pennsylvanian, Moscovian, Myachkovo Horizon, Peskovo Beds. Russia, Moscow Basin

*Paracrocricinus yakovlevi* Arendt and Stupatchenko, 1983, p. 77, Pl. 10, figs. 3-5, Fig. 3. Arendt and Stupatchenko, 1984, p. 79, Pl. 10, figs. 3-5; Fig. 3. Webster, 1988, p. 120.  
 Pennsylvanian, Moscovian, Myachkovo Horizon, Novla Beds. Russia, Moscow District

**PARACROMYOCRINUS** Strimple, 1966. \**Parulocricinus vetulus* Lane, 1964.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae  
 Strimple, 1966a, p. 4. Strimple and Watkins, 1969, p. 161. Strimple and Moore, 1971a, p. 24. Moore and Strimple, 1973, p. 59. Strimple and Moore, 1973b, p. 13. Webster, 1973, p. 190. Webster, 1977, p. 122. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 457. Webster, 1981, p. 1195, Fig. 1. Webster, 1986, p. 228. Webster, 1988, p. 120. Webster, 1993, p. 84.  
 Named, currently recognized species based on cups or crowns: 5 Pennsylvanian species, 1 Morrowan, 1 Atokan, 1 Desmoinesian, 2 Missourian  
 Pennsylvanian, Morrowan - Missourian. United States

*Paracromyocricinus compactus* (Moore and Plummer, 1940) = *Aglaocricinus compactus*

*Paracromyocricinus magnus* (Strimple, 1949). Strimple and Moore, 1973b, p. 14, Fig. 9, nos. 10-12. Webster, 1977, p. 122.  
 Pennsylvanian, Desmoinesian, Minturn Formation (formerly called McCoy Formation). United States, Colorado

*Paracromyocricinus marquisi* (Moore and Plummer, 1940) = *Aglaocricinus marquisi*

*Paracromyocricinus marquisi* (Moore and Plummer, 1940). Strimple, 1966a, p. 5. Strimple, 1969, p. 33, Figs. 1-2. Webster, 1973, p. 190. Webster, 1977, p. 122. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 460, no. 1d. Webster, 1986, p. 228.  
*Parulocricinus marquisi* Moore and Plummer, 1940. Strimple, 1966a, p. 5. Webster, 1973, p. 190. Finsley, 1989, p. 97, Fig. 327.  
 Pennsylvanian, Missourian, Sam Creek Member; Canyon Group. United States, Oklahoma, Texas

*Paracromyocrinus* sp. cf. *P. marquisi* (Moore and Plummer, 1940). Strimple and Miller, 1971, p. 39, Fig. 17, no. 8. Webster, 1977, p. 122.  
Pennsylvanian, Atokan - Desmoinesian boundary, Pinkerton Trail Limestone. United States, Colorado.

*Paracromyocrinus molasensis* Strimple and Miller, 1971 = *Synarmocrinus molasensis*

*Paracromyocrinus oklahomensis* (Moore and Plummer, 1938) = *Aglaocrinus oklahomensis*

*Paracromyocrinus planatus* Strimple, 1975e, p. 11, Figs. 8, no. 5; 9, nos. 5-6.  
Webster, 1986, p. 228.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

*Paracromyocrinus pustulosus* (Moore and Plummer, 1940). Strimple, 1966a, p. 5.  
Webster, 1973, p. 191.

*Parulocrinus pustulosus* Moore and Plummer, 1940. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 31. Strimple, 1966a, p. 5. Webster, 1973, p. 191.

*Aglaocrinus pustulosus* (Moore and Plummer, 1940). Strimple, 1961g, p. 86.  
Webster, 1973, p. 191. Pabian and Strimple, 1980a, p. 160, Fig. 4, nos. D-F.  
Webster, 1986, p. 50. Pabian and Rushlau, 2002, p. 26.

**Note:** Pabian and Rushlau, 2002, give no reason for reassigning their specimen to

*Aglaocrinus Pustulosus* (GDW 2011).

Pennsylvanian, Missourian, Mineral Wells Formation; Argentine Limestone. United States, Texas, Iowa

\**Paracromyocrinus vetulus* (Lane, 1964). Strimple, 1966a, p. 5. Webster, 1973, p. 191. Webster, 1977, p. 122. Moore and Strimple in Moore and Teichert, 1978, p. T700, Fig. 460, nos. 1a-1c. Webster, 1986, p. 228.

*Parulocrinus vetulus* Lane, N. G., 1964b, p. 681, Pl. 112, figs. 11-13. Strimple, 1966a, p. 5. Strimple, 1968, p. 33 (*non P. vetulus* Lane and Webster as given p. 33). Webster, 1973, p. 191.

Pennsylvanian, Morrowan, Bird Spring Formation. United States, Nevada

*Paracromyocrinus?* sp. Moore and Strimple, 1973, p. 61, Pl. 15, figs. 2a-2c (brachials). Webster, 1977, p. 122.

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

*Paracromyocrinus?* sp. indet. Hashimoto, 1984, p. 14, Pl. 4, figs. 1a-1c. Webster, 1993, p. 84.

Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone.

Japan

**PARACTOCRINUS** Jaekel, 1918. \**P. tuberculatus* Jaekel, 1918.

"Inadunata", O. - Spf. uncertain, F. Paractocrinidae

Jaekel, 1918, p. 25. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 587. Webster, 1973, p. 191. Arendt, 1976a, p. 81. Strimple *in* Moore and Teichert, 1978, p. T758. Etensohn, 1984, p. 65, Fig. 1. Webster, 1986, p. 229. Webster, 1988, p. 121.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species  
Ordovician, Darriwilian (Llanvirnian). Russia, Baltic Region

\**Paractocrinus tuberculatus* Jaekel, 1918, p. 25, fig. 15. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 587, possible abnormal growth. Ubaghs, 1953, p. 669, Fig. 8. Webster, 1973, p. 191. Arendt, 1976a, p. 82, Pl. 1, fig. 3; Fig. 6. Strimple *in* Moore and Teichert, 1978, p. T758, Fig. 504, nos. 1a-1c. Webster, 1986, p. 229.

Ordovician, Darriwilian (Llanvirnian). Russia, Baltic Region

**PARACYDONOCRINUS** Arendt, 1970. \**P. diviensis* Arendt, 1970.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Arendt, 1970a, p. 106. Webster, 1977, p. 122. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1986, p. 229.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species  
Permian, late Artinskian. Russia

\**Paracydonocrinus diviensis* Arendt, 1970a, p. 107, Pl. 5, fig. 16; Fig. 15. Webster, 1977, p. 123. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Fig. 386, no. 1. Webster, 1986, p. 229.

Permian, late Artinskian, Sarga Horizon. Russia, Priurals, Siberia

**PARACYMBOCRINUS** Burdick and Strimple, 1973. \**P. ormandi* Burdick and Strimple, 1973.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Aesiocrinidae

Burdick and Strimple, 1973, p. 239. Webster, 1977, p. 123. Moore and Strimple *in* Moore and Teichert, 1978, p. T741. Webster, 1986, p. 229. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 84.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Serpukhovian species  
Mississippian, Serpukhovian (Chesterian). United States, Arkansas, Oklahoma

*Paracymbiocrinus armandi* Burdick and Strimple, 1973 = *Paracymbiocrinus ormandi*

\**Paracymbiocrinus ormandi* Burdick and Strimple, 1973b, p. 240, Pl. 2, figs. 11-13, 15-17; Fig. 5. Webster, 1977, p. 123. Webster, 1986, p. 229.

*Paracymbiocrinus armandi* Burdick and Strimple, 1973. Moore and Strimple *in* Moore and Teichert, 1978, p. T741, Fig. 492, no. 1.

Mississippian, Serpukhovian (Chesterian), Imo Formation. United States, Arkansas

*Paracymbiocrinus pitkini* (Strimple, 1955). Burdick and Strimple, 1973b, p. 240.  
Webster, 1977, p. 123.

*Cymbiocrinus pitkini* Strimple, 1955, p. 14, Fig. 1. Burdick and Strimple, 1973b, p. 240. Webster, 1973, p. 97. Webster, 1977, p. 123.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma

**PARADELOCRINUS** Moore and Plummer, 1938. \**P. aequabilis* Moore and Plummer, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Paradelocrinidae

Moore and Plummer, 1938, p. 294. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 587. Moore and Laudon, 1943b, p. 60. Moore and Laudon, 1944, p. 173.

Knapp, 1969, p. 352, Fig. 1. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 191. Webster, 1977, p. 123. Moore, Strimple, and Lane *in* Moore and Teichert,

1978, p. T709. Webster, 1986, p. 229.

Named, currently recognized species based on cups or crowns: 6 Pennsylvanian species, 3 Morrowan, 1 Desmoinesian, 2 Virgilian  
Pennsylvanian, Morrowan, Desmoinesian, Virgilian. United States

\**Paradelocrinus aequabilis* Moore and Plummer, 1938, p. 295, Pl. 114, figs. 4a-4e; Fig. 35. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 587. Moore and Laudon, 1944, p. 173, Pls. 62, fig. 3; 65, fig. 20. Strimple, 1960b, p. 154, Fig. 2, no. B. Knapp, 1969, p. 352, Fig. 5. Webster, 1973, p. 191. Webster, 1977, p. 123. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T709, Fig. 466, no. 4. Webster, 1986, p. 229.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma

*Paradelocrinus atoka* Strimple, 1961 = *Protencrinus atoka*

*Paradelocrinus brachiatus* Moore and Plummer, 1940 = *Protencrinus brachiatus* =  
*Neoprotencrinus brachiatus*

*Paradelocrinus burdeni* Pabian and Strimple, 1974b, p. 36, Fig. 17, nos. 1-2.  
Webster, 1986, p. 230.

Pennsylvanian, Virgilian, Curzon Limestone. United States, Nebraska

*Paradelocrinus cranei* Strimple, 1949 = *Neoprotencrinus cranei*

*Paradelocrinus decoratus* Burke, 1970 = *Graffhamicrinus decoratus*

?*Paradelocrinus decoratus* Burke, 1970 = *Graffhamicrinus decoratus*

*Paradelocrinus disculus* Strimple, 1949 = *Neoprotencrinus disculus*

*Paradelocrinus dubius* (Mather, 1915) = \**Arkacrinus dubius*

*Paradelocrinus inflexus* (Geinitz, 1867) = *Subarrectocrinus inflexus*

*Paradelocrinus iolaensis* Strimple, 1949 = \**Sublobalocrinus iolaensis*

*Paradelocrinus johnstonensis* Strimple, 1961 = *Cricocrinus johnstonensis* =  
*Neoprotencrinus johnstonensis*

*Paradelocrinus matheri* (Moore and Plummer, 1938). Knapp, 1969, p. 352. Webster, 1977, p. 123.

*Delocrinus matheri* Moore and Plummer, 1938, p. 289, Pls. 13, fig. 3; 14, fig. 7a. Bassler and Moodey, 1943, p. 410. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 11. Knapp, 1969, p. 352. Webster, 1973, p. 122. Webster, 1977, p. 123.

*Endelocrinus matheri* (Moore and Plummer, 1938). Strimple, 1960b, p. 151, Figs. 1-2A. Moore and Strimple, 1973, p. 67, Pl. 17, figs. 3a-d. Webster, 1973, p. 122. Webster, 1977, p. 77. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 470, nos. 3b-3d. Webster, 1986, p. 138.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma

*Paradelocrinus nederi* Webster and Lane, 1970, p. 290, Pl. 57, figs. 1-3. Webster, 1977, p. 123.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Paradelocrinus obovatus* Moore and Plummer, 1940 = *Parerisocrinus obovatus* =  
*Erisocrinus obovatus*

*Paradelocrinus planus* (White, 1879) = *Sublobalocrinus planus*

*Paradelocrinus protensus* Moore and Plummer, 1940 = \**Neocatacrinus protensus*

*Paradelocrinus regulatus* Strimple, 1949 = *Cricocrinus regulatus* = *Neoprotencrinus regulatus*

*Paradelocrinus? sinus* Moore and Plummer, 1938, p. 302, Pl. 16, figs. 7a-7l. Bassler and Moodey, 1943, p. 588.

Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma, Arkansas

*Paradelocrinus subplanus* Moore and Plummer, 1940 = *Cricocrinus subplanus* =  
\**Neoprotencrinus subplanus*

*Paradelocrinus thurmanensis* Pabian and Strimple, 1974b, p. 22, Figs. 9, no. 2; 10, no. 4; 11, nos. 1-3. Webster, 1986, p. 230.

Pennsylvanian, Virgilian, Coal Creek Limestone. United States, Iowa, Kansas

*Paradelocrinus? toddanus* (Butts, 1898) = *Cricocrinus toddanus* = *Neoprotencrinus toddanus*

*Paradelocrinus wapanucka* Strimple, 1961 = *Cricocrinus wapanucka* = *Pontotocrinus wapanucka* = *Erisocrinus wapanucka*

*Paradelocrinus* sp. 1 Breimer, 1962 = *Cyathocrinites* advanced

*Paradelocrinus* sp. 2 Breimer, 1962 = *Atokacrinus* sp.

**PARADIABOLOCRINUS** Brower and Veinus, 1974. \**P. irregularis* Brower and Veinus, 1974.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Brower and Veinus, 1974, p. 92. Ubaghs *in* Moore and Teichert, 1978, p. T430.  
Kolata, 1982, p. 201. Webster, 1986, p. 230. Webster, 1988, p. 121. Ausich,  
1998b, p. 35.

Named, currently recognized species based on cups or crowns: 3 Ordovician,  
Sandbian species

Ordovician, Sandbian (Champlainian). United States, Oklahoma, Tennessee,  
Virginia

\**Paradiabolocrinus irregularis* Brower and Veinus, 1974, p. 94, Pl. 13, fig. 3. Ubaghs  
*in* Moore and Teichert, 1978, p. T430, Fig. 238, no. 1. Webster, 1986, p. 230.  
Ordovician, Sandbian (Champlainian), Benbolt or Wardell Formation. United States,  
Tennessee

*Paradiabolocrinus sinuorugosus* Brower and Veinus, 1974, p. 95, Pl. 12, fig. 6.  
Webster, 1986, p. 230.

*Diabolocrinus asperatus?* (Miller and Gurley, 1894). Butts, C., 1941, p. 91, Pl. 89,  
figs. 4-5 only. Webster, 1973, p. 104. Brower and Veinus, 1974, p. 95.  
Webster, 1986, p. 230.

Ordovician, Sandbian (Champlainian), Benbolt Formation; Dryden Limestone;  
Ottosee Limestone. United States, Virginia

*Paradiabolocrinus stellatus* Kolata, 1982, p. 201, Pl. 21, figs. 9-13; Fig. 55. Webster,  
1988, p. 121.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Mountain Lake  
Member. United States, Oklahoma

**PARADICHOCRINUS** Springer, 1926. \**Dichocrinus polydactylus* Casseday and Lyon,  
1862.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
Dichocrinidae

Springer, 1926b, p. 51. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 588.  
Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 199. Ubaghs,  
1953, p. 740. Arendt and Hecker, 1964, p. 97. Strimple and Moore, 1971a, p. 39.  
Lane, N. G., 1973, p. 72, Fig. 15. Webster, 1973, p. 192. Webster, 1977, p. 124.  
Lane *in* Moore and Teichert, 1978, p. T477. Broadhead, 1981, p. 133. Webster,

1986, p. 230. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 121. Webster, 1993, p. 84.

Named, currently recognized species based on cups or crowns: 6 Mississippian species, 2 Tournaisian, 4 Viséan

Mississippian, Tournaisian - Viséan. United States

*Paradichocrinus concinnus* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus concinnus* Miller, S. A., 1891c, p. 63, Pl. 4, figs. 16-18. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 437. Bassler and Moodey, 1943, p. 618.

*Platycrinites concinnus* (Miller, 1891). Bassler and Moodey, 1943, p. 618. Ausich and Kammer, 2009, p. 704.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Paradichocrinus liratus* (Hall, 1861). Broadhead, 1981, p. 134, Pls. 9, figs. 2-3, 8; 10, fig. 11. Webster, 1988, p. 121. Lee, Ausich, and Kammer, 2005, p. 346.

*Dichocrinus liratus* Hall, 1861a, p. 290. Hall, 1861b, p. 5. Hall, 1861c, p. 290.

Shumard, 1868, p. 366. Hall, 1872c, Pl. 2-A, figs. 7-8. Miller, S. A., 1889, p. 239.

Wachsmuth and Springer, 1897, p. 759, Pls. 76, fig. 8; 77, figs. 3a-3b. Weller,

S.,

1898c, p. 223. Bassler and Moodey, 1943, p. 421. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 4. Webster, 1973, p. 107.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Nada Member, Borden Formation. United States, Iowa, Missouri, Kentucky

*Paradichocrinus planus* Springer, 1926b, p. 51, Pl. 10, figs. 2-4. Bassler and Moodey, 1943, p. 588. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 6b.

Broadhead, 1981, p. 135, Pls. 9, fig. 11; 10, figs. 2-3, 7-8, 10; Fig. 3. Kammer,

1984, p. 119, Fig. 2, no. D. Broadhead, 1985, p. 211, Fig. 5, no. F. Webster,

1986, p. 230. Webster, 1988, p. 121. Ausich and Kammer, 1991b, p. 942, Figs. 2.1-2.2.

Mississippian, Viséan (late Osagean), Keokuk Limestone, Edwardsville Formation; Borden Formation, New Providence Shale Member. United States, Indiana, Kentucky, Missouri

\**Paradichocrinus polydactylus* (Casseday and Lyon, 1862). Springer, 1926b, p. 51,

Pl. 10, figs. 5-6. Bassler and Moodey, 1943, p. 589. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 1. Moore and Laudon, 1944, p. 199, Pl. 78, figs. 1, 6. Van

Sant

*in* Van Sant and Lane, N. G., 1964, p. 124, Pl. 8, figs. 7, 11; Figs. 17, nos. 6, 7; 19, nos. 5-6, 8. Van Sant *in* Van Sant and Lane, N. G., 1973, p. 60, Fig. 20.

Webster, 1973, p. 193. Webster, 1977, p. 124. Ubaghs *in* Moore and Teichert, 1978, p. T168, Fig. 139, nos. 3-5. Lane *in* Moore and Teichert, 1978, p. T477,

Fig. 281, no. 6a. Broadhead, 1981, p. 133, Pl. 10, figs. 1, 4-6, 9, Fig. 2, no. F.

Kammer, 1984, p. 119, Fig. 2, no. E. Webster, 1986, p. 230. Webster, 1988, p. 122.

*Dichocrinus polydactylus* Casseday and Lyon, 1862, p. 18. Shumard, 1868, p.

366. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 756, Pl. 77,

- figs. 1a-1b. Weller, S., 1898c, p. 224. Grabau and Shimer, 1910, p. 521, Fig. 1845, nos. a-b. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 589. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70.
- Dichocrinus expansus* Meek and Worthen, 1868b, p. 343. Meek and Worthen, 1873, p. 500, Pl. 14, fig. 1. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 224. Bassler and Moodey, 1943, p. 419. Van Sant *in* Van Sant and Lane, 1964, p. 124. Webster, 1973, p. 193.
- Dichocrinus stelliformis* Meek and Worthen, 1868b, p. 344. Bassler and Moodey, 1943, p. 422. Van Sant *in* Van Sant and Lane, 1964, p. 124. Webster, 1973, p. 193.
- Mississippian, Viséan (Osagean) Borden Formation, New Providence Shale, Edwarsville Formation. United States, Kentucky, Indiana
- Paradichocrinus ramus* Ausich, Goldstein, and Yates, 2000, p. 1077, Figs. 1, nos. 4, 9. Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation. United States, Kentucky
- Paradichocrinus wellsvillensis* Webster, 1997, p. 14, Pl. 2, figs. 4, 9. Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah
- Paradichocrinus* spp.  
Broadhead, 1981, p. 135, Pl. 9, fig. 4. Webster, 1988, p. 122. Mississippian, Viséan, V<sub>1</sub>, Keokuk or Warsaw Formation. United States, Missouri  
Broadhead, 1981, p. 133, Fig. 3, no. E. Webster, 1988, p. 122. No stratigraphic data, diagrammatic.  
Howell, 1995, p. 100, Pl. 6, fig. 2. No age or locality given
- PARADOXOCRINUS** Wanner, 1937. \**P. patella* Wanner, 1937. Sbc. Disparida, Spf. uncertain, F. Paradoxocrinidae  
Wanner, 1937, p. 205. Bassler, 1938, p. 145. Wanner, 1942b, p. 201, Figs. 4; 5, no. B. Bassler and Moodey, 1943, p. 589. Moore and Laudon, 1943b, p. 102. Branson, C. C., 1948, p. 205. Webster, 1973, p. 193. Lane *in* Moore and Teichert, 1978, p. T563. Webster, 1986, p. 230.  
Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain  
Permian, series uncertain. West Timor
- \**Paradoxocrinus patella* Wanner, 1937, p. 205, Pl. 13, figs. 33-34; Figs. 71-80. Bassler, 1938, p. 145. Marez Oyens, 1940, p. 301, Pls. 1, fig. 4; 2, figs. 1-2; Figs. 3-4. Wanner, 1942b, p. 201, Figs. 1-3, 6. Bassler and Moodey, 1943, p. 589. Branson, C. C., 1948, p. 205. Webster, 1973, p. 193. Lane *in* Moore and Teichert, 1978, p. T563, Fig. 358, no. 1. Webster, 1986, p. 231. Permian, series uncertain. West Timor, Basleo, Tae Linea



- PARAEUTELECRINUS** Frest and Strimple, 1980. \**Eutelecrinus subwelteri* Wanner, 1937.  
 Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Eutelecrinidae  
 Frest and Strimple, 1980, p. 262. Webster, 1986, p. 231.  
 Named, currently recognized species based on cups or crowns: 4 Permian species, series uncertain  
 Permian, series uncertain. West Timor
- Paraeutelecrinus elongatus* (Wanner, 1916). Frest and Strimple, 1980, p. 263. Webster, 1986, p. 231.  
*Eutelecrinus elongatus* Wanner, 1916, p. 27, Pl. 98 (3), fig. 6. Bassler and Moodey, 1943, p. 476. Branson, C. C., 1948, p. 193. Webster, 1986, p. 231.  
 Permian, series uncertain. West Timor, Basleo
- Paraeutelecrinus erectus* (Wanner, 1916). Frest and Strimple 1980, p. 263. Webster, 1986, p. 231.  
*Eutelecrinus erectus* Wanner, 1916, p. 28, Pl. 98(3), fig. 7. Bassler and Moodey, 1943, p. 476. Branson, C. C., 1948, p. 193. Webster, 1986, p. 231.  
 Permian, series uncertain. West Timor, Basleo
- \**Paraeutelecrinus subwelteri* (Wanner, 1937). Frest and Strimple, 1980, p. 262, Fig. 4, nos. k-m. Webster, 1986, p. 231.  
*Eutelecrinus subwelteri* Wanner, 1937, p. 74, Pl. 6, figs. 33-35. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194. Webster, 1986, p. 231.  
 Permian, series uncertain. West Timor, Basleo
- Paraeutelecrinus welteri* (Wanner, 1916). Frest and Strimple, 1980, p. 263. Webster, 1986, p. 231.  
*Eutelecrinus welteri* Wanner, 1916, p. 30, Pl. 98 (3), figs. 11-12. Wanner, 1937, p. 73, Pl. 6, figs. 30-32. Bassler and Moodey, 1943, p. 477. Branson, C. C., 1948, p. 194. Webster, 1986, p. 231.  
 Permian, series uncertain. West Timor, Basleo
- Paragaricocrinid gen. undesignated. Webster et al. 2009a, p. 46, Fig. 2, no. R. Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang
- Paragaricocrinid indet. Webster et al. 2009a, p. 46, not illustrated. Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang
- Paragaracocrinid n. gen.? 1 Webster et al., 2009, p. 668, Fig. 6, nos. a-b. Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island
- Paragaracocrinid n. gen.? 2 Webster et al., 2009, p. 669, Fig. 6, no. f.

Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia,  
Vancouver  
Island

Paragaricocrinidae gen. type A Hashimoto, 2001, p. 8, Pl. 1, figs. 1-3; Fig. 3, no. 2.  
Pennsylvanian, Morrowan, Akiyoshi Limestone Group. Southwest Japan

Paragaricocrinidae gen. type B1 Hashimoto, 2001, p. 9, Pls. 1, figs. 4-6; 2, figs. 5-6;  
Fig. 4, no. 1  
Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group. Southwest Japan

Paragaricocrinidae gen. type B2 Hashimoto, 2001, p. 9, Pls. 2, figs. 1-4, 7; 3, fig. 3; Fig.  
4, no. 2.  
Pennsylvanian, Atokan, Akiyoshi Limestone Group. Southwest Japan

Paragaricocrinidae gen. type B3 Hashimoto, 2001, p. 10, Pl. 3, figs. 1-2.  
Pennsylvanian, Moscovian, Akiyoshi Limestone Group. Southwest Japan

Paragaricocrinidae new genus and species, indeterminate Lane, *et al.*, 1996, p. 119,  
Figs. 5.3-5.5. 6.11-6.12. 6.14.  
Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Region

**PARAGARICOCRINUS** Yakovlev, 1934. \**P. mediterraneus* Yakovlev, 1934.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Periechocrinoidea, F.  
Paragaricocrinidae

Yakovlev, 1934, p. 271. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 589.

Moore and Laudon, 1943b, p. 92, Fig. 15. Branson, C. C., 1948, p. 205.

Sieverts-Doreck, 1951b, p. 105, Figs. 1; 2, no. a. Ubaghs, 1953, p. 739.

Webster, 1973, p. 193. Ubaghs *in* Moore and Teichert, 1978, p. T450. Lane, N.

G., 1979, p. 125. Arendt, 1983d, p. 92. Webster, 1986, p. 231. Webster, 1988,

p.

122.

Named, currently recognized species based on cups or crowns: 2 Permian, Wordian  
species

Permian, Wordian. Sicily, Tunisia

\**Paragaricocrinus mediterraneus* Yakovlev, 1934, p. 272, Pl. 19, figs. 1-6; Figs. 1-2.  
Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 589. Moore and Laudon,  
1942, p. 75, Fig. 5, nos. A-C. Branson, C. C., 1948, p. 205. Webster, 1973, p.  
193. Ubaghs *in* Moore and Teichert, 1978, p. T450, Fig. 258, no. 1. Webster,  
1986, p. 231.

Permian, Wordian. Sicily

*Paragaricocrinus? yakovlevi* Lane, N. G., 1979, p. 125, Pl. 1, fig. 22; Fig. 1, no. H.  
Webster, 1986, p. 231.

Permian, Wordian. Tunisia, Djebel Tebaga

**PARAGASSIZOCRINUS** Moore and Plummer, 1940. \**Agassizocrinus tarri* Strimple, 1938.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Agassizocrinidae  
 Moore and Plummer, 1940, p. 340. Bassler and Moodey, 1943, p. 589. Moore and Laudon, 1943b, p. 62. Moore and Laudon, 1944, p. 177. Arendt and Hecker, 1964, p. 91. Strimple and Watkins, 1969, p. 184. Moore and Strimple, 1973, p. 51. Strimple, and Cocke, 1973, p. 156. Webster, 1973, p. 193. Pabian and Strimple, 1974b, p. 17. Webster, 1977, p. 124. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T682. Etensohn, 1980, p. 982, Fig. 1. Strimple, 1980b, p. 9. Etensohn, 1981, p. 169. Etensohn, 1984, p. 66, Fig. 1. Webster, 1986, p. 232. Webster, 1988, p. 122.  
**GLOBOCRINUS** Washburn, 1968 (*non* Weller, 1920), p. 122. \**G. bulbosus* Washburn, 1968. Webster, 1973, p. 138. Webster, 1977, p. 124.  
**HENANOBASIS** Moore, 1939. *Nomen vetitum* \**H. coffeyvillensis* Moore, 1939. Moore, 1939b, p. 206. Jeffords *in* Moore and Teichert, 1978, p. T936. Etensohn, 1980, p. 982. Webster, 1986, p. 232. (basal or infrabasal circlets)  
 Named, currently recognized species based on cups or crowns: 6 Pennsylvanian species, 1 Morrowan, 2 Morrowan – Atokan, 1 Morrow – Desmoinesian, 1 Atokan, 1 Missourian  
 Pennsylvanian, Morrowan Missoutian. United States

*Paragassizocrinus altus* Strimple and Watkins, 1969 = *Paragassizocrinus caliculus*

*Paragassizocrinus asymmetricus* Strimple, 1960a, p. 15, Pl. 1, figs. 1-5. Webster, 1973, p. 193. Etensohn, 1980, p. 988, Pl. 2, figs. 4-11; Fig. 5. Webster, 1986, p. 232.

*Agassizocrinus conicus* Owen and Shumard, 1852. Weller, S., 1898c, p. 73.

?Morgan, 1924, Pl. 33, fig. 1. Etensohn, 1980, p. 988. Webster, 1986, p. 232.

*Paragassizocrinus hoodi* Strimple, 1960a, p. 22, Pl. 1, figs. 9-10. Webster, 1973, p. 194. Etensohn, 1980, p. 988. Webster, 1986, p. 232.

*Paragassizocrinus springeri* Strimple, 1960a, p. 24, Pl. 2, figs. 6-7. Webster, 1973, p. 194. Etensohn, 1980, p. 988. Webster, 1986, p. 232.

*Paragassizocrinus turris* Strimple, 1960a, p. 19, Pl. 1, figs. 6-8. Webster, 1973, p. 194. Etensohn, 1980, p. 988. Webster, 1986, p. 232.

Pennsylvanian, Morrowan - Desmoinesian, Wapanucka Limestone; Sand Creek Formation; Pumpkin Creek Limestone. United States, Oklahoma

*Paragassizocrinus* sp. aff. *P. asymmetricus* Strimple, 1960. Strimple, 1980b, p. 11, Pl. 1, figs. 4-7; Fig. 2, no. C. Webster, 1986, p. 234.

Pennsylvanian, Morrowan?, Gobbler formation. United States, New Mexico

*Paragassizocrinus atoka* Strimple and Blythe, 1960 = *Paragassizocrinus tarri*

*Paragassizocrinus bulbosus* Strimple, 1961 = *Paragassizocrinus tarri*

*Paragassizocrinus caliculus* (Moore and Plummer, 1938). Strimple, 1961b, p. 158.  
 Webster, 1973, p. 193. Ettensohn, 1980, p. 992, Pl. 2, figs. 1-3; Figs. 5, 7.  
 Webster, 1986, p. 232. Webster and Kues, 2006, p.  
 11, Figs. 4.13-4.14, 4.17-4.18.

*Agassizocrinus caliculus* Moore and Plummer, 1938, p. 253, Pl. 14, fig. 8; Fig. 12.  
 Webster, 1973, p. 193.

*Agassizocrinus calyculus* Moore and Plummer, 1938. Bassler and Moodey, 1943,  
 p. 289 (sic).

*Paragassizocrinus altus* Strimple and Watkins, 1969, p. 187, Pls. 53, fig. 3; 56, fig.  
 5. Webster, 1977, p. 124. Ettensohn, 1980, p. 992. Webster, 1986, p. 232.

*Paragassizocrinus deltoideus* Strimple, 1960a, p. 20, Pl. 1, figs. 11-17. Webster,  
 1973, p. 193. Ettensohn, 1980, p. 992. Webster, 1986, p. 232.

Pennsylvanian, Morrowan - Atokan, Bloyd Formation, Brentwood Limestone  
 Member; Wapanucka Limestone; Lemons Bluff Limestone; Osha Canyon  
 Formation, La Pasada Formation. United States, Oklahoma, Arkansas, New  
 Mexico

*Paragassizocrinus* sp. cf. *P. caliculus* Moore and Plummer, 1938. Strimple, 1980b, p.  
 10, Pl. 2, fig. 4; Fig. 2, nos. A-B. Webster, 1986, p. 234.

Pennsylvanian, Morrowan, La Pasada Formation. United States, New Mexico

*Paragassizocrinus calyculoides* (Lane, 1964) = *Polusocrinus calyculoides*

*Paragassizocrinus? carbonarius* (Worthen, 1873) = *Paragassizocrinus tarri*

*Paragassizocrinus? coffeyvillensis* (Moore), Moore and Plummer, 1940 =  
*Paragassizocrinus tarri*

*Paragassizocrinus deltoideus* Strimple, 1960 = *Paragassizocrinus caliculus*

*Paragassizocrinus disculus* Strimple, 1960 = *Paragassizocrinus tarri*

*Paragassizocrinus* cf. *P. disculus* Strimple, 1960. Strimple and Knapp, 1966, p. 310,  
 Pl. 36, figs. 6-8. Webster, 1973, p. 193.

Pennsylvanian, Morrowan, Kendrick Shale. United States, Kentucky

*Paragassizocrinus elevatus* Strimple, 1961 = *Paragassizocrinus tarri*

*Paragassizocrinus ellipticus* Strimple, 1961 = *Paragassizocrinus tarri*

*Paragassizocrinus elongatus* Strimple, 1960a, p. 18, Pl. 2, figs. 1-2. Webster, 1973, p.  
 193.

Pennsylvanian, Missourian, Hogshooter Limestone. United States, Oklahoma

*Paragassizocrinus hoodi* Strimple, 1960 = *Paragassizocrinus asymmetricus*

*Paragassizocrinus kendrickensis* Strimple and Knapp, 1966 = *Paragassizocrinus tarri*

- Paragassizocrinus* sp. aff. *P. kendrickensis* Strimple and Knapp, 1966. Strimple, 1980b, p. 10, Fig. 2, no. D.  
Pennsylvanian, Morrowan?, Gobbler Formation. United States, New Mexico
- Paragassizocrinus magnus* (Moore and Plummer, 1938). Strimple, 1961b, p. 158.  
Webster, 1973, p. 194. Etensohn, 1980, p. 955. Webster, 1986, p. 233.  
*Agassizocrinus magnus* Moore and Plummer, 1938, p. 251, Pl. 16, fig. 5; Fig. 11.  
Moore and Plummer, 1940, p. 342. Bassler and Moodey, 1943, p. 290. Webster, 1973, p. 194.  
Pennsylvanian, Morrowan, Kessler Limestone. United States, Arkansas
- Paragassizocrinus mcguirei* (Strimple, 1938) = *Paragassizocrinus tarri*
- Paragassizocrinus?* *mcguirei* (Strimple, 1938) = *Paragassizocrinus tarri*
- Paragassizocrinus platicrenatus* Etensohn, 1980, p. 994, Pl. 2, figs. 12-17; Figs. 5, 7.  
Webster, 1986, p. 233.  
Pennsylvanian, Atokan, Breathitt Formation, Magoffin Beds. United States, Kentucky
- Paragassizocrinus springeri* Strimple, 1960 = *Paragassizocrinus asymmetricus*
- \**Paragassizocrinus tarri* (Strimple, 1938). Moore and Plummer, 1940, p. 345, Pls. 1, fig. 6; 16, fig. 9; Fig. 68. Bassler and Moodey, 1943, p. 589. Pabian and Strimple, 1974b, p. 18, Fig. 6, nos. 6-9. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T682, Fig. 450, nos. 4a-4b. Etensohn, 1980, p. 989, Pl. 1, figs. 1-34; Figs. 3-5, 7-8. Etensohn, 1981, p. 170, Figs. 1-2. Webster, 1986, p. 233. Webster, 1988, p. 122. Sumrall, Sprinkle, and Bonem, 2006, p. 235, Figs. 2.1-2.7, 2.11-2.12. Webster and Kues, 2006, p. 11, Figs. 4.15-4.16.
- Agassizocrinus tarri* Strimple, 1938, p. 10, Pl. 2, figs. 7, 10, 13. Bassler and Moodey, 1943, p. 589.
- Agassizocrinus carbonarius* Worthen in Meek and Worthen, 1873, p. 566, Pl. 24, fig. 4. Miller, S. A., 1889, p. 221. Weller, S., 1898c, p. 73. Bassler and Moodey, 1943, p. 589. Etensohn, 1980, p. 989. Webster, 1986, p. 233.
- Paragassizocrinus?* *carbonarius* (Worthen, 1873). Moore and Plummer, 1940, p. 342. Bassler and Moodey, 1943, p. 589.
- Agassizocrinus mcguirei* Strimple, 1939a, p. 378, Pl. 2, figs. 9-10. Bassler and Moodey, 1943, p. 589. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus?* *mcguirei* (Strimple, 1939). Moore and Plummer, 1940, p. 343. Bassler and Moodey, 1943, p. 589.
- Paragassizocrinus mcguirei* (Strimple, 1939). Strimple, 1960a, p. 13, Pl. 2, figs. 3, 8-11. Strimple, 1961e, p. 294. Strimple and Cocke, 1973, p. 157. Webster, 1973, p. 194. Webster, 1977, p. 125. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Petschoracrinus tarri* (Strimple, 1938). Yakovlev, 1939e, p. 832. Bassler and Moodey, 1943, p. 589. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus atoka* Strimple and Blythe, 1960, p. 25, Pl. 3, figs. 4-9; Fig. 2. Webster, 1973, p. 193. Etensohn, 1980, p. 990. Strimple, 1982a, p. 1133. Webster, 1986, p. 233. Webster, 1988, p. 122.

- Paragassizocrinus bulbosus* Strimple 1961e, p. 296, Pl. 1, figs. 7-10. Webster, 1973, p. 193. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Henanobasis coffeyvillensis* Moore, 1939b, p. 206, Pls. 2, figs. 3a-3c; 3, fig. 11. Bassler and Moodey, 1943, p. 589. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus? coffeyvillensis* (Moore, 1939). Moore and Plummer, 1940, p. 343. Bassler and Moodey, 1943, p. 589. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus disculus* Strimple, 1960e, p. 23, Pl. 3, figs. 1-3. Strimple, 1961e, p. 296. Webster, 1973, p. 193. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus elevatus* Strimple, 1961e, p. 297, Pl. 1, figs. 1-6. Webster, 1973, p. 193. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus ellipticus* Strimple, 1961e, p. 297, Pl. 1, figs. 11-13. Webster, 1973, p. 193. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus kendrickensis* Strimple and Knapp, 1966, p. 310, Pl. 36, figs. 3-5, 9-11. Moore and Strimple, 1973, p. 52, Pl. 5, fig. 3. Webster, 1973, p. 194. Webster, 1977, p. 125. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T683, Fig. 450, no. 4c. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Paragassizocrinus* cf. *P. turris* Strimple, 1960. Strimple and Knapp, 1966, p. 311, Pl. 36, figs. 12-14. Webster, 1973, p. 194. Etensohn, 1980, p. 990. Webster, 1986, p. 233.
- Pennsylvanian, Morrowan - Atokan, Wapanucka Limestone; Lee Formation, Corbin Member; Ochelata Shale; Stanton Limestone, Eudora Shale; Kendrick Shale; Atokan Formation; Bostwick Limestone; Chanute Formation; Hogshooter (Winterset) Limestone; Checkerboard Limestone; base of Coffeyville Shale; Hoxbar Formation; Seminole Formation; Nellie Bly Formation?; Golf Course Formation, unnamed unit 1; Osha Canyon Formation. United States, Kentucky, Oklahoma, New Mexico

*Paragassizocrinus turris* Strimple, 1960 = *Paragassizocrinus asymmetricus*

*Paragassizocrinus* cf. *P. turris* Strimple, 1960, Strimple and Knapp, 1966 = *Paragassizocrinus tarri*

*Paragassizocrinus* n. sp. Blythe, 1959, p. 43, Fig. 24. Webster, 1977, p. 125. Pennsylvanian, Atokan, Atoka Formation. United States, Oklahoma

*Paragassizocrinus* spp.

Pabian and Strimple, 1974b, p. 18, Fig. 6, nos. 10-11. Webster, 1986, p. 234.

Pennsylvanian, Missourian, Iatan Limestone. United States, Kansas

Strimple, 1980b, p. 10, Fig. 2, no. E. Webster, 1986, p. 234.

Pennsylvanian, Morrowan, La Pasada Formation. United States, New Mexico

?*Paragassizocrinus* sp. Webster et al., 2009a, p. 48, Fig. 2, nos. J-K.

*Petschoracrinus* Lane et al., 1996. Webster et al., 2009a.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang

**PARAGAZACRINUS** Springer, 1926. \**P. rotundus* Springer, 1926.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Springer, 1926a, p. 22. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 589.  
 Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 185. Ubaghs,  
 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 194. Ubaghs *in*  
 Moore and Teichert, 1978, p. T430. Webster, 1986, p. 234.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran  
 species

Silurian, Niagaran. United States, Indiana

\**Paragazacrinus rotundus* Springer, 1926a, p. 22, Pl. 4, figs. 1-4. Bassler, 1938, p.  
 145. Bassler and Moodey, 1943, p. 590. Moore and Laudon, 1943b, p. 138, Pl.  
 9, fig. 5. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 25. Webster, 1973, p. 194.  
 Ubaghs *in* Moore and Teichert, 1978, p. T430, Fig. 237, no. 4. Webster, 1986, p.  
 234.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

**PARAGRAPHIOCRINUS** Wanner, 1937. \**Graphiocrinus exornatus* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Apographiocrinioidea, F.  
 Spaniocrinidae

Wanner, 1937, p. 173. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 590.  
 Moore and Laudon, 1943b, p. 77. Branson, C. C., 1948, p. 205. Arendt and  
 Hecker, 1964, p. 90. Webster, 1973, p. 194. Moore and Strimple *in* Moore and  
 Teichert, 1978, p. T722. Smith, A. B., 1985, p. 172. Webster, 1986, p. 234.  
 Webster, 1988, p. 122. Webster and Kues, 2006, p. 19.

Named, currently recognized species based on cups or crowns: 2 Permian species,  
 series uncertain

Permian, series uncertain. West Timor

\**Paragraphiocrinus exornatus* (Wanner, 1916). Wanner, 1937, p. 174, Pl. 11, fig. 19.  
 Bassler and Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205. Moore and  
 Strimple *in* Moore and Teichert, 1978, p. T722, Fig. 477, no. 2. Smith, A. B.,  
 1985, p. 172, Pl. 7.4.36. Webster, 1986, p. 234. Webster, 1988, p. 122.

Webster,  
 2003, p. 1341.

*Graphiocrinus exornatus* Wanner, 1916, p. 172, Pl. 104 (9), figs. 15-17. Wanner,  
 1924, p. 236, Pl. 15, figs. 14-19; Fig. 41. Bassler, 1938, p. 145. Bassler and  
 Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205.

Permian, series uncertain, Basleo Beds. West Timor

*Paragraphiocrinus? punctatus* (Wanner, 1924). Wanner, 1949, p. 10.

*Graphiocrinus punctatus* Wanner, 1924, p. 235, Pl. 15, figs. 20-22. Bassler and  
 Moodey, 1943, p. 497. Branson, C. C., 1948, p. 205. Webster, 2003, p. 1342.

Permian, series uncertain. West Timor, Basleo

Parahexacrinitidae sp. 1

Gluchowski, 1993a, p. 40, Fig. 4, nos. A-F. Bohatý, 2009b, p. 1569.

*Hexacrinites* sp. Gluchowski, 1993. Bpohaty, 2009b, p. 1569.

Devonian, late Frasnian, Detrital Beds. Poland

**PARAHEXACRINUS** Schewtschenko, 1967. \**P. fungiformis* Schewtschenko, 1967.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
 Parahexacrinidae  
 Schewtschenko, 1967, p. 77. Schewtschenko, 1968b, p. 72. Webster, 1973, p. 194.  
 Ubaghs *in* Moore and Teichert, 1978, p. T475. Webster, 1986, p. 234.  
 Named, currently recognized species based on cups or crowns: 1 Devonian,  
 Lochkovian  
 Devonian, Lochkovian. Kyrgystan

\**Parahexacrinus fungiformis* Schewtschenko, 1967, p. 77, Pl. 9, figs. 1-3; Figs. 1-2.  
 Schewtschenko, 1968b, p. 73, Pl. 9, figs. 1-3; Figs. 1-2. Webster, 1973, p. 194.  
 Ubaghs *in* Moore and Teichert, 1978, p. T11, T475, Figs. 85, no. 1; 280, no. 1.  
 Webster, 1986, p. 234.  
 Devonian, Lochkovian, Kshtut Horizon. Kyrgystan, Central Asia, Southeast Tian  
 Shan

*Paraichthyocrinus seversoni* Laudon, Parks and Spreng, 1952 = *Parichthyocrinus  
 seversoni*

**PARALAGENIOCRINUS** Wanner, 1949. Moore and Teichert, 1978, p. T928.

**Note:** I can find no reference to a genus of this name in either Wanner 1949a or  
 1949b. GDW.

**PARALECYTHIOCRINUS** Moore, Lane, and Strimple *in* Moore and Strimple, 1973 =  
**THYRIDOCRINUS**

**PARALLELOCRINUS** Knapp, 1969 = **DIPHUICRINUS**

*Parallelocrinus mercenarius* Burke, 1974 = *Diphuicrinus? mercenarius*

*Parallelocrinus sturgeonii* Burke, 1971 = *Diphuicrinus sturgeonii* = *D. typus*

*Parallelocrinus typus* Knapp, 1969 = *Diphuicrinus typus*

**PARAMEGALIOCRINUS** Arendt, 1983. \**P. erlangeri* Arendt, 1983.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
 Paragaracocrinidae

Arendt, 1983d, p. 95. Webster, 1988, p. 122.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
 Moscovian species

Pennsylvanian, Moscovian. Russia, Moscow Basin

\**Paramegaliocrinus erlangeri* Arendt, 1983d, p. 92, Figs. 1-2. Webster, 1988, p. 122.  
 Pennsylvanian, Moscovian, Myachkovo Horizon. Russia, Moscow Basin

**PARAMELOCRINUS** Ubaghs, 1958. \**P. angelini* Ubaghs, 1958.



Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F. Paramelocrinidae

Ubaghs, 1958b, p. 261. Webster, 1973, p. 194. Ubaghs *in* Moore and Teichert, 1978, p. T491.

Named, currently recognized species based on cups or crowns: 1 Silurian species, series unknown

Silurian, Sweden, Isle of Gotland

\**Paramelocrinus angelini* Ubaghs, 1958b, p. 262, Pl. 1, fig. 1; Figs. 1-2. Webster, 1973, p. 194. Ubaghs *in* Moore and Teichert, 1978, p. T490.

*Melocrinus volborthi* Angelin, 1878 (part), p. 20, Pl. 18, fig. 16 only. Wachsmuth and Springer, 1881. Ubaghs, 1958b, p. 262. Webster, 1973, p. 194.

Silurian, level and strata indeterminate. Sweden, Isle of Gotland

**PARAMPHICRINUS** Strimple and Moore, 1971. \**Amphicrinus oklahomaensis* Strimple, 1938.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Euryocrinidae

Strimple and Moore, 1971a, p. 40. Moore and Strimple, 1973, p. 37. Webster, 1977,

p. 125. Moore *in* Moore and Teichert, 1978, p. T811, Figs. 510, no. 3a.

Webster, 1986, p. 235. Pabian and Rushlau, 2002, p. 38.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian species, 1 Morrowan, 1 Desmoinesian, 2 Missourian

Pennsylvanian, Morrowan, Missourian - Virgilian. United States

*Paramphicrinus magnus* Moore and Strimple, 1973, p. 38, Pl. 3, figs. 2a-2d. Webster, 1977, p. 125.

Pennsylvanian, Morrowan, pre-Brentwood? shale in Bloyd Formation. United States, Arkansas

*Paramphicrinus novamexicanus* Webster and Kues, 2006, p. 22, Figs. 8.4-8.6.

Pennsylvanian, Desmoinesian, Madera Group Los Moyos Formation. United States, New Mexico

\**Paramphicrinus oklahomaensis* (Strimple, 1939). Strimple and Moore, 1971a, p. 40, Pls. 22, figs. 2a-2d; 23, figs. 3a-3b; Figs. 17-18. Moore and Strimple, 1973, p. 37, Figs. 3-4. Webster, 1977, p. 125. Moore *in* Moore and Teichert, 1978, p. T812, Figs. 544, no. 2; 547, no. 1. Webster, 1986, p. 235.

*Amphicrinus oklahomaensis* Strimple, 1939a, p. 364, Pl. 1, figs. 1-2. Bassler and Moodey, 1943, p. 298. Strimple and Moore, 1971a, p. 40. Webster, 1977, p. 125.

Pennsylvanian, Missourian, Ochelata Group, Stanton Limestone; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois

*Paramphicrinus* sp. cf. *P. oklahomaensis* Strimple, 1938. Pabian and Strimple, 1980b, p. 2, Fig. 2, nos. c-d. Webster, 1986, p. 235.

Pennsylvanian, Virgilian, Calhoun Shale. United States, Iowa

*Paramphicrinus poundi* (Strimple, 1938). Moore *in* Moore and Teichert, 1978, p. T812, Fig. 547, nos. 1g-1h. Webster, 1986, p. 235.

*Amphicrinus poundi* Strimple, 1939a, p. 5, Pl. 2, figs. 18-19. Strimple and Moore, 1971a, p. 47, Pl. 22, fig. 1. Webster, 1977, p. 37.

Pennsylvanian, Missourian, Stanton Limestone. United States, Kansas

*Paramphicrinus* sp. cf. *P. poundi* (Strimple, 1938). Pabian and Strimple, 1974b, p. 2, Figs. 1, no. 1; 2, no. 1. Webster, 1986, p. 235.

Pennsylvanian, Missourian, Drum Formation, Cement City Limestone. United States, Oklahoma

*Paramphicrinus* spp.

Strimple, 1975h, p. 704, Pl. 1, figs. 10-12. Webster, 1986, p. 235.

Pennsylvanian, Morrowan, La Tuna Member, Magdalena Formation. United States, Texas

Pabian and Rushlau, 2002, p. 38, Fig. 11, nos. 9-11.

Pennsylvanian, Foraker Formation, Hughes Creek Shale Member. United States, Nebraska

*Paramphicrinus?* sp. Webster and Kues, 2006, p. 22, Fig. 8.3.

Pennsylvanian, Missourian or Virgilian, upper part of Madera Group. United States, New Mexico

**PARAMISOCRINUS** Frest and Strimple, 1978. *\*Anisocrinus? irregularis* Springer, 1920.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Homalocrinidae

Frest and Strimple, 1978a, p. 688. Webster, 1986, p. 236.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, Ludlovian. Sweden, Isle of Gotland

*\*Paramisocrinus irregularis* (Springer, 1920). Frest and Strimple, 1978a, p. 688. Webster, 1986, p. 236.

*Anisocrinus? irregularis* Springer, 1920a, p. 165, Pl. 10, figs. 5-6. Bassler and Moodey, 1943, p. 302. Frest and Strimple, 1978a, p. 688. Webster, 1986, p. 236.

*Lecanocrinus macropetalus* Hall, 1852, Angelin, 1878. Frest and Strimple, 1978a, p. 688. Webster, 1986, p. 236.

Silurian, Ludlovian. Sweden, Isle of Gotland

**PARAPERNEOCRINUS** Yakovlev, 1949. *\*P. sibiricus* Yakovlev, 1949.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae Yakovlev, 1949c, p. 17. Arendt and Hecker, 1964, p. 84. Webster, 1973, p. 195.

Lane and Moore *in* Moore and Teichert, 1978, p. T592. Webster, 1986, p. 236.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian

or Emsian species  
Devonian, Pragian or Emsian. Russia

\**Parapernocrinus sibiricus* Yakovlev, 1949c, p. 17, Pls. 1, figs. 4-8; 2, figs. 1-2. Arendt and Hecker, 1964, p. 84, Pl. 8, figs. 13-15. Webster, 1973, p. 195. Lane and Moore *in* Moore and Teichert, 1978, p. T592, Fig. 382, no. 3. Webster, 1986, p. 236.

Devonian, Pragian or Emsian (Coblentzian). Russia, Central Urals

**PARAPISOCRINUS** Mu, 1954. \**Pisocrinus ollula* Angelin, 1878.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Mu, 1954, p. 326. Ausich, 1977, p. 672, 685. Moore and Lane *in* Moore and Teichert, 1978, p. T536. Rozhnov, 1981, p. 85. Webster, 1986, p. 236. Jell *et al.*, 1988, p. 391. Webster, 1988, p. 122. Webster, 1993, p. 84. Webster, Becker, and Maples, 2005, p. 1058. Rozhnov, 2007b, p. 314, Fig. 3, no. c.

**Note:** Ausich, 1977, presented solid arguments to place *Parapisocrinus* in synonymy

of *Pisocrinus* with which I agree. However, Rozhnov, 1981, recognized the genus. Both forms are given herein.

*PISOCRINUS (PARAPISOCRINUS)* Mu, 1954, p. 326, Fig. 2. Weyer, 1965, p. 969. Webster, 1973, p. 208.

*OLLULOCRINUS* Bouska, 1956a, p. 28. Arendt and Hecker, 1964, p. 81. Weyer, 1965, p. 969. Webster, 1973, p. 208.

Named, currently recognized species based on cups or crowns: 7 species, 3 Subspecies. 4 Silurian, 1 Wenlockian, 3 Niagran; 2 Silurian - Devonian 1 Llandoveryan – Lochkovian; 1 Ludlovian – Lochkovian (+1 Ludlovian – Lochkovian subspecies); 1 Early Devonian undesignated Ludlovian – Emsian subspecies); 1 Devonian, (+1 Pragian subspecies), 1 Emsian

Middle Silurian - Early Devonian. Europe, Russia, North America, Australia

*Parapisocrinus malobatschatensis* (Dubatolova, 1964). Rozhnov, 1981, p. 94, Pl. 21, fig. 4; Fig. 18, nos. k-l. Webster, 1988, p. 123.

*Ollulocrinus malobatschatensis* Dubatolova, 1964, p. 14, Pl. 1, fig. 1. Webster, 1973, p. 208. Rozhnov, 1981, p. 94. Webster, 1988, p. 123.

*Pisocrinus (Parapisocrinus) malobatschatensis* (Dubatolova, 1964). Webster, 1968, p. 208. Webster, 1973, p. 208. Rozhnov, 1981, p. 94. Webster, 1988, p. 123.

Devonian, Emsian, Malovachatsky Layer. Russia, Kuznetz Basin

\**Parapisocrinus ollula* (Angelin, 1878). Ubaghs *in* Moore and Teichert, 1978, p. T164, Fig. 135, no. 2. Moore and Lane *in* Moore and Teichert, 1978, p. T536, Fig. 332, nos. 4a-4b. Rozhnov, 1981, p. 86. Webster, 1986, p. 236. Webster, 1988, p. 123.

*Pisocrinus ollula* Angelin, 1878, p. 21, Pl. 4, figs. 2a, 2c-2d. Bather, 1893a, p. 32, Pl. 1, figs. 12-19. Springer, 1926a, p. 80, Pl. 25, figs. 7-10. Bassler and Moodey, 1943, p. 612.

- Pisocrinus (Parapisocrinus) ollula* Angelin, 1878. Mu, 1954, p. 326, Pl. 1, figs. 8-9. Webster, 1973, p. 208. Rozhnov, 1981, p. 87, Fig. 18, no. a. Webster, 1988, p. 123. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.
- Ollulocrinus ollula ollula* (Angelin, 1878). Bouska, 1956a, p. 29, Pl. 3, fig. 15. Strimple, 1963d, Fig. 10, no. k. Webster, 1973, p. 208. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.
- Pisocrinus (Parapisocrinus) ollula ollula* Angelin, 1878. Webster, 1973, p. 208. Silurian, Wenlockian, Lobelville Limestone. Sweden, Isle of Gotland; Russia; United States, Tennessee
- Silurian, middle Wenlockian - early Ludlovian, Kopanina Limestone. Czech Republic, Bohemia; United Kingdom
- Parapisocrinus ollula elegans* (Bouska, 1956). Prokop and Petr, 1990, p. 35. Webster, 1993, p. 84.
- Ollulocrinus ollula elegans* Bouska, 1956a, p. 31, Pl. 4, fig. 1. Webster, 1973, p. 208. Prokop and Petr, 1990, p. 35. Webster, 1993, p. 84.
- Pisocrinus (Parapisocrinus) ollula elegans* (Bouska, 1956). Webster, 1973, p. 208.
- Ollulocrinus rimosus* Bouska, 1956. Prokop and Petr, 1990, p. 44. Webster, 1993, p. 84.
- Devonian, Pragian, Prokop Limestone, Koneprusy Limestone. Czech Republic, Bohemia
- Parapisocrinus ollula grandis* (Bouska, 1956). Gupta and Webster, 1980, p. 7, Pl. 1, figs. 2-5, 12-17 (**Note**: Most Gupta localities considered fraudulent, Webster, 1991a). Rozhnov, 1981, p. 90, Pls. 17, figs. 1-8; 18, figs. 1-3; Figs. 3, no. zh; 18, nos. g-d. Rozhnov, 1983, p. 108, Fig. 1, nos. v-z. Rozhnov, 1984, Fig. 1, nos. c-h. Webster, 1986, p. 236. Webster, 1988, p. 123. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.
- Ollulocrinus ollula grandis* Bouska, 1956a, p. 30, Pl. 4, fig. 5; Fig. 6. Webster, 1973, p. 208. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.
- Pisocrinus (Parapisocrinus) ollula grandis* (Bouska, 1956). Webster, 1973, p. 208.
- Ollulocrinus pribyli* Bouska, 1956a, p. 36, Pl. 4, figs. 8-10. Webster, 1973, p. 208. Prokop and Petr, 1990, p. 41. Webster, 1993, p. 84.
- Pisocrinus (Parapisocrinus) pribyli* (Bouska, 1956). Webster, 1973, p. 208.
- Ollulocrinus quinquelobus* Bather, 1893. Bouska, 1956a, Pl. 5, figs. 2-14 (only). Prokop and Petr, 1990, p. 42, 43. Webster, 1993, p. 84.
- Ollulocrinus rimosus* Bouska, 1956a, p. 35, Pl. 6, fig. 1; Figs. 8-9. Webster, 1973, p. 208.
- Ollulocrinus rimosus* Bouska, 1956. Strimple, 1963d, p. 45.
- Pisocrinus (Parapisocrinus) rimosus* (Bouska, 1956). Webster, 1973, p. 208. Silurian, Ludlovian, Pridoli Beds - Early Devonian, Lochkovian, Koneprusy Limestone. Czech Republic, Bohemia; Russia, Ural Mountains
- Parapisocrinus ollula hlubocephensis* (Bouska, 1956). Rozhnov, 1981, p. 87, Pls. 18, figs. 4-9; 19, 1-3; Figs. 8, no. z; 18, nos. b-v. Webster, 1988, p. 123. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.

*Ollulocrinus ollula hlubocephensis* Bouska, 1956a, p. 31, Pl. 4, fig. 6; Fig. 7.

Webster, 1973, p. 208. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 84.  
*Pisocrinus (Parapisocrinus) ollula hlubocephensis* (Bouska, 1956). Webster, 1973, p. 208.

Late Silurian - Early Devonian, Ludlovian - Emsian, Zlichov Limestone. Russia;  
Czech Republic, Bohemia

*Parapisocrinus quinquelobus* (Bather, 1893). Rozhnov, 1975, p. 70, Fig. 1, no. a.  
Strimple, 1975j, p. 197, Fig. 1, nos. b-c. Rozhnov, 1976, p. 68, Fig. 1, no. a.  
Moore and Lane *in* Moore and Teichert, 1978, p. T536, Fig. 332, nos. 4c-4d.  
Rozhnov, 1981, p. 96, Pl. 20, figs. 2-8; Figs. 2, no. v; 4, no. b; 10, no. v; 18, nos.  
z-i. Webster, 1986, p. 237. Webster, 1988, p. 123. Gluchowski, Piotrowski, and  
Tomczykowa, 1991, p. 291, Pl. 109, figs. 1a-1c. Ausich et al. *in* Hess et al., 1999  
p. 27, Fig. 47. Ausich, 2009a, p. 487, suppl. p. 35. Ausich and Copper, 2010, p.  
73, Pl. 12, figs. 8-9.

*Pisocrinus quinquelobus* Bather, 1893a, p. 27. Bassler, 1915, p. 981. Springer,  
1926a, p. 77, Pl. 23, figs. 16-29. Bassler and Moodey, 1943, p. 613. Moore and  
Laudon, 1943b, p. 130, Pl. 1, fig. 13. Moore and Laudon, 1944, p. 147, Pl. 54,  
fig.

15. Cuénot, 1948, p. 60, Fig. 75. Lowenstam, 1948, Pl. 5, figs. 6L, 7 (6L  
erroneously written 6l). Amsden, 1949, p. 77, Pl. 12, figs. 14-16. Ubaghs, 1953,  
p. 746, Fig. 36. Webster, 1973, p. 208. Ausich, 1977, p. 675, Pls. 1, figs. 3-6; 2,  
figs. 3-4, 9-10; Figs. 6, no. A; 8; Tab. 2. Ausich, 1978, p. 488, Fig. 2, no. D.  
Webster, 1986, p. 252.

*Ollulocrinus quinquelobus* (Bather, 1893). Bouska, 1956a, p. 33, Pl. 5, figs. 1-14.  
Strimple, 1963d, p. 47, Figs. 10, no. a; 11, nos. a-b. Webster, 1973, p. 208.  
Milicina, 1977a, p. 137, Pl. 51, figs. 1-5. Webster, 1986, p. 237.

*Pisocrinus (Parapisocrinus) quinquelobus* Bather, 1893. Mu, 1954, p. 326.  
Webster, 1973, p. 208.

*Pisocrinus gorbyi* Miller, S. A., 1891c, p. 30 (adv. pub.) (part). Miller, S. A., 1892b, p.  
640, Pl. 6, figs. 21-23 (*non* figs. 17, 20). Bassler, 1915, p. 981. Bassler and  
Moodey, 1943, p. 613.

*Pisocrinus milligani* Miller and Gurley, 1895b, p. 80, Pl. 5, fig. 27. Miller, S. A., 1897,  
p. 749, Figs. 1369-1370. Grabau and Shimer, 1910, p. 498, Fig. 1807. Bassler,  
1915, p. 981. Bassler and Moodey, 1943, p. 613.

*Haplocrinites hemisphaericus* Troost, 1850a, p. 61. Troost, 1850b, p. 420.

*Haplocrinites hemispherica* Troost, 1850. Bassler, 1915, p. 981. Bassler and  
Moodey, 1943, p. 613.

*Haplocrinites hemisphericus* Troost, 1850. Quenstedt, 1885, p. 965, Pl. 78, fig. 25.

*Haplocrinus hemisphericus* (Troost, 1850). Shumard, 1868, p. 376. Miller, S. A.,  
1889, p. 252.

Silurian, Niagaran-Ludlovian, Brownsport Group, Beech River Formation; Racine  
Formation; Bainbridge Formation; Blue Island Zone; Lobelville Limestone;  
Henryhouse Formation; Pridoli Beds. United States, Tennessee, Missouri,  
Oklahoma; Czech Republic, Bohemia.

Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island  
Silurian, Bielskian. Poland

Early? Devonian. Russia, east slope Ural Mountains

*Parapisocrinus shevtshenkoae* Rozhnov, 1981, p. 93, Pl. 20, fig. 1. Webster, 1988, p. 123.

Early Devonian, Pandzhrut Horizon. Kyrgystan, Tien Shan

*Parapisocrinus sphaericus* (Rowley, 1904). New Combination

*Pisocrinus sphaericus* Rowley, R. R., 1904d, p. 270. Springer, 1926a, p. 79, Pl. 23, figs. 30-36. Bassler and Moodey, 1943, p. 613. Moore and Laudon, 1944, p. 147, Pl. 54, fig. 16. Webster, 1973, p. 208. Ausich, 1977, p. 685, Fig. 8, Tab. 2. Ausich, 1978, p. 488. Webster, 1986, p. 252. Clement and Broadhead, 1994, p. 47.

*Pisocrinus globosus?* Rowley, R. R., 1904d (*non* Ringueberg, 1884), p. 270, Pl. 16, figs. 8-9. Bassler and Moodey, 1943, p. 612.

*Ollulocrinus sphericus* (Rowley, 1904). Bouska, 1956a, p. 32. Webster, 1973, p. 208.

*Pisocrinus (Parapisocrinus) sphericus* Rowley, 1904. Mu, 1954, p. 326. Webster, 1973, p. 208.

Silurian, Niagaran, Brownsport Formation; Bainbridge Formation; Beech River Formation; Decatur Limestone; Lobelville Limestone. United States, Tennessee, Missouri

*Parapisocrinus cf. sphaericus* (Rowley); Donovan et al., 2008 = *Pisocrinus cf. sphaericus*

*Parapisocrinus tennesseeensis* (Roemer, 1860). Strimple, 1975j, p. 198, Fig. 1, no. a. Rozhnov, 1981, p. 85, Fig. 4, no. a. Webster, 1986, p. 237. Webster, 1988, p. 123. Ausich, 2009a, p. 487, suppl. p. 36.

*Synbathocrinus tennesseeensis* Roemer, C. F., 1860a, p. 55, Pl. 4, figs. 6a-6b. Shumard, 1868, p. 397. Miller, S. A., 1889, p. 285. Wood, E., 1909, p. 26 (part). Bassler, 1915, p. 1249. Bassler and Moodey, 1943, p. 613.

*Synbathocrinus tennessee-ensis* Roemer, 1860. Bigsby, 1868, p. 23.

*Symbathocrinus tennesseeensis* (Roemer, 1860). Quenstedt, 1885, p. 953, Pl. 76, fig. 25. Wood, E., 1909, p. 26. Bassler, 1915, p. 1249. Bassler and Moodey, 1943, p. 693.

*Pisocrinus tennesseeensis* (Roemer, 1860). Bather, 1893a, p. 23. Springer, 1926a, p. 79, Pl. 24, figs. 1-5. Bassler and Moodey, 1943, p. 613. Moore and Laudon, 1944, p. 147, Pl. 54, fig. 18. Amsden, 1949, p. 78, Pl. 12, figs. 10-11. Ubaghs, 1953, p. 746, Figs. 37-39. Ausich, 1977, p. 675, Pl. 2, figs. 1-2, 8, 11; Figs. 3, no. D; 8; Tab. 2. Ausich, 1978, p. 488, Fig. 2, no. C. Brett, 1984, p. 103, Fig. 10, nos. A-C. Webster, 1986, p. 252. Webster, 1988, p. 133.

*Ollulocrinus tennesseeensis* (Roemer, 1860). Strimple, 1963d, p. 46, Fig. 11, no. d. Webster, 1973, p. 209.

*Pisocrinus (Parapisocrinus) tennesseeensis* (Roemer, 1860). Mu, 1954, p. 326. Webster, 1973, p. 209.

*Synbathocrinites tennesseeae* Troost, 1850a, p. 61. Troost, 1850b, p. 419.

*Synbathocrinus tennesseeae* (Troost, 1850). Shumard, 1868, p. 397. Miller, S. A., 1889, p. 285.

*Pisocrinus campana* Springer, 1926a, Pl. 24, fig. 20 only. Ausich, 1977, p. 679.

Silurian, Niagaran, Brownsport Formation; Beech River Formation; Dixon Limestone; Bainbridge Limestone. United States, Tennessee, Missouri

*Parapisocrinus yassensis* (Etheridge, 1904). Rozhnov, 1981, p. 92, Pl. 21, figs. 1-3; Fig. 18, nos. e-zh. Webster, 1988, p. 123. Prokop and Petr, 1990, p. 50, 51. Webster, 1993, p. 85.

*Pisocrinus? yassensis* Etheridge, 1904, p. 289, Pl. 37, figs. 1-14. Bassler and Moodey, 1943, p. 613.

*Pisocrinus (Parapisocrinus)? cf. yassensis* Etheridge, 1904. Webster, 1973, p. 209.

*Ollulocrinus yassensis* (Etheridge, 1904). Bouska, 1956a, p. 32. Webster, 1973, p. 209.

*Pisocrinus (Parapisocrinus) yassensis* (Etheridge, 1904). Mu, 1954, p. 326. Webster, 1973, p. 209.

*Ollulocrinus? cf. yassensis* (Etheridge, 1904). Bouska, 1956a, p. 32, Pl. 4, figs. 2-4. Webster, 1973, p. 209. Prokop and Petr, 1990, p. 50, 51. Webster, 1993, p. 85.

*Pisocrinus? yassensis lobatus* Etheridge, 1904, p. 292, Pl. 37, fig. 15. Bassler and Moodey, 1943, p. 613.

*Pisocrinus (Parapisocrinus) lobata* Etheridge, 1904. Mu, 1954, p. 326. Webster, 1973, p. 208. Rozhnov, 1981, p. 92. Webster, 1988, p. 123.

Silurian, Wenlockian, Kopanina Formation. Australia, New South Wales; Czech Republic

Silurian, Niagaran, Brownsport Formation; Beech River Formation; Dixon Limestone; Bainbridge Limestone. United States, Tennessee, Missouri

*Parapisocrinus* spp.

*Pisocrinus (Parapisocrinus)* sp. Webster, 1973, p. 209.

*Ollulocrinus* sp. Bouska, 1956a, p. 37, Pl. 4, fig. 7. Webster, 1973, p. 209. Prokop and Petr, 1990, p. 36. Webster, 1993, p. 85.

Silurian, Ludlovian, Pridoli Beds. Czech Republic, Bohemia  
Rozhnov, 1981, p. 15, Fig. 3, nos. i-m. Webster, 1988, p. 123.

*Ollulocrinus rimosus* Bouska, 1956. Rozhnov, 1981, p. 15. Webster, 1988, p. 123.

Early Devonian. Czech Republic, Bohemia  
Jell *et al.*, 1988, p. 391, Fig. 27, nos. K-M. Webster, 1993, p. 84.

Devonian, Pragian (*sulcatus* Biozone), Shield Creek Formation, Martins Well Limestone Member. Australia, Queensland  
Rozhnov, 2002, p. S528, Figs. 1, no. c; 12.

Diagrammatic

Webster, Becker, and Maples, 2005, p. 1059, Fig. 5, nos. 8-9.  
Devonian, Famennian, IV-B. Morocco

**PARAPLASOCRINUS** Moore and Plummer, 1938. *\*Cibolocrinus transitorius*  
Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae

Moore and Plummer, 1938, p. 306. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 590. Moore and Laudon, 1943b, p. 60. Branson, C. C., 1948, p. 205.

Wanner, 1949a, p. 49. Arendt and Hecker, 1964, p. 90. Webster, 1973, p. 195. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717. Webster, 1986, p. 237. Webster, 1988, p. 123.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Paraplasocrinus transitorius* (Wanner, 1916). Moore and Plummer, 1938, p. 306.

Bassler and Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717, Fig. 474, no. 2.

Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 237.

*Cibolocrinus transitorius* Wanner, 1916, p. 208, Pls. 103 (8), figs. 11-12; 107 (12), figs. 11, 14; Figs. 54-56. Wanner, 1924, p. 254, Pls. 17, figs. 19-20; 18, figs. 1-2; Figs. 44-50. Yakovlev, 1930c, p. 377, Fig. 3. Bassler, 1938, p. 145. Bassler and Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 124.

*Lopadiocrinus mammillaris* Wanner, 1916, p. 232, Pl. 107 (12), fig. 15. Bassler and Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205.

Permian, series uncertain, Basleo Beds. West Timor

**PARARCHAEOCRINUS** Strimple and Watkins, 1955. \**P. decoratus* Strimple and Watkins, 1955.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Strimple and Watkins, 1955, p. 351. Webster, 1973, p. 195. Brower and Veinus, 1974, p. 69. Ubaghs *in* Moore and Teichert, 1978, p. T418. Kolata, 1982, p. 199. Donovan, 1985a, p. 125. Webster, 1986, p. 237. Webster, 1988, p. 124. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 3 Ordovician species, 2 Sandbian, 1 Katian

Ordovician, Sandbian – Katian (Champlainian). United States

*Pararchaeocrinus convexus* Brower and Veinus, 1974, p. 709, Pl. 13, fig. 4. Webster, 1986, p. 237.

Ordovician, Sandbian (Champlainian), Wardell Formation, Witten Formation. United States, Tennessee

\**Pararchaeocrinus decoratus* Strimple and Watkins, 1955, p. 351, Figs. 2, nos. b-f; 9, 10. Webster, 1973, p. 195. Ubaghs *in* Moore and Teichert, 1978, p. T148, Fig. 227, no. 3. Kolata, 1982, p. 199, Pl. 18, figs. 4-10; Fig. 54. Webster, 1986, p. 237. Webster, 1988, p. 124.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member.

United States, Oklahoma

*Pararchaeocrinus rugulosus* Kelly and Pope, 1979, p. 417, Pl. 1, figs. 1-7; Fig. 1. Webster, 1986, p. 237.

Ordovician, Katian (Richmondian), upper part of Dillsboro Formation. United States, Indiana



*Pararchaeocrinus?* sp. Kolata, 1982, p. 200, Pl. 20, figs. 11-12. Webster, 1988, p. 124.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

**PARASCYPHOCRINITES** Chen, Yao, and Yu, 1983. \**P. expansus* Chen, Yao, and Yu, 1983, OD.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Scyphocrinitoidea, F. Scyphocrinitidae

Chen, Yao, and Yu, 1983, p. 337. Chen and Yao, 1993, p. 40. Webster, Waters and Chen, 2009, p. 141.

Named, currently recognized species based on cups or crowns: 1 Devonian species, Givetian or early Frasnian  
Devonian. China, Yunnan Province

\**Parascyphocrinites expansus* Chen, Yao, and Yu, 1983, p. 338, Pl. 1, figs. 1-4; Figs. 1-2. Chen and Yao, 1993, p. 40, Pl. 6, fig. 4. Webster, Waters and Chen, 2009, p.

141, Fig. 7, nos. z, aa.

Devonian, Givetian or early Frasnian, upper part of Heyuanzhai Formation. China, Yunnan Province

**PARASCYTALOCRINUS** Kammer and Ausich, 1993. \**Scytalocrinus validus* Wachsmuth and Springer, 1897, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Kammer and Ausich, 1993, p. 617.

Named, currently recognized species based on cups or crowns: 3 Mississippian Viséan species  
Mississippian, Viséan (late Osagean - early Meramecian). United States

*Parascytalocrinus hamiltonensis* (Worthen, 1882). Kammer and Ausich, 1993, p. 617, Figs. 4.1-4.5.

*Poteriocrinus hamiltonensis* Worthen, 1882, p. 7. Worthen, 1883, p. 273, Pl. 27, fig. 9. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 678. Kammer and Ausich, 1993, p. 618.

*Scytalocrinus hamiltonensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 678. Kammer and Ausich, 1993, p. 618.

*Poteriocrinites (Scaphiocrinus) mcadamsi* Worthen, Ms. in Meek and Worthen, 1873. Frest and Strimple, 1977d, p. 861. Kammer and Ausich, 1993, p. 618.

*Graphiocrinus mcadamsi* (Meek and Worthen, 1873). Wachsmuth and Springer, 1880 (1879), p. 123. Bassler and Moodey, 1943, p. 496.

*Scytalocrinus? mcadamsi* (Meek and Worthen, 1873). Frest and Strimple, 1977d, p. 861, Figs. 1, nos. B-C; 2, no. B.

Mississippian, Viséan (late Osagean), Keokuk Limestone, lower part of Warsaw Formation. United States, Illinois, Iowa

*Parascytolecrinus pentagonus* Ausich, Goldstein, and Yates, 2000, p. 1078, Fig. 1, no. 6.

Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation.  
United States, Kentucky

\**Parascytolecrinus validus* (Wachsmuth and Springer, 1897). Kammer and Ausich, 1993, p. 617, Figs. 4.6-4.7. Ausich and Kammer, 2010b, p. 119, Fig. 4, no. E. *Scytolecrinus validus* Wachsmuth and Springer, 1897, Pl. 7, figs. 2a-3. Springer, 1900, p. 141, Pl. 16, figs. 9-10. Bassler and Moodey, 1943, p. 679. Moore and Laudon, 1943b, p. 132, Pl. 3, fig. 2. Moore and Laudon, 1944, p. 169, Pl. 59, fig.

11. Webster, 1973, p. 239. Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 159, no. 1. Moore and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 418, nos. 5c-5d. Webster, 1986, p. 283. Kammer and Ausich, 1993, p. 617.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation, Harrodsburg Limestone. United States, Indiana

**PARASTACHYOCRINUS** Wanner, 1949. \**Erisocrinus malaianus* Wanner, 1924.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Stachyocrinidae

Wanner, 1949a, p. 42. Webster, 1973, p. 195. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T719. Webster, 1986, p. 238.

Named, currently recognized species based on cups or crowns: 4 Permian species, 1 subspecies, series uncertain

Permian, series uncertain. West Timor

*Parastachyocrinus granulatus* (Wanner, 1924). Wanner, 1949a, p. 42. Webster, 1973, p. 195.

*Erisocrinus granulatus* Wanner, 1924, p. 290, Pls. 18, figs. 28-30; 19, fig. 5. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Wanner, 1949a, p. 42. Webster, 1973, p. 195. Pabian and Rushlau, 2002, p. 23

Permian, series uncertain. West Timor, Basleo

*Parastachyocrinus inflatus* Wanner, 1949a, p. 46, Pl. 3, figs. 20-21. Webster, 1973, p. 195.

Permian, series uncertain West Timor

\**Parastachyocrinus malaianus* (Wanner, 1924). Wanner, 1949a, p. 44, Pl. 3, figs. 10-17. Webster, 1973, p. 195. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T720, Fig. 475, no. 1. Webster, 1986, p. 238.

*Erisocrinus malaianus* Wanner, 1924, p. 291, Pl. 18, figs. 22-27. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Wanner, 1949a, p. 44. Webster, 1973, p. 195.

Permian, series uncertain. West Timor, Basleo

*Parastachyocrinus malaianus ornataus* Wanner, 1949 nomen corr.

*Parastachyocrinus malaianus* var. *ornata* Wanner, 1949a, p. 45, Pl. 3, figs. 18-19. Webster, 1973, p. 195.

Permian, series uncertain. West Timor

*Parastachyocrinus obliquus* (Wanner, 1916). Wanner, 1949a, p. 42. Webster, 1973, p. 195.

*Erisocrinus obliquus* Wanner, 1916, p. 225, Pl. 103 (8), fig. 10. Wanner, 1924, p. 288, Pl. 18, figs. 17-21; Fig. 56. Bassler and Moodey, 1943, p. 459. Branson, C. C., 1948, p. 192. Wanner, 1949a, p. 42. Van Sant *in* Van Sant and Lane, 1964, p. 65, Fig. 23, no. 1. Webster, 1973, p. 195.

Permian, series uncertain. West Timor, Basleo

**PARASTEPHANOCRINUS** Springer, 1926. \**P. typus* Springer, 1926.

Sbc. Cladida, O. Cyathocrinida, Spf. and F. uncertain

Springer, 1926a, p. 130. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 590. Lane and Moore *in* Moore and Teichert, 1978, p. T606. Webster, 1986, p. 238.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Silurian, Niagaran. United States, Tennessee

\**Parastephanocrinus typus* Springer, 1926a, p. 139, Pl. 31, figs. 12-12c (incorrectly cited as *P. intermedius*). Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 590. Lane and Moore *in* Moore and Teichert, 1978, p. T606, Fig. 393, no. 1. Webster, 1986, p. 238.

Silurian, Niagaran, Lobelville Limestone. United States, Tennessee

**PARASYCOCRINUS** Marez Oyens, 1940. \**P. fastigateplicatus* Marez Oyens, 1940.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Sycocrinidae

Marez Oyens, 1940a, p. 321. Bassler and Moodey, 1943, p. 590. Branson, C. C., 1948, p. 205. Lane, N. G., 1967b, p. 12, Fig. 6. Arendt, 1970a, p. 128. Webster, 1973, p. 195. Webster, 1977, p. 125. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 238.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Parasyocrinus fastigateplicatus* Marez Oyens, 1940. Bassler and Moodey, 1943, p. 590. Arendt, 1970a, p. 128, Fig. 29. Webster, 1977, p. 125. Lane and Moore *in* Moore and Teichert, 1978, p. T603, Fig. 389, no. 4. Webster, 1986, p. 238.

*Parasyocrinus fastigate-plicatus* Marez Oyens, 1940a, p. 322, Pl. 3, fig. 9; Fig. 6. Branson, C. C., 1948, p. 205. Arendt, 1971a, p. 168, Fig. 2.

Permian, series uncertain. West Timor

*Parasyocrinus fastigate-plicatus* Marez Oyens, 1940 = *Parasyocrinus fastigateplicatus*

**PARATALAROCRINUS** Strimple and Coney, 1978. \**P. transitorius* Strimple and Coney, 1978.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae  
 Strimple and Coney, 1978, p. 484. Broadhead and Strimple, 1980, Fig. 2, nos. D, E. Broadhead, 1981, p. 146. Webster, 1986, p. 238. Webster, 1988, p. 124.  
 Named, currently recognized species based on cups or crowns: 1 Mississippian, Serpukhovian species  
 Mississippian, Serpukhovian (Chesterian). United States, Virginia

\**Paratalarocrinus transitorius* Strimple and Coney, 1978, p. 485, Figs. 1-2. Broadhead, 1985, p. 213, Fig. 6, nos. E-F. Webster, 1988, p. 124.  
 Mississippian, Serpukhovian (Chesterian), Gasper Formation. United States, Virginia

**PARATHETIDICRINUS** Arendt, 1996. \**P. wanneri* Arendt, 1996.  
 Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Theticrinidae  
 Arendt, 1996a, p. 76. Arendt, 1996b, p. 201.  
 Named, currently recognized species based on cups or crowns: 1 Permian Sakmarian species  
 Permian, early Sakmarian. Russia, middle Ural Mountains

\**Parathetidocrinus wanneri* Arendt, 1996a, p. 78, Pl. 9, fig. 1; Fig. 1, no. a. Arendt, 1996b, p. 202, Pl. 9, fig. 1; Fig. 1, no. a.  
 Permian, early Sakmarian. Russia, middle Ural Mountains

*Parathlocrinus watkinsi* (Strimple, 1949) = *Paretholocrinus watkinsi*

**PARATIMOROCIDARIS** Arendt, 1981. \**P. problematicus* Arendt, 1981.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. West Timorocidaroidea, F. West Timorocidaridae  
 Arendt, 1981, p. 84. Webster, 1988, p. 124.  
 Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species  
 Early Permian, late Artinskian. Russia, Ural Mountains

\**Paratimorocidaris problematicus* Arendt, 1981, p. 84, Pl. 29, fig. 1; Fig. 22, nos. g-i. Webster, 1988, p. 124.  
 Early Permian, late Artinskian, Kladokhonusoviy Limestone. Russia, Ural Mountains

**PARAZEACRINITES** Burdick and Strimple, 1971. \**Zeacrinites konincki* Bather, 1912.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinitidae  
 Burdick and Strimple, 1971a, p. 25. Webster, 1977, p. 126. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T749. Webster, 1986, p. 238. Webster, 1988, p. 124. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 85.  
 Named, currently recognized species based on cups or crowns: 2 Mississippian species, 1 Tournaisian – Viséan, 1 Viséan  
 Mississippian, Tournaisian - Viséan. Europe

- Parazeacrinites impressus* (M'Coy, 1849). Burdick and Strimple, 1971a, p. 25.  
Webster, 1977, p. 126.
- Cupressocrinus impressus* M'Coy, 1849, p. 245. M'Coy, 1854a, p. 117, Pl. 3D, fig. 2  
(*Poteriocrinus excavatus*, new name suggested). M'Coy, 1854b, p. 106. Bassler  
and Moodey, 1943, p. 727. Wright, J., 1952a, p. 109. Burdick and Strimple,  
1971a, p. 25. Webster, 1973, p. 268. Webster, 1977, p. 126.
- Eupachycrinus? impressus* (M'Coy, 1849). Bather, 1916a, p. 72, Fig. 8. Bassler  
and Moodey, 1943, p. 727.
- Zeacrinites impressus* (M'Coy, 1849). Wright, J., 1952a, p. 109, Pl. 34, figs. 50, 56,  
63, 69; Fig. 48. Webster, 1973, p. 268.
- Poteriocrinus excavatus* M'Coy, 1854. Bassler and Moodey, 1943, p. 647.  
Mississippian, Viséan. United Kingdom
- \**Parazeacrinites konincki* (Bather, 1916). Burdick and Strimple, 1971a, p. 25.  
Webster, 1977, p. 126. Moore, Lane, and Strimple *in* Moore and Teichert, 1978,  
p. T749, Fig. 496, no. 4. Whyte, 1982, p. 279, Fig. 2. Webster, 1986, p. 238.  
Webster, 1988, p. 124.
- Zeacrinus konincki* Bather, 1916a, p. 73, Figs. 9-12. Wright, J., 1914, p. 162, Pl. 18,  
figs. 2-3. Wright, J., 1918, p. 380, Figs. 7-11. Wright, J., 1926, p. 156, Pls. 16;  
17,  
figs. 1-3; Figs. 61-89. Wright, J., 1939, p. 27, Pl. 5, figs. 2-3, 5; Fig. 18. Bassler  
and Moodey, 1943, p. 727.
- Zeacrinus? konincki* Bather, 1916. Wright, 1920, p. 380, Fig. 7.
- Zeacrinites konincki* (Bather, 1916). Bassler and Moodey, 1943, p. 727. Wright,  
1952a, p. 107, Pls. 32, figs. 1-6, 8-10, 12-17; 33, figs. 1-2, 13, 15; 34, figs. 44-  
49, 51-55, 57-62, 64-68, 70; Figs. 43-47. Ubaghs, 1953, p. 704, Fig. 72. Moore,  
1962b, p. 24, Fig. 14, no. 3. Burdick and Strimple, 1971a, p. 25. Webster, 1973,  
p. 268. Webster, 1977, p. 126.
- Poteriocrinus mccoynus* de Koninck and Le Hon, 1854, p. 91, Pl. 1, fig. 7. Bassler  
and Moodey, 1943, p. 727.
- Zeacrinus mccoynus* (de Koninck and Le Hon, 1854). Sladen, 1878, p. 249.  
Mississippian, Tournaisian - Viséan, Lower Limestone Group, Fife Limestones;  
Mountain Limestone. United Kingdom, Scotland,  
Mississippian, Viséan. Belgium
- PARAZOPHOCRINUS** Strimple, 1963. \**P. callosus* Strimple, 1963.  
Sbc. Disparida, Spf. Belemnocrinoidea, F. Zophocrinidae  
Strimple, 1963d, p. 61. Webster, 1973, p. 195. Webster, 1977, p. 126. Moore and  
Lane *in* Moore and Teichert, 1978, p. T562. Webster, 1986, p. 239. Ausich,  
2003b, p. 472.
- Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran  
species  
Silurian, Ludlovian (Niagaran). United States, Oklahoma
- \**Parazophocrinus callosus* Strimple, 1963d, p. 61, Pl. 2, figs. 10-11. Strimple, 1972c, p.  
119, Fig. 1, nos. A-C. Webster, 1973, p. 195. Moore and Lane *in* Moore and  
Teichert, 1978, p. T562, Fig. 356, no. 1. Ausich, 2003b, p. 472, Figs. 1-2.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*PARERISOCRINUS* Knapp, 1969 = ***ERISOCRINUS***

*Parerisocrinus erectus* (Moore and Plummer, 1940) = *Erisocrinus erectus*

*Parerisocrinus obovatus* (Moore and Plummer, 1940) = *Erisocrinus obovatus*

***PARETHELOCRINUS*** Strimple, 1961. \**P. ellipticus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Strimple, 1961g, p. 81. Strimple and Moore, 1971a, p. 24. Strimple and Moore, 1971b, p. 19. Webster, 1973, p. 195. Pabian and Strimple, 1974a, p. 288.

Webster, 1977, p. 126. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 457. Pabian and Strimple, 1980a, p. 162. Webster, 1981, p. 1195, Fig.

1. Webster, 1986, p. 239. Webster, 1988, p. 124. Pabian and Rushlau, 2002, p. 24.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 1 Morrowan, 2 Desmoinesian

Early - Middle Pennsylvanian, Morrowan; Desmoinesian. United States

*Parethlocrinus beedei* (Moore and Plummer, 1940) = *Parulocrinus beedei*

\**Parethlocrinus ellipticus* Strimple, 1961g, p. 83, Pls. 8, figs. 4-5; 18, figs. 1-2; 19, fig. 5. Branson, C. C., 1962, p. 163, Fig. 2. Webster, 1973, p. 195. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 459, no. 5. Webster, 1986, p. 239.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Parethlocrinus expansus* (Strimple, 1938) = \**Aaglaocrinus expansus*

*Parethlocrinus iatani* (Strimple, 1949) = *Synarmocrinus iatani*

*Parethlocrinus magnus* (Strimple, 1949) = \**Aglaocrinus magnus*

*Parethlocrinus millsapensis* (Moore and Plummer, 1940) = *Aglaocrinus millsapensis*

*Parethlocrinus occultator* Burke, 1974 = *Dicromyocrinus occultator*

*Parethlocrinus plattsburgensis* (Strimple, 1938) = *Parulocrinus plattsburgensis*

*Parethlocrinus rectilatus* (Lane and Webster, 1966) = *Parulocrinus rectilatus*

*Parethlocrinus variabilis* (Strimple, 1949). Strimple, 1961g, p. 82. Webster, 1973, p. 196.

*Ethelocrinus variabilis* Strimple, 1949d, p. 14, Pl. 1, fig. 8, 10-11. Strimple, 1961g, p.

82. Webster, 1973, p. 196.  
Pennsylvanian, Morrowan, Otterville Limestone. United States, Oklahoma
- Parethlocrinus* sp. cf. *variabilis* (Strimple, 1949). Pabian and Rushlau, 2002, p. 24, Figs. 6, nos. 9-11; 7, nos. 1-2, 10-12.  
Pennsylvanian, Missourian, Swope Formation, Bethany Falls Limestone Member. United States, Nebraska
- Parethlocrinus watkinsi* (Strimple, 1949). Strimple, 1961g, p. 82. Strimple and Watkins, 1969, p. 171, Pls. 44, figs. 4-5; 48, figs. 3-4; 55, fig. 4. Webster, 1973, p. 196. Webster, 1977, p. 126. Webster and Kues, 2006, p. 14, Figs. 5.32-5.34.  
*Ethelocrinus watkinsi* Strimple, 1949d, p. 8, Pl. 3, figs. 10, 17; Fig. 1. Strimple, 1961g, p. 82. Webster, 1973, p. 196.  
*Parathlocrinus watkinsi* (Strimple, 1949). Finsley, 1989, p. 96, Fig. 320.  
Pennsylvanian, Desmoinesian, Arnold Limestone; Millsap Lake Formation; Madera Group, Los Moyos Limestone. United States, Oklahoma, Texas, New Mexico
- Parethlocrinus* spp.  
Strimple, 1962e, p. 47. Webster, 1973, p. 196.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma  
Cornwell and Cornwell, 1968, Pl. 2, fig. 2. Webster, 1977, p. 126.  
Pennsylvanian. United States, Iowa  
Webster and Lane, 1970, p. 291, Pl. 57, fig. 17. Webster, 1977, p. 126.  
Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona  
Strimple and Moore, 1971b, p. 19, Fig. 6, no. 6. Webster, 1977, p. 126.  
Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma  
Pabian and Strimple, 1978a, p. 46, Fig. 1, nos. B-D. Webster, 1986, p. 240.  
Pennsylvanian, Missourian, Stanton Formation, South Bend Limestone Member. United States, Nebraska  
Webster and Kues, 2006, p. 14, Fig. 5.31.  
Pennsylvanian, Desmoinesian or Missourian, Madera Group, unknown horizon. United States, New Mexico
- PARICHTHYOCRINUS** Springer, 1902. \**Ichthyocrinus nobilis* Wachsmuth and Springer, 1879.  
Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Springer, 1902, p. 94. Springer, 1906, p. 519. Springer in Zittel, 1913, p. 206.  
Springer, 1920a, p. 342. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 590. Moore and Laudon, 1943b, p. 69, Fig. 10. Moore and Laudon, 1944, p. 177, Pl. 67, fig. 9. Ubaghs, 1953, p. 755. Webster, 1973, p. 196. Moore in Moore and Teichert, 1978, p. T772, Figs. 506, no. 12a; 508, no. 4a. Webster, 1986, p. 240. Webster, 1988, p. 124. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 85.  
Named, currently recognized species based on cups or crowns: 4 Mississippian species, 1 Tournaisian, 3 Viséan  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America

*Parichthyocrinus crawfordsvillensis* (Miller and Gurley, 1894) = *Forbesiocrinus wortheni*

*Parichthyocrinus? crawfordsvillensis* (Miller and Gurley, 1894) = *Parichthyocrinus crawfordsvillensis* = *Forbesiocrinus wortheni*

*Parichthyocrinus meeki* (Hall, 1858). Springer, 1920a, p. 411, Pl. 62, figs. 1-3. Bassler and Moodey, 1943, p. 591. Moore and Laudon, 1944, p. 179, Pl. 69, fig. 12. Webster, 1973, p. 196. Moore in Moore and Teichert, 1978, p. T773, Fig. 513, no. 2c. Webster, 1986, p. 240.

*Forbesiocrinus meeki* Hall, 1858c, p. 631, Pl. 17, fig. 3. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 591.

*Taxocrinus meeki* (Hall, 1858). Miller, S. A., 1889, p. 286. Zittel, 1895, p. 138, Fig. 273. Weller, S., 1898c, p. 625. Wachsmuth in Zittel, 1900, p. 163, Fig. 273. Mississippian, Viséan (Osagean), Edwardsville Formation, Keokuk Limestone. United States, Indiana, Illinois, Iowa

\**Parichthyocrinus nobilis* (Wachsmuth and Springer, 1879). Springer, 1902, p. 96. Springer, 1906, p. 522, Pl. 6, fig. 17. Springer, 1920a, p. 411, Pl. 61, figs. 1-16. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 8. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 8. Webster, 1973, p. 197. Moore in Moore and Teichert, 1978, p. T773, Fig. 511, no. 2; 513, nos. 2a-2b. Webster, 1986, p. 240.

*Ichthyocrinus nobilis* Wachsmuth and Springer, 1879, p. 254, Pl. 2, fig. 7. Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 312. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591.

Mississippian, Viséan (Osagean, upper part of Burlington Limestone; Keokuk transition beds. United States, Iowa

*Parichthyocrinus seversoni* (Laudon, Parks and Spreng, 1952). Webster, 1973, p. 197.

*Paraichthyocrinus seversoni* Laudon, Parks, and Spreng, 1952, p. 560, Pl. 66, figs. 10-14; 69, fig. 11 (sic).

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Parichthyocrinus spinulosus* (Miller and Gurley, 1894) [sic] = *Wachsmuthicrinus spinosulus*

*Parichthyocrinus subovatus* (Miller and Gurley, 1890). Springer, 1920a, p. 411, Pls. 21, fig. 6; 62, figs. 4-17; 63, figs. 1-4. Bassler and Moodey, 1943, p. 591. Moore in Moore and Teichert, 1978, p. T773, Fig. 513, no. 2c.

*Taxocrinus subovatus* Miller and Gurley, 1890b, p. 26, Pl. 5, fig. 3. Miller and Gurley, 1891, p. 347, Pl. 5, fig. 3. Miller, S. A., 1892a, p. 682, Fig. 1251. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 591.

Mississippian, Viséan (Osagean, Ramp Creek Formation. United States, Indiana

*Parichthyocrinus* sp. Howell, 1995, p. 100, Pl. 5, fig. 4 (sic).

No age or locality given



**PARINDOCRINUS** Wanner, 1937. \**P. oyensi* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Parindocrinidae

Wanner, 1937, p. 165. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591. Moore and Laudon, 1943b, p. 64. Branson, C. C., 1948, p. 205. Arendt and Hecker, 1964, p. 92. Webster, 1973, p. 197. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678. Arendt, 1981, p. 32. Webster, 1986, p. 240. Webster, 1988, p. 125.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Parindocrinus oyensi* Wanner, 1937, p. 167, Pls. 10, figs. 35-38; 11, figs. 1-6: Fig. 60. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591. Branson, C. C., 1948, p. 205. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 110, no. 4. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 6. Arendt, 1981, p. 32, Fig. 7, nos. d-z. Webster, 1986, p. 240. Webster, 1988, p. 125. Permian, series uncertain. West Timor, Basleo

**PARIOCRINUS** Eckert, 1984. \**P. heterodactylus* Eckert, 1984.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae Eckert, 1984, p. 29. Webster, 1988, p. 125.

**"PARIOCRINUS"** Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. Canada

**"PARIOCRINUS"** Ausich, 1998b = **PARIOCRINUS**

**PARIOCRINUS** Rozhnov, 1988 (non Eckert, 1984). \**P. ladogensis* Rozhnov, 1988.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae Rozhnov, 1988, p. 75. Rozhnov, 1989, p. 70. Webster, 1993, p. 85. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Dapingian species

Ordovician, Dapingian. Estonia

\**Pariocrinus heterodactylus* Eckert, 1984, p. 29, Pl. 6, figs. 1-6; Fig. 13, nos. A-D. Webster, 1988, p. 125.

Silurian, Llandoveryian (Medinian), Cabot Head Formation. Canada, Ontario

\**Pariocrinus ladogensis* Rozhnov, 1988, p. 76, Pl. 7, Figs. 1-5; Fig. 3, nos. a-d.

Rozhnov, 1989, p. 70, Pl. 7, figs. 1-5; Fig. 3, nos. a-d. Webster, 1993, p. 85. Ordovician, Dapingian, Volkhov Horizon. Estonia

- PARISANGULOCRINUS** Schmidt, 1934. \**Poteriocrinus zeaiformis* Schultze, 1866.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F.  
 Dendrocrinidae  
 Schmidt, W. E., 1934, p. 59. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p.  
 591. Moore and Laudon, 1943b, p. 52. Ubaghs, 1953, p. 751. Arendt and  
 Hecker, 1964, p. 86. Webster, 1973, p. 197. Moore and Lane *in* Moore and  
 Teichert, 1978, p. T612. Webster, 1986, p. 240. Webster, 1993, p. 85.  
 Named, currently recognized species based on cups or crowns: 5 Devonian species,  
 1 Lochkovian, 4 Emsian  
 Devonian, early Emsian. Germany  
 Devonian, Lochkovian. Russia
- Parisangulocrinus cucumis* Schmidt, W. E., 1942, p. 26, Pl. 4, fig. 2. Webster, 1973, p.  
 197.
- Parisangulocrinus minax* Schmidt, W. E., 1934, p. 65, Pls. 12, fig. 1; 28. Fig. 12.  
 Schmidt, W. E., 1942, p. 26. Bassler and Moodey, 1943, p. 591. Webster, 1973,  
 p. 197. Bartels and Brassel, 1990, Fig. 151.
- Parisangulocrinus minax?* Schmidt, W. E., 1934, p. 68, Pl. 28. Schmidt, W. E., 1942,  
 p. 26. Webster, 1973, p. 197.
- Parisangulocrinus minax* Schmidt, 1941. Bartels, Briggs, and Brassel, 1998, p. 189,  
 Fig. 166.
- Parisangulocrinus?* sp. Schmidt, W. E., 1934, p. 63, Pl. 4, fig. 3; Fig. 10, no. c.  
 Schmidt, W. E., 1942, p. 26. Webster, 1973, p. 197.
- ?*Parisocrinus zeaiformis* Opitz, 1932, p. 109, Fig. 108. Schmidt, W. E., 1942, p. 26.  
 Webster, 1973, p. 197.
- ?*Bactrocrinus nanus* Opitz, 1932, p. 109, Fig. 108. Schmidt, W. E., 1942, p. 26.  
 Webster, 1973, p. 197.  
 Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Parisangulocrinus* sp. (*cucumis*-Gruppe?). Kutscher, 1976, p. 294, Fig. 1. Webster,  
 1986, p. 240.  
 Devonian, early Emsian, Hunsrück Slates. Germany
- Parisangulocrinus furcaxialis* Schmidt, W. E., 1934, p. 64, Pl. 6, fig. 3; Fig. 11. Bassler  
 and Moodey, 1943, p. 591. Moore and Lane *in* Moore and Teichert, 1978, p.  
 T612, Fig. 397, no. 1. Webster, 1986, p. 240.  
 Devonian, early Emsian, Hunsrück Slates. Germany
- Parisangulocrinus minax* Schmidt, 1934 = *Parisangulocrinus cucumis*
- Parisangulocrinus minax?* Schmidt, 1934 = *Parisangulocrinus cucumis*
- Parisangulocrinus samushinensis* Yeltysheva and Rozhnov, 1986, p. 125, Figs. 1-2.  
 Yeltysheva and Rozhnov, 1987, p. 108, Figs. 1-2. Webster, 1993, p. 85.  
 Devonian, Lochkovian (Gedinnian), Borshchovsky Horizon. Russia, Podolia

*Parisangulocrinus schmidti* Lehmann, 1939, p. 3, Pl. 1, fig. 1. Schmidt, W. E., 1942, p. 25. Webster, 1973, p. 197.

Devonian, early Emsian, Hunsrück Slates. Germany

\**Parisangulocrinus zaeiformis* (Schultze, 1866). Schmidt, W. E., 1934, p. 60, Pls. 4, fig. 3; 20, fig. 3; Fig. 10, nos. a-c. Schmidt, W. E., 1942, p. 28. Bassler and Moodey, 1943, p. 591. Webster, 1973, p. 197. Bartels and Brassel, 1990, p. 165, Figs. 149, 150. Bartels, 1995, p. 42, Fig. 1. Bartels, Briggs, and Brassel, 1998, p. 175, Fig. 151; 186, Fig. 162; p. 190, Fig. 167.

*Poteriocrinus zaeiformis* Schultze, 1866, p. 43 (adv. pub.). Schultze, 1867, p. 155. Follmann, 1887, p. 122, Pl. 2, figs. 6a-6b. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591.

*Parisocrinus zaeiformis* (Schultz, 1866). Jaekel, 1895a, p. 64, Pl. 4, figs. 2-3. Bassler and Moodey, 1943, p. 591. Stürmer, 1965, p. 222, Pl. 6. Webster, 1973, p. 197.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Parisangulocrinus* spp. Bartels and Blind, 1995, p. 80, Fig. 1; p. 97, Fig. 22. Bartels *et al.*, 1997, p. 40, Figs. 21, 56. Bartels, Briggs, and Brassel, 1998, p. 177, Fig. 153.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Parisangulocrinus?* spp. Bartels and Brassel, 1990, p. 158, Fig. 142. Bartels, 1994, p. 49, Fig. 26. Bartels *et al.*, 1997, p. 40, Fig. 49.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Parisangulocrinus?* sp. Schmidt, 1934 = *Parisangulocrinus cucumis*

**PARISOCRINUS** Wachsmuth and Springer, 1880. \**Poteriocrinites perplexus* Meek and Worthen, 1869.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae

Wachsmuth and Springer, 1880 (1879), p. 115 (338). Wachsmuth and Springer, 1886, p. 221 (145). Miller, S. A., 1889, p. 267. Bather, 1890b, p. 332. Zittel, 1895,

p. 136. Jaekel, 1895a p. 64. Bather, 1899a, p. 35, fig. 16. Bather *in* Lankester, 1900, p. 120. Wachsmuth *in* Zittel, 1900, p. 158. Springer *in* Zittel, 1913, p. 218. Schmidt, W. E., 1934, p. 144. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p. 591. Moore and Laudon, 1943b, p. 51. Moore and Laudon, 1944, p. 154. Ubaghs, 1953, p. 750. Philip, 1963, Fig. 2, no. c. Yakovlev, 1964b, p. 65, Fig. 90, no. v. Arendt and Hecker, 1964, p. 85. Webster, 1973, p. 197. Lane and Moore

*in*

Moore and Teichert, 1978, p. T585. Haugh, 1979, p. 18. Ausich, 1986c, p. 729. Webster, 1986, p. 241. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 85. Kammer and Ausich, 1996, p. 861. Hauser, 1997, p. 24, Fig. 6. Hauser, 2001, p. 101, Fig. 83. Kammer and Gahn, 2003a, p. 130. Waters *et al.*, 2003, p. 942.

Named, currently recognized species based on cups or crowns: 8 species. 4

Devonian, 1 Eifelian, 1 Givetian, 2 Famennian; 4 Mississippian, 1 Tournaisian, 3

## Viséan

Middle Devonian, Eifelian; Mississippian, Tournaisian. Europe  
 Middle Devonian, Givetian; Mississippian, Tournaisian - Viséan. Russia  
 Devonian, late Givetian; Mississippian, Viséan (Osagean). United States

*Parisocrinus asiaticus* Yakovlev in Yakovlev and Ivanov, 1956, p. 51, Pl. 17, figs. 3-4.  
 Arendt and Hecker, 1964, p. 85, Pl. 9, fig. 16. Webster, 1973, p. 197.  
 Mississippian, Viséan. Russia, Kuznetz Basin

*Parisocrinus canaliculatus* Jaekel, 1895 = *Vasocrinus canaliculatus*

?*Parisocrinus conicus* Waters et al., 2003, p. 942, Figs. 9, nos. 12-13; 12, nos. 19-20.  
 Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar  
 Basin

*Parisocrinus crawfordsvillensis* (Miller, 1882) = *Parisocrinus tenuibrachiatus*

*Parisocrinus?* *crawfordsvillensis* (Miller, 1882) = *Parisocrinus crawfordsvillensis* =  
*Parisocrinus tenuibrachiatus*

*Parisocrinus curtus* (Müller, 1855). Wachsmuth and Springer, 1880 (1879), p. 115  
 (338). Bather, 1893a, p. 103. Springer in Zittel, 1913, p. 218, Fig. 315. Bassler  
 and Moodey, 1943, p. 592. Lane and Moore in Moore and Teichert, 1978, p.  
 T585, Fig. 375, nos. 1c-1g. Hauser, 1997, p. 24, Pl. 32, figs. 6-7.

*Poteriocrinus curtus* Müller, J. in Zeiler and Wirtgen, 1855, p. 80, Pl. 10, figs. 2-3.  
 Müller, J., 1857, p. 250, Pl. 2, fig. 3. Schultze, 1866, p. 48 (adv. pub.). Schultze,  
 1867, p. 158, Pl. 5, fig. 5. Zittel, 1880, p. 351, 359, Fig. 246, nos. a-c. Bassler  
 and Moodey, 1943, p. 592.

*Homocrinus curtus* (Müller, 1855). Zittel, 1895, p. 135, Fig. 258, nos. a-c.  
 Wachsmuth in Zittel, 1900, p. 155, Fig. 258, nos. a-c.  
 Devonian, Eifelian, ?Junkerberg Formation. Germany

*Parisocrinus* cf. *curtus* (Mueller, 1855). Hauser, 1997, p. 24, Pl. 32, fig. 5. Hauser,  
 2001,  
 Pl. 14, fig. 4.  
 Devonian, Eifelian, Junkerberg Formation, Giesdorf Member; Givetian, ?Loogh  
 Formation. Germany

*Parisocrinus intermedius* (Hall, 1858) = *Pellacrinus intermedius*

*Parisocrinus labyrinthicus* (Miller, 1891). Kammer and Ausich, 1996, p. 861. Kammer  
 and Gahn, 2003a, p. 131, Figs. 4.8-4.9.  
*Cyathocrinus labyrinthicus* Miller, S. A., 1891c, p. 49, Pl. 12, figs. 11-14 (adv. pub.)  
 Miller, S. A., 1892a, p. 676. Miller, S. A., 1892b, p. 660, Pl. 12, figs. 11-14. Miller,  
 S. A., 1897, p. 741. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p.  
 641.  
 Kammer and Ausich, 1996, p. 861.

*Poteriocrinus labyrinthicus* (Miller, 1891). Miller and Gurley, 1896b, p. 34, Pl. 4, fig. 7. Miller, S. A., 1897, p. 751, Fig. 1387. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 641. Kammer and Ausich, 1996, p. 861.  
*Poteriocrinites labyrinthicus* (Miller, 1891). Bassler and Moodey, 1943, p. 641. Kammer and Ausich, 1996, p. 861.  
 Mississippian, Viséan (Osagean), Edwardsville Formation; upper part of Warsaw Formation; lower part of Burlington Limestone. United States, Indiana, Missouri, Iowa

*Parisocrinus mulletensis* Haugh, 1979 = *Eoparisocrinus mulletensis*

?*Parisocrinus nodosus* Waters et al., 2003, p. 942, Figs. 9, nos. 10-11; 12, no. 18. Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

*Parisocrinus perplexus* (Meek and Worthen, 1869) = *Parisocrinus tenuibrachiatus*

*Parisocrinus? pocilliformis* Goldring, 1935c, p. 836, Pl. 58, figs. 6-7. Bassler and Moodey, 1943, p. 592.  
 Devonian, late Givetian, Tully Limestone, West Brook Member. United States, New York

*Parisocrinus quinquangularis* (Miller, 1821). Wachsmuth and Springer, 1880 (1879), p. 115 (338). Wachsmuth and Springer, 1886, p. 221 (145). Bassler and Moodey, 1943, p. 592.  
*Cyathocrinites quinquangularis* Miller, J. S., 1821, p. 92, Unnum. Pl. opposite p. 92. Fleming, 1828, p. 495. Phillips, 1836, p. 206, Pl. 3, figs. 30-32. Bassler and Moodey, 1943, p. 592.  
*Cyathocrinus quinquangularis* (Miller, 1821). de Koninck, 1842-1844, p. 48, Pl. G, fig. 1, nos. a-b. Bronn, 1848, p. 1035. d'Orbigny, 1850, p. 157.  
*Poteriocrinus (Parisocrinus) quinquangularis* (Miller, 1821). Wachsmuth and Springer, 1880, p. 338. Bassler and Moodey, 1943, p. 649.  
*Poterioocrinus quinquangularis* (Miller, 1821). Bronn, 1848, p. 1035 (sic).  
*Encrinites pentacrinoïdes* Schlotheim, 1822-1823, p. 99, Pl. 27, figs. 2a-2c. Schlotheim, 1832, p. 25, Pl. 27, figs. 2a-2e. Bronn, 1848, p. 1035. Bassler and Moodey, 1943, p. 448.  
 ?*Pentacrinites excavatus* Schlotheim, 1822-1823. Bronn, 1848, p. 1035. Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Parisocrinus quinquangularis* (Austin, 1843) (non Miller, 1821) = *Fiannacrinus quinquangularis*

*Parisocrinus radiatus* (Austin and Austin, 1843) = *Cyathocrinites? radiatus*

*Parisocrinus salignoïdeus* (White, 1865) = *Parisocrinus tenuibrachiatus*

*Parisocrinus siluricus* Springer, 1926 = \**Eoparisocrinus siluricus*

*Parisocrinus stellaris* Jaekel, 1895 = *Vasocrinus stellaris*

*Parisocrinus subramosus* (Miller and Gurley, 1890) = *Parisocrinus crawfordsvillensis* =  
*Parisocrinus rachiatus*

*Parisocrinus tenuibrachiatus* (Meek and Worthen, 1861). Wachsmuth and Springer, 1880 (1879), p. 115 (338). Weller, S., 1898c, p. 410. Bassler and Moodey, 1943, p. 593. Kammer and Gahn, p. 130, Figs. 1.10-1.15.

*Poteriocrinus tenuibrachiatus* Meek and Worthen, 1861, p. 138. Meek and Worthen, 1868c, p. 484, Pl. 16, fig. 1; Unnum. Fig. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 275, Fig. 407. Weller, S., 1898, p. 410. Bassler and Moodey, 1943, p. 593.

*Poteriocrinus salignoideus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 10. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 275. Weller, S., 1898, p. 410. Bassler and Moodey, 1943, p. 592.

*Parisocrinus salignoideus* (White, 1862). Wachsmuth and Springer, 1880 (1879), p. 115 (338). Wachsmuth and Springer, 1886, p. 221 (145). Weller, S., 1898c, p. 410. Bassler and Moodey, 1943, p. 592. Kammer and Gahn, 2003a, p. 131.

\**Parisocrinus perplexus* (Meek and Worthen, 1873). Wachsmuth and Springer, 1880 (1879), p. 115 (338). Weller, S., 1898, p. 410. Bassler and Moodey, 1943, p. 592. Ausich, 1986c, p. 729, Fig. 8. Webster, 1993, p. 86. ). Kammer and Gahn, 2003a, p. 131.

*Poteriocrinites? perplexus* Meek and Worthen, 1873, p. 405, Pl. 2, fig. 12. Weller, S., 1898, p. 410. Bassler and Moodey, 1943, p. 592. Kammer and Gahn, 2003a, p. 131.

*Poteriocrinites perplexus* (Meek and Worthen, 1869). Bassler, 1938, p. 146.

*Poteriocrinus perplexus* (Meek and Worthen, 1869). Miller, S. A., 1889, p. 275.

*Cyathocrinus crawfordsvillensis* Miller, S. A., 1882b, p. 79, Pl. 3, fig. 1. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 199. Bassler and Moodey, 1943, p. 592. Kammer and Ausich, 1996, p. 861.

*Parisocrinus crawfordsvillensis* (Miller, 1882). Van Sant *in* Van Sant and Lane, 1964, p. 72, Pl. 1, figs. 7-8, 11: Fig. 27. Webster, 1973, p. 197. Ubaghs *in* Moore and Teichert, 1978, p. T125, T208, Figs. 94, no. 4; 174, nos. 1-3. Kammer and Ausich, 1996, p. 861. Kammer and Gahn, 2003a, p. 131. Ausich and Kammer, 2010b, p. 120, Fig. 4, no. B.

*Parisocrinus? crawfordsvillensis* (Miller, 1882). Wachsmuth and Springer, 1886, p. 312. Bassler and Moodey, 1943, p. 592. Kammer and Ausich, 1996, p. 861.

*Parisocrinus subramosus* (Miller and Gurley, 1890). Springer, 1900, p. 145, Pl. 16, figs. 1-4. Delage and Herouard, 1903, p. 380, Figs. 454-455. Springer, 1911c, p. 157, Pl. 4, fig. 18. Bassler and Moodey, 1943, p. 593. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 20. Ubaghs, 1953, p. 750, Figs. 14, no. e; 33, no. i. Webster, 1973, p. 197. Kammer and Ausich, 1996, p. 861.

*Poteriocrinus subramosus* Miller and Gurley, 1890b, p. 49, Pl. 10, fig. 1. Miller and Gurley, 1891, p. 365, Pl. 10, fig. 1. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 478. Bassler and Moodey, 1943, p. 593. Van Sant *in* Van Sant and Lane, 1964, p. 72. Webster, 1973, p. 197. Kammer and Ausich, 1996, p. 861.

*Poteriocrinus circumtextus* Miller and Gurley, 1894b, p. 31, Pl. 2, figs. 29-30. Miller, S. A., 1897, p. 751, Fig. 1385. Weller, S., 1898c, p. 473. Weller, S., 1900, p. 37,

41, Figs. 25, 29. Bassler and Moodey, 1943, p. 639. Kammer and Ausich, 1996, p. 861.  
*Poteroicrinites circumtextus* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p. 639. Van Sant in Van Sant and Lane, 1964, p. 72. Webster, 1973, p. 197.  
 Mississippian, Viséan (Osagean), Edwardsville Formation; lower and upper part of Burlington Limestone. United States, Indiana, Iowa

*Parisocrinus zeaeformis* Jaekel, 1895 = *Parisangulocrinus zeaeformis*

?*Parisocrinus zeaeformis* Opitz, 1932 = *Parisangulocrinus cucumis*

*Parisocrinus* spp.

Seilacher, 1961, p. 15, Fig. 1, frontice. Webster, 1973, p. 197 (probably a *Parisangulocrinus*, GDW).

Devonian, Coblenzian, Hunsrückschiefer. Germany  
 Masutomi, K. and Hamada, T., 1966, p. 38, Pl. 19, fig. 1.  
 Devonian

*Parisocrinus* sp. Howell, 1995, p. 100, Pl. 5, fig. 11.  
 No age or locality given

?*Parisocrinus* sp. Hauser, 1997 = *Vasocrinus ahbachensis*

**PARSPANIOCRINUS** Strimple, 1971. \**P. beinerti* Strimple, 1971.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Spaniocrinidae

Strimple, 1971c, p. 1040. Webster, 1977, p. 126. Moore and Strimple in Moore and Teichert, 1978, p. T656, Fig. 429, no. 3. Webster, 1986, p. 241.

Named, currently recognized species based on cups or crowns: 1 Permian, Wolfcampian species

Permian, Wolfcampian. Mexico

\**Parspaniocrinus beinerti* Strimple, 1971c, p. 1041, Fig. 1, nos. a-c. Moore and Strimple in Moore and Teichert, 1978, p. T656, Fig. 429, no. 3. Webster, 1986, p. 241.

Permian, Wolfcampian. Mexico

Part of detached crinoid arm Wright, D. K., 1983, p. 587, Pl. 65, fig. 5. Webster, 1988, p. 125.

Ordovician, Katian, Gorllwyn Slate. United Kingdom

**PARULOCRINUS** Moore and Plummer, 1940. \**Ulocrinus blairi* Miller and Gurley, 1894.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Moore and Plummer, 1940, p. 351, 360. Bassler and Moodey, 1943, p. 593. Moore and Laudon, 1943b, p. 62. Moore and Laudon, 1944, p. 175. Strimple, 1966a, p. 4. Strimple and Watkins, 1969, p. 161. Strimple and Moore, 1971a, p. 26.

Strimple and Moore, 1973b, p. 13. Webster, 1973, p. 198. Webster, 1977, p. 127.

Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 457. Webster, 1981, p. 1195, Fig. 1. Pabian and Strimple, 1985, p. 62. Bowsher and Strimple, 1986, p. 15. Webster, 1986, p. 242. Webster, 1988, p. 125. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 7. Webster, 1993, p. 86. Pabian and Rushlau, 2002, p. 25.

Named, currently recognized species based on cups or crowns: 11 species. 9

Pennsylvanian species, 3 Desmoinesian, 4 Missourian, 1 Virgilian, 1 Missourian – Virgilian; 2 Permian, Wolfcampian

Pennsylvanian, Desmoinesian - Early Permian, Wolfcampian. United States

Pennsylvanian, Desmoinesian: Brazil

Pennsylvanian, Westphalian. Algeria

*Parulocrinus americanus* (Weller, 1909). Strimple, 1966a, p. 4. Webster, 1973, p. 198.

*Phialocrinus americanus* Weller, S., 1909b, p. 625, Pl. 1, figs. 8-9. Bassler and Moodey, 1943, p. 718. Branson, C. C., 1948, p. 220.

*Ulocrinus americanus* (Weller, 1909). Moore and Plummer, 1940, p. 338, Pl. 19, fig. 6; Fig. 67. Bassler and Moodey, 1943, p. 718. Branson, C. C., 1948, p. 220. Strimple, 1966a, p. 4. Webster, 1973, p. 198.

Permian, late Wolfcampian, Cibolo Formation. United States, Texas

*Parulocrinus beedei* Moore and Plummer, 1940, p. 367, Pl. 14, fig. 9; Fig. 72.

Bassler and Moodey, 1943, p. 593. Strimple, 1966a, p. 4. Webster, 1973, p. 198. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 449, nos. 2e-2f.

*Parethelocrinus beedei* (Moore and Plummer, 1940). Strimple, 1961g, p. 82. Webster, 1973, p. 198.

*Mooreocrinus beedei* (Moore and Plummer, 1940). Strimple, 1976c, p. 163, Fig. 1. Webster, 1986, p. 210.

Pennsylvanian, Missourian, Palo Pinto Limestone; Barnsdall Formation. United States, Texas, Oklahoma

\**Parulocrinus blairi* (Miller and Gurley, 1893). Moore and Plummer, 1940, p. 361.

Bassler and Moodey, 1943, p. 593. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 37. Wright and Strimple, 1945, p. 227, Fig. 2. Strimple, 1961g, p. 75.

Strimple, 1966a, p. 4. Webster, 1973, p. 198. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 449, nos. 2a-2c. Webster, 1986, p. 242.

*Ulocrinus blairi* Miller and Gurley, 1893, p. 57, Pl. 5, figs. 16-18. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 637. Bassler and Moodey, 1943, p. 593. Strimple, 1961g, p. 75. Webster, 1973, p. 198.

"*Ulocrinus*" *blairi* (Miller and Gurley, 1893). Bather, 1900a, p. 121, Fig. 29, no. 1. Bassler and Moodey, 1943, p. 593.

Pennsylvanian, Missourian, Argentine Limestone. United States, Missouri

*Parulocrinus* sp. cf. \**P. blairi* (Miller and Gurley, 1893). Pabian and Strimple, 1980b, p. 17, Pl. 5, fig. 13. Pabian and Strimple, 1985, p. 62, Fig. 24, nos. d-f. Webster, 1986, p. 242. Webster, 1988, p. 125. Pabian and Rushlau, 2002, p. 25,



- Figs. 6, nos. 12-13; 7, nos. 3-7.  
 Pennsylvanian, Virgilian, Oread Formation, Plattsmouth Limestone Member;  
 Kanwaka Formation, Stull Shale Member. United States, Iowa, Nebraska
- Parulocrinus caverna* (Strimple, 1949). Strimple, 1966a, p. 4. Webster, 1973, p. 198.  
*Ulocrinus caverna* Strimple, 1949c, p. 23, Pl. 6, figs. 5-8. Strimple, 1966a, p. 4.  
 Webster, 1973, p. 198. Pabian and Strimple, 1993, p. 15, Fig. 6, nos. c-e.  
 Pennsylvanian, Missourian, ?Virgilian, Iola Limestone; South Bend Limestone.  
 United States, Kansas
- Parulocrinus compactus* Moore and Plummer, 1940 = *Paracromyocrinus compactus* =  
*Aglacrinus compactus*
- Parulocrinus globatus* Bowsher and Strimple, 1986, p. 15, Figs. 46, nos. a-d; 47, nos.  
 a-b; 60, nos. a-k (Fig. 47 nos. a-b same as Fig. 60, nos. j-k). Webster, 1993, p.  
 86. Webster and Kues, 2006, p. 14, Figs. 5.21-5.24.  
 Pennsylvanian, late Desmoinesian, Gobbler Formation, Bug Scuffle Member. United  
 States, New Mexico
- Parulocrinus marquisi* Moore and Plummer, 1940 = *Paracromyocrinus marquisi*
- Parulocrinus planus* Strimple and Moore, 1973b, p. 13, Fig. 9, nos. 1-3. Webster, 1977,  
 p. 127.  
 Pennsylvanian, Desmoinesian, Minturn Formation, formerly called McCoy  
 Formation. United States, Colorado
- Parulocrinus plattsburgensis* (Strimple, 1938). Moore and Plummer, 1940, p. 379.  
 Bassler and Moodey, 1943, p. 593.  
*Ethelocrinus plattsburgensis* Strimple, 1938, p. 11, Pl. 2, figs. 6, 9, 12. Bassler and  
 Moodey, 1943, p. 593. Strimple, 1959a, p. 126, Pl. 2, figs. 6, 9, 12. Strimple,  
 p. 82. Webster, 1973, p. 196.  
*Parethelocrinus plattsburgensis* (Strimple, 1938). Strimple, 1961g, p. 82. Strimple  
 and Watkins, 1969, p. 172, Pl. 49, figs. 1-3. Strimple, 1971b, p. 80, Fig. 1, nos.  
 A-E. Webster, 1973, p. 196. Pabian and Strimple, 1974a, p. 288, Pl. 36, figs. 7,  
 8. Webster, 1977, p. 126. Webster, 1986, p. 240.  
 Pennsylvanian, Missourian - Virgilian, Plattsburg Group, Lansing Formation; Wann  
 Formation; shale below Rough Mountain Conglomerate; Lecompton Formation,  
 Beil Limestone Member. United States, Oklahoma, Nebraska
- Parulocrinus pontiacensis* Strimple and Moore, 1971a, p. 27, Pls. 2, figs. 4a, 4b; 5, fig.  
 3; 17, figs. 4a-4c. Priest, 1973, Unnum. Fig. p. 72. Webster, 1977, p. 127. Moore  
 and Strimple in Moore and Teichert, 1978, p. T700, Fig. 449, no. 2d. Webster,  
 1986, p. 242. Ausich in Hess et al., 1999 p. 159, Fig. 173.  
 Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United  
 States, Illinois
- Parulocrinus pustulosus* Moore and Plummer, 1940 = *Aglacrinus pustulosus* =  
*Paracromyocrinus pustulosus* = *Aglacrinus pustulosus*

*Parulocrinus rectilatus* (Lane and Webster, 1966). Webster, 1981, p. 1198. Webster, 1988, p. 125.

*Aglaocrinus? rectilatus* Lane and Webster, 1966, p. 39, Pl. 7, figs. 3-4, 7. Webster, 1973, p. 196. Webster, 1981, p. 1198. Webster, 1988, p. 125.

*Parethelocrinus rectilatus* (Lane and Webster, 1966). Webster and Lane, 1967, p. 22, Pl. 5, fig. 6. Webster, 1973, p. 196.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Parulocrinus tapajos* (Strimple, 1960) = *Parulocrinus tapajosi*

*Parulocrinus tapajosi* (Strimple, 1960). Nom. Correctum

*Dicromyocrinus tapajois* Strimple, 1960c, p. 75, Figs. 1-3. Lane, N. G., 1964a, p. 364, Pl. 57, figs. 3-5. Webster, 1973, p. 109. Webster, 1981, p. 1198. Webster, 1988, p. 125.

*Parulocrinus tapajos* (Strimple, 1960). Webster, 1981, p. 1195. Webster, 1988, p. 125.

*Tarachiocrinus tapajosis* (Strimple, 1960). Strimple, 1962c, p. 136. Webster, 1973, p. 109.

Pennsylvanian, Desmoinesian, Tapajos Limestone. Brazil

*Parulocrinus verrucosus* (White and St. John, 1868) = *Aglaocrinus verrucosus*

*Parulocrinus vetulus* Lane, 1964 = *Paracromyocrinus vetulus*

*Parulocrinus wallacei* Termier and Termier, 1950 = *Mathericrinus wallacei*

*Parulocrinus* spp.

Termier, G. and Termier, H., 1950, p. 228, Pl. 222, figs. 4-5. Webster, 1973, p. 198. Pennsylvanian, early Westphalian. Algeria

White, E., 1964, Fig. 22. Webster, 1977, p. 127.

Pennsylvanian. United States, Nebraska

*Parulocrinus?* sp. Newell *et al.*, 1953, p. 164, Pl. 35, figs. 5-6. Webster, 1973, p. 198.

Middle Pennsylvanian, Tarma Group. Peru

*Parulocrinus?* sp. Kues and Koubek, 1991, p. 60, Fig. 2, nos. G-H.

Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Limestone. New Mexico

**PASSALOCRINUS** Peck, 1936. \**P. triangularis* Peck, 1936.

Immature blastoids

Peck, 1936, p. 292. Bassler and Moodey, 1943, p. 594. Webster, 1973, p. 198.

Strimple *in* Moore and Teichert, 1978, p. T759. Arendt, 1981, p. 100. Webster, 1986, p. 242. Webster, 1988, p. 125. Webster *et al.* 2011, p. 12.

**Note.** *Passalocrinus* was considered a crinoid by Moore and Teichert, 1978.

Therefore it is included herein for clarification. GDW.

Named, currently recognized species based on cups or crowns: 2 Mississippian species, 1 Tournaisian - Viséan, 1 Viséan  
Mississippian, Tournaisian - Viséan (Osagean). United States  
Mississippian, late Viséan. Russia

\**Passalocrinus triangularis* Peck, 1936, p. 292, Pl. 47, figs. 1-9. Bassler and Moodey, 1943, p. 594. Strimple and Koenig, 1956, p. 1246, Fig. 4, nos. 22-27. Webster, 1973, p. 198. Strimple *in* Moore and Teichert, 1978, p. T759, Fig. 505, no. 1. Webster, 1986, p. 242. Sevastopulo, 2005, p. 357, Fig. 4, no. C.  
Mississippian, Tournaisian - Viséan (Osagean), Fern Glen Limestone; Nunn Member  
of Lake Valley Limestone; St. Joe Formation, Welden Limestone. United States, Missouri, New Mexico, Oklahoma

*Passalocrinus? uralicus* Arendt, 1981, p. 100, Pl. 32, figs. 1-6. Webster, 1988, p. 125.  
Mississippian, late Viséan. Russia, Southern Ural Mountains

*Passalocrinus* spp.

Strimple, 1974a, p. 51, Figs. 3, nos. 1, 2; 4, nos. 1-2. Webster, 1986, p. 242.  
Mississippian, Serpukhovian (Meramecian), Pella Formation. United States, Iowa  
Kues, 1982, Unnum. Fig. p. 108, no. P (misspelled as *Passelocrinus*). Webster, 1988, p. 126.  
Mississippian. no locality data  
Sevastopulo, 2005, p. 357, Fig. 4, no. A.  
Silurian, Brownsport Formatio. United States, Tennessee  
Sevastopulo, 2005, p. 357, Fig. 4, no. B.  
Devonian, Four Mile Dam Formation, Dock Street Clay Member. United States, Michigan  
Sevastopulo, 2005, p. 357, Fig. 4, no. D.  
Pennsylvanian, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma  
Sevastopulo, 2005, p. 357, Fig. 4, no. E.  
Pennsylvanian, Hogshooter Limestone Formation. United States, Oklahoma  
Sevastopulo, 2005, p. 357, Fig. 4, no. F.  
Permian, late Sakmarian or early Artinskian, Callytharra Formation. Western Australia  
Sevastopulo, 2005, p. 357, Fig. 5, no. A.  
Mississippian, Serpuhovian (Chesterian), New Providence Shale Formation. United States, Tennessee  
Webster et al., 2011, p. 12, Fig. 3, nos. g-h.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

**PATAGONOACROCRINUS** Hlebszevitsch, 2004. \**Patagonoacrocrinus giganteus* Hlebszvitsch, 2004.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinoidea, F. Acrocrinidae  
Hlebszvitsch, 2004b, p. 385.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Westphalian species  
Pennsylvanian, Westphalian. Argentina

\**Patagonoacrocrius giganteus* Hlebszevitsch, 2004b, p. 386, Fig. 2, nos. D-E.  
Pennsylvanian, Westphalian, Las Salinas Formation. Argentina

Patelliocrinitoidea n. gen. A, n. sp. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, Rockhouse Member. United States,  
Tennessee

Patelliocrinitoidea n. gen. B, n. sp. Clement and Broadhead, 1994, p. 47.  
Devonian, Lochkovian, Ross Formation, Birdsong Member. United States,  
Tennessee

**PATELLIOCRINUS** Angelin, 1878. \**P. pachydactylus* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F.  
Patelliocrinidae

Angelin, 1878, p. 1. Wachsmuth and Springer, 1881, p. 100 (274). Zittel, 1895, p.  
127. Bather *in* Lankester, 1900, p. 162. Wachsmuth *in* Zittel, 1900, p. 147.  
Springer *in* Zittel, 1913, p. 191. Springer, 1926a, p. 31. Bassler, 1938, p. 147.  
Bassler and Moodey, 1943, p. 594. Moore and Laudon, 1943b, p. 98, Fig. 18.  
Moore and Laudon, 1944, p. 200. Webster, 1973, p. 199. Webster, 1977, p. 127.  
Ubaghs *in* Moore and Teichert, 1978, p. T505. Ausich, 1986e, p. 888. Webster,  
1986, p. 242. Webster, 1993, p. 86.

Named, currently recognized species based on cups or crowns: 13 Silurian species,  
1 Llandoveryan, 9 Wenlockian, 3 Niagaran  
Silurian, Wenlockian. Sweden  
Silurian, Llandoveryan - Niagaran. United States

*Patelliocrinus chiastodactylus* Angelin, 1878, p. 1, Pl. 19, fig. 12. Bassler and Moodey,  
1943, p. 594.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Patelliocrinus duplicatus* Angelin, 1878, p. 1, Pl. 19, fig. 5. Bassler and Moodey, 1943,  
p. 594.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Patelliocrinus fulminatus* Angelin, 1878, p. 1, Pl. 26, figs. 14-14b. Bassler and  
Moodey, 1943, p. 594.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Patelliocrinus? indianensis* (Miller and Gurley, 1895) = *Macrostylocrinus indianensis*

*Patelliocrinus interradiatus* Angelin, 1878, p. 2, Pl. 23, fig. 10. Bassler and Moodey,  
1943, p. 594.  
Silurian, Wenlockian. Sweden, Isle of Gotland

- Patelliocrinus laevis* Springer, 1926a, p. 32, Pl. 6, figs. 19-20. Bassler and Moodey, 1943, p. 594.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Patelliocrinus leptodactylus* Angelin, 1878, p. 2, Pl. 16, figs. 26, 31. Zittel, 1895, p. 127, Fig. 243. Wachsmuth *in* Zittel, 1900, p. 141, Fig. 242. Bassler and Moodey, 1943, p. 594.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Patelliocrinus ornatus* Springer, 1926a, p. 31, Pl. 6, figs. 13-15a. Bassler and Moodey, 1943, p. 594. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 10. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 16. Brower, 1973, p. 403, Fig. 28. Webster, 1973, p. 199. Webster, 1977, p. 127.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- \**Patelliocrinus pachydactylus* Angelin, 1878, p. 1, Pl. 16, figs. 24-25. Bather *in* Lankester, 1900, p. 162, Fig. 75, no. 3. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 594. Ubaghs *in* Moore and Teichert, 1978, p. T505, Fig. 308, no. 1. Webster, 1986, p. 242.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Patelliocrinus pinnulatus* Angelin, 1878, p. 2, Pls. 24, fig. 5; 26, fig. 18. Bassler and Moodey, 1943, p. 595.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Patelliocrinus planus* Ausich, 1986e, p. 888, Figs. 1; 2, nos. 1-3. Webster, 1993, p. 86.  
Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio
- Patelliocrinus plumulosus* Angelin, 1878, p. 2, Pl. 22, figs. 8-9. Bassler and Moodey, 1943, p. 595.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Patelliocrinus punctuosus* Angelin, 1878, p. 2, Pl. 23, fig. 26. Bassler and Moodey, 1943, p. 595.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Patelliocrinus rugosus* Springer, 1926a, p. 32, Pl. 6, figs. 16-18. Bassler and Moodey, 1943, p. 595. Moore and Laudon, 1944, p. 200, Pl. 73, fig. 22. Webster, 1973, p. 199.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Patelliocrinus?* sp. Springer, 1919, p. 81.  
Silurian, Brassfield Formation. United States, Ohio
- Pateriocrinus (Scaphiocrinus) decadactylus* Meek and Worthen, 1860 = *Scytalocrinus decadactylus*

**PATINOCRINUS** Jaekel, 1918. *Nomen nudum*.

Classification uncertain

Jaekel, 1918, p. 36. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 684.

Ubaghs *in* Moore and Teichert, 1978, p. T518, *Nomen nudum*. Webster, 1986, p. 242.

No age or locality data

*Pauliocrinus biturbinatus* (Springer, 1926) = *\*Paulocrinus biturbinatus*

**PAULOCRINUS** Springer, 1926. *\*P. biturbinatus* Springer, 1926.

Sbc. Camerata, O. Diplobathrida, F. uncertain

Springer, 1926a, p. 22. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 595.

Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 183. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 199. Ubaghs *in* Moore and Teichert, 1978, p. T432. Webster, 1986, p. 243. Ausich, 1988, p. 909, Fig. 1, no. 9. Webster, 1993, p. 86.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran species

Silurian, Niagaran: United States, Indiana

*\*Paulocrinus biturbinatus* Springer, 1926a, p. 22, Pl. 4, figs. 5-5c. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 595. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 20. Ubaghs *in* Moore and Teichert, 1978, p. T103, T432, Figs. 76, no. 3; 242, no. 1. Webster, 1986, p. 243.

*Pauliocrinus biturbinatus* (Springer, 1926). Ubaghs, 1950, p. 120, Fig. 8 (sic). Silurian, Niagaran, Laurel Limestone. United States, Indiana

**PEDINOCRINUS** Wright, 1951. *\*Pachylocrinus clavatus* Wright, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Stellarocrinidae

Wright, J., 1951b, p. 77. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 199.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671. Webster, 1986, p. 243. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 86.

Named, currently recognized species based on cups or crowns: 2 species, 1 Mississippian, Viséan; 1 Permian, latest Artinskian or earliest Roadian

Mississippian, Viséan. United Kingdom, Scotland

?Permian, latest Artinskian or earliest Roadian. Australia, Queensland

*\*Pedinocrinus clavatus* (Wright, 1937). Wright, J., 1961b, p. 77, Pl. 30, figs. 4, 6. Webster, 1973, p. 199. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671, Fig. 441, no. 1. Webster, 1986, p. 243.

*Pachylocrinus clavatus* Wright, J., 1937a, p. 405, Pl. 15, fig. 16. Wright, J., 1939, p. 21, Pl. 8, fig. 13. Bassler and Moodey, 1943, p. 579. Wright, J., 1951b, p. 77. Webster, 1973, p. 199.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Pedinocrinus? nodosus* Webster and Jell, 1999b, p. 305, Fig. 12, no. C.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia,  
Queensland

**PEGMACRINUS** de Loriol, 1895.

De Loriol, 1895, p. 2. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 595  
(probably not an echinoderm).

*Pegmacrinus eupulatus* de Loriol, 1895, p. 2, Pl. 1 (*nomen nudum*).

Age uncertain. France

*Pegmacrinus gracilis* de Loriol, 1895, p. 2, Pl. 1 (*nomen nudum*).

Age uncertain. France

*Pegmacrinus inflatus* de Loriol, 1895, p. 2, Pl. 1 (*nomen nudum*).

Age uncertain. France

*Pegmacrinus radiatus* de Loriol, 1895, p. 2, Pl. 1 (*nomen nudum*).

Age uncertain. France

**PEGOCRINUS** Kirk, 1940. \**Poteriocrinus bijugis* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Kirk, 1940c p. 331. Bassler and Moodey, 1943, p. 595. Moore and Laudon, 1943b,  
p. 59. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6.

Webster, 1973, p. 199. Webster, 1977, p. 127. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T645. Webster, 1986, p. 243.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Moscovian species

Pennsylvanian, Moscovian. Russia

\**Pegocrinus bijugis* (Trautschold, 1867). Kirk, 1940c, p. 331. Bassler and Moodey,  
1943, p. 595. Moore and Strimple *in* Moore and Teichert, 1978, p. T645, Fig.  
422, no. 1. Webster, 1986, p. 243.

*Poteriocrinus bijugis* Trautschold, 1867, p. 14, Pl. 4, figs. 1-3. Trautschold, 1879, p.  
114, Pl. 14, fig. 3. Jaekel, 1918, p. 64, Figs. 54, no. a. Yakovlev, 1930, p. 377,  
Fig. 1. Bassler and Moodey, 1943, p. 595. Yakovlev and Ivanov, 1956, p. 11.  
Webster, 1973, p. 178.

*Moscovicrinus bijugus* (Trautschold, 1867). Yakovlev and Ivanov, 1956, p. 11, Pl.  
3, fig. 1; Fig. 1. Ivanova, 1958, p. 132, frontise. Webster, 1973, p. 178.

Pennsylvanian, Moscovian. Russia, Mjatschkowa

Pelecocrinidae genus and species, indeterminate Lane, *et al.*, 1996, p. 125, Figs.  
5.13-5.14, 6.1.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar  
Autonomous Region

**PELECOCRINUS** Kirk, 1941. \**P. insignis* Kirk, 1941.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F.

## Pelecocrinidae

Kirk, 1941b, p. 82. Laudon, 1941, p. 384. Bassler and Moodey, 1943, p. 595. Moore and Laudon, 1943b, p. 55, Fig. 6. Moore and Laudon, 1944, p. 157. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T660. Webster, 1986, p. 243.

Lane and Sevastopulo, 1993, p. 336. Webster, 1993, p. 86.

Named, currently recognized species based on cups or crowns: 11 species. 10 Mississippian, 3 Tournaisian, 7 Viséan, 1 Serpukhovian; 1 Mississippian, Viséan, Pennsylvanian, Desmoinesian  
Pennsylvanian, Desmoinesian  
Mississippian, Tournaisian – Serpukhovian (Kinderhookian - Osagean; Chesterian).  
North America

*Pelecocrinus aqualis* (Hall, 1859). Kirk, 1941b, p. 83. Bassler and Moodey, 1943, p. 595. Moore and Laudon, 1944, p. 157, Pl. 55, fig. 19. Webster, 1973, p. 199.

*Poteriocrinus aqualis* Hall, 1859a, p. 63, Unnum. Fig. Weller, S., 1898c, p. 540. Bassler and Moodey, 1943, p. 595.

*Pachylocrinus aqualis* (Hall, 1859). Springer, 1926b, p. 71, Pl. 16, fig. 10. Bassler and Moodey, 1943, p. 595.

*Scaphiocrinus aequalis* Weller, S., 1898c, p. 540.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Pelecocrinus banffensis* Laudon, Parks, and Spreng, 1952, p. 547, Pls. 65, figs. 13-15; 69, fig. 1. Webster, 1973, p. 199.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Pelecocrinus* sp. cf. *P. banffensis* Laudon, Parks, and Spreng, 1952. McGugan and Strimple, 1980, p. 1598, Fig. 2. Webster, 1986, p. 243.

Mississippian, Viséan (Osagean), Banff Formation. Canada, Alberta

*Pelecocrinus fiscellus* (Meek and Worthen, 1870). Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 595.

*Poteriocrinites* (*Graphiocrinus*; *Scaphiocrinus*) *fiscellus* Meek and Worthen, 1870a, p. 146. Bassler and Moodey, 1943, p. 595.

*Poteriocrinites* (*Scaphiocrinus*) *fiscellus* Meek and Worthen, 1873, p. 424, Pl. 1, fig. 5. Bassler and Moodey, 1943, p. 595.

*Poteriocrinus* (*Decadocrinus*) *fiscellus* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 119 (342). Bassler and Moodey, 1943, p. 595.

*Decadocrinus fiscellus* (Meek and Worthen, 1870). Weller, S., 1898c, p. 213.

*Scaphiocrinus fiscellus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 213.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

\**Pelecocrinus insignis* Kirk, 1941b, p. 83, Pl. 18, figs. 1-3, 5. Bassler and Moodey, 1943, p. 596. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 3. Moore and Laudon, 1944, p. 157, Pl. 58, fig. 10. Webster, 1973, p. 199. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T660, Fig. 432, no. 4. Webster, 1986, p. 243.



Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds. United States, Iowa

*Pelecocrinus lepidus* (Hall, 1861). Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 596.

*Poteriocrinus lepidus* Hall, 1861a, p. 304. Hall, 1861b, p. 6. Hall, 1861c, p. 304. Shumard, 1868, p. 391. Wachsmuth and Springer, 1880 (1879), p. 120. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 596. Mississippian, Viséan (Osagean), Burlington Limestone, Keokuk Limestone. United States, Iowa

*Pelecocrinus magnus* (Wright, 1937) Kammer and Ausich, 2007c, p. 146, unfig.

*Poteriocrinus magnus* Wright, J., 1937, p. 405, Pl. 15, fig. 1. Wright, J., 1939, p. 18, Pl. 9, fig. 10. Bassler and Moodey, 1943, p. 642. Wright, J., 1950, p. 9. Webster, 1973, p. 222.

*Poteriocrinites? magnus* (Wright, 1937). Wright, J., 1950, p. 9, Pl. 3, fig. 4. Webster, 1973, p. 222. Kammer and Ausich, 2007c, p. 147, unfig.

*Poteriocrinites magnus* (Wright, 1937). Strimple, 1939b, p. 40, Pl. 1, figs. 10-12. Bassler and Moodey, 1943, p. 642.

Mississippian, Viséan, Brigantian, Lower Limestone Group. United Kingdom, Scotland

?Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

*Pelecocrinus parviglyptus* (Laudon and Beane, 1937). Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 596.

*Abrotocrinus parviglyptus* Laudon and Beane, 1937, p. 257, Pls. 17, figs. 14-15; 18, fig. 5. Bassler and Moodey, 1943, p. 596.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Pelecocrinus primordialis* Laudon, Parks, and Spreng, 1952, p. 548, Pls. 65, fig. 17; 69, fig. 2. Webster, 1973, p. 199.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Pelecocrinus solidus* (Meek and Worthen, 1861). Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 596.

*Poteriocrinus (Scaphiocrinus) solidus* Meek and Worthen, 1861, p. 140. Shumard, 1868, p. 393. Weller, S., 1898c, p. 540. Bassler and Moodey, 1943, p. 596.

*Poteriocrinus solidus* Meek and Worthen, 1861. Miller, S. A., 1889, p. 275.

*Poteriocrinus (Scaphiocrinus) aequalis* Wachsmuth and Springer, 1880 (1879), part, p. 112 (335). Bassler and Moodey, 1943, p. 596.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Pelecocrinus stereosoma* Laudon, 1941, p. 385, Pl. 56, figs. 1-2. Easton, 1942, p. 84, Pl. 4, fig. 3. Bassler and Moodey, 1943, p. 596.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma, Arkansas

*Pelecocrinus tenuidactylus* (Meek and Worthen, 1865). Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 596.

*Poteriocrinus (Scaphiocrinus) tenuidactylus* Meek and Worthen, 1865c, p. 156. Meek and Worthen, 1868c, p. 490, Pl. 18, fig. 10; Unnum. Fig. Weller, S., 1898c, p. 540. Bassler and Moodey, 1943, p. 596.

*Poteriocrinus (Scaphiocrinus) aequalis* Wachsmuth and Springer 1880 (1879), part, p. 112 (335). Bassler and Moodey, 1943, p. 596.

*Scaphiocrinus tenuidactylus* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 280. Fig. 426.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Pelecocrinus* n. sp. undesignated Webster, 1997, p. 33, Pl. 6, fig. 6.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Pelecocrinus* spp.

Laudon, Parks, and Spreng, 1952, p. 550, Pl. 65, figs. 11-12. Webster, 1973, p. 199.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
Laudon and Severson, 1953, p. 515, Pls. 51, fig. 15; 55, fig. 6. Webster, 1973, p. 199.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States,  
Montana

Howell, 1995, p. 100, Pl. 5, fig. 10.

No age or locality given

**PELIDOCRINUS** Frest and Strimple, 1981. \**Elpidocrinus exiguus* Strimple, 1963.

Sbc.Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Elpidocrinidae  
Frest and Strimple, 1981, p. 651. Webster, 1988, p. 126.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, Ludlovian. United States, Oklahoma

\**Pelidocrinus exiguus* (Strimple, 1963). Frest and Strimple, 1981, p. 652, Pls. 1, figs. 7-8; 2, figs. 1-3, 5; Fig. 3, no. C. Webster, 1988, p. 126.

*Elpidocrinus exiguus* Strimple, 1963d, p. 79, Pl. 4, figs. 1-3; Fig. 21, no. a.  
Webster, 1973, p. 121. Frest and Strimple, 1981, p. 652. Webster, 1988, p. 126.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Pelidocrinus* sp. Frest and Strimple, 1981, p. 652, Pl. 2, figs. 4, 9. Webster, 1988, p. 126.

*Elpidocrinus tuberosus* Strimple, 1963 (pars). Frest and Strimple, 1981, p. 652.  
Webster, 1988, p. 126.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

**PELLECRINUS** Kirk, 1929. \**Cyathocrinites hexadactylus* Lyon and Casseday, 1860.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Barycrinidae

Kirk, 1929a, p. 15. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 596.

Moore

and Laudon, 1943b, p. 51. Ubaghs, 1953, p. 750. Webster, 1973, p. 199.

Webster, 1977, p. 127. Lane and Moore *in* Moore and Teichert, 1978, p. T582.

Webster, 1986, p. 243. Ausich, 1988, p. 913, Fig. 2, no. 11. Lane and

Sevastopulo, 1990, p. 335. Webster, 1993, p. 86. Kammer and Ausich, 1996, p.

862. Kammer and Gahn, 2003a, p. 131.

**VASOCRINUS** Wachsmuth and Springer (*non* Lyon), 1880 (1879), p. 62, 94 (285,

317). Bather *in* Lankester, 1900, p. 179. Springer *in* Zittel, 1913, p. 219.

Bassler and Moodey, 1943, p. 596.

Named, currently recognized species based on cups or crowns: 3 Mississippian,

Viséan species

Mississippian, Viséan (Osagean). United States

\**Pellecrinus hexadactylus* (Lyon and Casseday, 1860). Kirk, 1929a, p. 15. Bassler and Moodey, 1943, p. 596. Van Sant *in* Van Sant and Lane, 1964, p. 78, Pls. 1, fig. 15; 2, figs. 6, 10-11; Fig. 21, no. 3. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 200. Webster, 1977, p. 127. Ubaghs *in* Moore and Teichert, 1978, p. T168, Fig. 139, no. 6. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 374, no. 3. Webster, 1986, p. 244. Kammer and Ausich, 1996, p. 862, Figs. 6.20-6.21.

*Cyathocrinus hexadactylus* Lyon and Casseday, 1860b, p. 74. Shumard, 1868, p.

362. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 639. Bassler, 1938, p.

147. Bassler and Moodey, 1943, p. 596. Kammer and Ausich, 1996, p. 862,

Figs. 6.20-6.21.

*Vasocrinus hexadactylus* (Lyon and Casseday, 1860). Weller, S., 1898c, p. 639.

Kammer and Ausich, 1996, p. 862, Figs. 6.20-6.21.

*Cyathocrinus lyoni* Hall, 1861a, p. 298. Hall, 1861b, p. 5; 1861c, p. 298. Shumard,

1868, p. 363. Hall, 1872c, Pl. 5, figs. 12-13. Miller, S. A., 1889, p. 236. Weller,

S.,

1898c, p. 639. Bassler and Moodey, 1943, p. 596. Kammer and Ausich, 1996, p.

862, Figs. 6.20-6.21.

*Vasocrinus lyoni* (Hall, 1861). Miller, S. A., 1889, p. 287.

*Barycrinus lyoni* (Lyon and Casseday, 1860). Meek and Worthen, 1868, p. 340.

Kammer and Ausich, 1996, p. 862.

*Barycrinus* sp. Kammer, 1984, p. 126, Fig. 3, no. Y. Webster, 1988, p. 43. Kammer

and Ausich, 1996, p. 862.

Mississippian, Viséan (Osagean), Edwardsville Formation; Keokuk Limestone; New Providence Shale; Fort Payne Formation; upper part of Warsaw Formation.

United States, Indiana, Iowa, Kentucky, Missouri

*Pellecrinus intermedius* (Hall, 1858). Kammer and Ausich, 1996, p.862, Figs. 6.11-6.13.

*Cyathocrinus intermedius* Hall, 1858c, p. 627, Pl. 18, fig. 10. Shumard, 1868, p.

362. Miller, S. A., 1889, p. 236. Weller, S., 1898, p. 410. Bassler and Moodey,

1943, p. 592. Kammer and Ausich, 1996, p. 862.

*Poteriocrinus (Parisocrinus) intermedius* (Hall, 1858). Wachsmuth and Springer, 1879, p. 338. Wachsmuth and Springer, 1880, p. 115.

*Parisocrinus intermedius* (Hall, 1858). Wachsmuth and Springer, 1886, p. 221 (145). Weller, S., 1898, p. 410. Bassler and Moodey, 1943, p. 592. Kammer and Ausich, 1996, p. 862.

Mississippian, Viséan (Osagean), Keokuk Limestone, Montrose Chert Member; Edwardsville Formation. United States, Iowa, Indiana

*Pellacrinus obuncus* (White, 1862). Lee, Ausich, and Kammer, 2005, p. 348, Figs. 2.3-2.5.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United States, Kentucky

*Pellecrinus* spp.

Laudon, Parks and Spreng, 1952, p. 546, Pl. 65, figs. 1-2. Webster, 1973, p. 200.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
Kammer and Gahn, 2003a, p. 131, Figs. 4.1-4.7.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

Pelmatozoan brachials Unrug et al., 2000, p. 987, Fig. 6, nos. 5-6.

Silurian or younger, Walden Creek Group. United States, Tennessee

Pelmatozoan debris Precht and Shepard, 1989, p. 685, Fig. 6. Webster, 1993, p. 86.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

Pelmatozoans Sheehan, 1996, p. 27, Fig. 5, no. 18 (diagramatic).

Early Silurian

**PELTACRINUS** Warn, 1982. \**Peltacrinus sculptatus* Warn, 1982.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae

Warn, 1982, p. 87. Webster, 1988, p. 126. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian (early Champlainian). United States, Oklahoma

\**Peltacrinus sculptatus* Warn, 1982, p. 87, Pl. 5, figs. 1-16: Figs. 26-29. Webster, 1988, p. 126.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

**PENDULOCRINUS** Salter, 1859 = **CALCEOOCRINUS** = **SYNCHIROCRINUS**

**PENECILLICRINUS** Clement, 1988 = **PENICILLICRINUS**

**PENICILLICRINUS** Warn, 1982. \**P. parvus* Warn, 1982.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Warn, 1982, p. 81. Webster, 1988, p. 126. Ausich, 1998b, p. 36.

*PENECILLICRINUS* Clement, 1988, p. 113.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species

Ordovician, Sandbian (early Champlainian). United States, Oklahoma

\**Penicillicrinus parvus* Warn, 1982, p. 81, Pl. 5, figs. 17-20; Fig. 21. Webster, 1988, p. 126.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

***PENICULOCRINUS*** Moore, 1962. \**Heterocrinus? milleri* Wetherby, 1880.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Moore, 1962b, p. 33. Philip, 1965a, p. 149, Fig. 1, no. a. Webster, 1973, p. 200.

Moore and Lane *in* Moore and Teichert, 1978, p. T553. Kelly, 1982, p. 289, Fig. 9, nos. 3, 9. Donovan, 1984b, p. 624, Fig. 1, no. D. Webster, 1986, p. 244. Sevastopulo and Lane, 1988, p. 252. Webster, 1988, p. 126. Webster, 1993, p. 86. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Trentonian). United States

\**Peniculocrinus milleri* (Wetherby, 1880). Moore, 1962b, p. 34, Pl. 1, fig. 7; Fig. 2, no. 3. Webster, 1973, p. 200. Ubaghs *in* Moore and Teichert, 1978, p. T114, Fig. 88, no. 1. Moore and Lane *in* Moore and Teichert, 1978, p. T554, Fig. 347, no. 2. Webster, 1986, p. 244.

*Heterocrinus milleri* Wetherby, 1880b, p. 153, Pl. 5, fig. 3. Miller, S. A., 1889, p. 252. Bassler, 1915, p. 612.

*Heterocrinus? milleri* Wetherby, 1880. Moore, 1962b, p. 34. Webster, 1973, p. 200.

*Eustenocrinus milleri* (Wetherby, 1880). Ulrich *in* Foerste, 1925, p. 100, Fig. 3. Bassler and Moodey, 1943, p. 474.

*Stenocrinus milleri* (Wetherby, 1880). Wachsmuth and Springer, 1886, p. 132 (p. 208). Bassler, 1915, p. 612.

Ordovician, Katian (Trentonian), Tyrone Limestone; Curdsville Limestone. United States, Kentucky

*Pentacrinite* Christy, 1848 = *Plicodendrocrinus casei*

*Pentacrinite* Parkinsoni, 1908 = *Ichthyocrinus pyriformis*

*Pentacrinites excavatus* Schlotheim, 1820 = *Scyphocrinites elegans*

?*Pentacrinites excavatus* Schlotheim, 1822-1823 = *Parisocrinus quinquangularis*

*Pentacrinites hamptoni* Emmons, 1842, p. 402, Fig. 3. Vanuxem, 1842, p. 64, Fig. 3. Owen, 1844, p. 376, Fig. 3. Bassler, 1915, p. 949 (not recognized, merely a crinoid plate).

Silurian. United States, New York

*Pentacrinus* sp. Cumberland, 1821, p. 91, Pl. 4, figs. 4-5.  
Devonian or Mississippian?. United Kingdom

**PENTADELOCRINUS** Strimple, 1939 = **AESIOCRINUS**

*Pentadelocrinus twinensis* Strimple, 1939 = *Aesiocrinus twinensis*

*Pentadelocrinus typus* Strimple, 1939 = *Aesiocrinus typus*

**PENTADIA** Dana, 1847. \**P. spatangus* Dana, 1847.

Dana, 1847, p. 152. Dana, 1849, p. 712. Etheridge, 1892, p. 98. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 596 (considered = *Phialocrinus*). Branson, C. C., 1948, p. 206.

**Note.** *Pentadia* is based on fragmentary specimens and probably in part synonymous with *Tribrachyocrinus* M'Coy, 1847. The genus should probably be suppressed.

Named, currently recognized species based on cups or crowns: 2 Permian species, series undesignated

Permian. Australia, New South Wales

*Pentadia corona* Dana, 1847 (part) = *Tribrachyocrinus corona*

*Pentadia corona* Dana, 1847 (part) = *Aesiocrinus? konincki* = *Meganotocrinus konincki*

*Pentadia reniformis* Dana, 1847, p. 152. Bassler and Moodey, 1943, p. 596. Branson, C. C., 1948, p. 206 (not recognizable).

Permian, series not designated. Australia, New South Wales

*Pentadia spatangus* Dana, 1847 = *Aesiocrinus? konincki* = *Meganotocrinus konincki*

*Pentadia trigona* Dana, 1847, p. 152. Bassler and Moodey, 1943, p. 596. Branson, C. C., 1948, p. 206 (not recognizable).

Permian, series not designated. Australia, New South Wales

∅*Pentagonocyclicus kegelensis* Yeltyschewa, 1966 = \**Virucrinus kegelensis*

Pentameric crinoid Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. O.

**PENTAMEROCRINUS** Jaekel, 1918. \**P. praematurus* Jaekel, 1918.

Sbc. Cladida, Inf. Flexibilia, F. indeterminate

Jaekel, 1918, p. 79. Bassler, 1938, p. 148. Bassler and Moodey, 1943, p. 597.

Moore and Jeffords *in* Moore and Teichert, 1978, p. T928 (unrecognizable form).

Named, currently recognized species based on cups or crowns: 1 Early? Ordovician species, series uncertain

Early? Ordovician. Russia

\**Pentamerocrinus praematurus* Jaekel, 1918, p. 79, Fig. 75. Bassler, 1938, p. 148.  
Bassler and Moodey, 1943, p. 597 (undetermined Flexibilia).

Early? Ordovician. Russia, St. Petersburg

**PENTANOBASIS** Moore, 1939. *Nomen vetitum* \**P. regularis* Moore, 1939.

Moore, 1939b, p. 201. Jeffords *in* Moore and Teichert, 1978, p. T937. (basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Oklahoma

\**Pentanobasis regularis* Moore, 1939b, Pl. 1, figs. 10a-10b.

Pennsylvanian, Missourian, Stanton Limestone. United States, Oklahoma

**PENTANOBATHRUM** Moore, 1939. *Nomen vetitum* \**Hydriocrinus? rosei* Moore and

Plummer, 1939.

Moore, 1939b, p. 207. Jeffords *in* Moore and Teichert, 1978, p. T937. (basal or infrabasal circlets)

Pennsylvanian, Morrowan. United States, Oklahoma

\**Pentanobathrum rosei* (Moore and Plummer, 1939) = *Phaceolocrinus rosei*

**PENTARAMICRINUS** Sutton and Winkler, 1940. \**Cromyocrinus gracilis* Wetherby, 1880.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Phanocrinidae

Sutton and Winkler, 1940, p. 558. Bassler and Moodey, 1943, p. 606. Moore and Laudon, 1943b, p. 60. Moore and Laudon, 1944, p. 171. Arendt and Hecker, 1964, p. 90. Burdick and Strimple, 1969, p. 9. Knapp, 1969, p. 351. Strimple and Watkins, 1969, p. 216. Burdick and Strimple, 1971a, p. 28. Webster, 1973, p. 200. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 127. Moore and Strimple *in* Moore and Teichert, 1978, p. T693. Burdick and Strimple, 1983a, p. 65. Webster, 1986, p. 244. Chestnut and Etensohn, 1988, p. 49, Fig. 10. Webster, 1988, p. 126. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 86.

Named, currently recognized species based on cups or crowns: 10 Mississippian species, 1 Viséan, 1 Viséan, 9 Serpukhovian

Mississippian, Viséan - Serpukhovian (Chesterian). United States

*Pentaramicrinus altacalyx* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 127.

*Ageneracrinus altacalyx* Sutton and Winkler, 1940. Burdick and Strimple, 1969, p. 4. Webster, 1977, p. 128.

Mississippian, Serpukhovian (Chesterian). United States, Illinois

- Pentaramicrinus altonensis* (Miller and Gurley, 1895). Strimple and Moore, 1963a, p. 5, Fig. 5. Webster, 1977, p. 128.
- Poteroicrinus altonensis* Miller and Gurley, 1895b, p. 62, Pl. 4, figs. 3-4. Miller, S. A., 1897, p. 751, Fig. 1384. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 638. Strimple and Moore, 1973a, p. 5. Webster, 1977, p. 128. Mississippian, Viséan (Chesterian), Paint Creek Formation. United States, Illinois
- Pentaramicrinus* sp. cf. *P. altonensis* (Miller and Gurley, 1895). Burdick and Strimple, 1971a, p. 29, Pl. 7, figs. 7, 20, 23. Webster, 1977, p. 128.
- Poteroicrinites altonensis* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 638. Burdick and Strimple, 1971a, p. 29. Webster, 1977, p. 128.
- Phanocrinus fragosus* Sutton and Winkler, 1940, p. 557, Pl. 67, figs. 5-6. Bassler and Moodey, 1943, p. 607. Burdick and Strimple, 1969, p. 4. Priest, 1970, p. 15, Fig. 3. Burdick and Strimple, 1971a, p. 29. Webster, 1977, p. 128.
- Pentaramicrinus fragosus* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Burdick and Strimple, 1971a, p. 29. Webster, 1977, p. 128.
- ?*Pentaramicrinus fragosus* (Sutton and Winkler, 1940). Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 3. Webster, 1977, p. 128. Mississippian, Viséan - Serpukhovian (Chesterian), Beech Creek Limestone, Renault Limestone, Ste. Genevieve Limestone. United States, Illinois
- Pentaramicrinus bangorensis* Burdick and Strimple, 1983a, p. 68, Pl. 6, figs. 2-3, 6, 8-10. Webster, 1988, p. 126. Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pentaramicrinus basalis* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 128.
- Ageneracrinus basalis* Sutton and Winkler, 1940. Burdick and Strimple, 1969, p. 4. Webster, 1977, p. 128. Mississippian, Serpukhovian (Chesterian)n. United States, Illinois
- Pentaramicrinus bimagnaramus* Burdick and Strimple, 1971a, p. 29, Pl. 4, figs. 2, 6, 18. Webster, 1977, p. 128. Ubaghs in Moore and Teichert, 1978, p. T136, Fig. 108, no. 2. Webster, 1986, p. 244. Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois
- ?*Pentaramicrinus* sp. aff. *P. bimagnaramus* Burdick and Strimple, 1971a, p. 31, Pl. 4, figs. 1, 7-10, 12-13, 15, 17. Webster, 1977, p. 128. Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois
- Pentaramicrinus?* cf. sp. *bimagnaramus* Burdick and Strimple, 1971. Ubaghs in Moore and Teichert, 1978, p. T165, Fig. 137, no. 1. Webster, 1986, p. 244. Mississippian. United States, Illinois



*Pentaramicrinus compactus* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 128. Chestnut and Winkler, 1988, p. 48. Webster, 1993, p. 90.

*Phanocrinus compactus* Sutton and Winkler, 1940, p. 555, Pl. 67, figs. 7-8.

Bassler and Moodey, 1943, p. 607. Horowitz, 1965, p. 32, Pl. 3, figs. 7-9.

Burdick and Strimple, 1969, p. 4. Webster, 1973, p. 205. Burdick and Strimple, 1977, p. 128. Chestnut and Ettensohn, 1988, p. 48. Webster, 1993, p. 90.

Mississippian, Serpukhovian (Chesterian). United States, Alabama

*Pentaramicrinus fragosus* (Sutton and Winkler, 1940), Burdick and Strimple, 1969 =  
*Pentaramicrinus* sp. cf. *P. altonensis*

?*Pentaramicrinus fragosus* (Sutton and Winkler, 1940), Burdick and Strimple, 1969 =  
*Pentaramicrinus* sp. cf. *P. altonensis*

\**Pentaramicrinus gracilis* (Wetherby, 1880). Moore and Laudon, 1944, p. 171, Pl. 64, fig. 30. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 200; **1977**, p. 129. Moore and Strimple in Moore and Teichert, 1978, p. T693, Fig. 456, no. 1. Burdick and Strimple, 1983a, p. 66. Webster, 1986, p. 244. Chestnut and Ettensohn, 1988, p. 50, Pl. 5, figs. 12-13; Fig. 24. Webster, 1988, p. 126. Webster, 1993, p. 87.

*Cromyocrinus gracilis* Wetherby, 1880a, p. 248, Pl. 16, figs. 2a-2e. Miller, S. A., 1889, p. 234. Weller, S., 1898c, p. 264. Bassler and Moodey, 1943, p. 608.

*Eupachycrinus gracilis* (Wetherby, 1880). Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 264.

*Phanocrinus gracilis* (Wetherby, 1880). Kirk, 1937c, p. 604, Pl. 84, fig. 1. Bassler and Moodey, 1943, p. 608.

*Pentaramicrinus magnaradianalis* Sutton and Winkler, 1940, p. 559, Pl. 68, figs. 24-25. Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 129.

*Phanocrinus magnaradianalis* (Sutton and Winkler, 1940). Bassler and Moodey, 1943, p. 608.

*Zeacrinus pulaskiensis* Miller and Gurley, 1895a, p. 47, Pl. 4, figs. 12-13. Miller, S. A., 1897, p. 755, Fig. 1405. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 608.

*Pentaramicrinus pulaskiensis* (Miller and Gurley, 1895). Sutton and Winkler, 1940, p. 559, Pl. 66, figs. 1-2. Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 129. Burdick and Strimple, 1983a, p. 66. Webster, 1988, p. 126.

Mississippian, Serpukhovian (middle and late Chesterian), Glen Dean Limestone, Golconda Limestone; Pennington Formation. United States, Illinois, Kentucky

*Pentaramicrinus inflatoramus* (Sutton and Winkler, 1940) = *Phanocrinus manifoldis*

*Pentaramicrinus magnaradianalis* Sutton and Winkler, 1940 = *Phanocrinus magnaradianalis* = *Pentaramicrinus gracilis*

- Pentaramicrinus modulus* (Strimple, 1951). Burdick and Strimple, 1969, p. 9.  
Webster, 1977, p. 129.  
*Phanocrinus modulus* Strimple, 1951e, p. 263, Figs. 10-12. Burdick and Strimple, 1969, p. 5. Webster, 1973, p. 205. Webster, 1977, p. 129.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone, Pitkin Limestone. United States, Illinois, Oklahoma
- Pentaramicrinus nitidus* (Miller and Gurley, 1893). Burdick and Strimple, 1969, p. 9.  
Webster, 1977, p. 129.  
*Zeacrinus nitidus* Miller and Gurley, 1893, p. 36, Pl. 8, figs. 3-4. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 608.  
*Phanocrinus nitidus* (Miller and Gurley, 1893). Sutton and Hagan, 1939, p. 83.  
Sutton and Winkler, 1940, p. 555, Pl. 67, figs. 12-13. Bassler and Moodey, 1943, p. 608. Moore and Laudon, 1944, p. 171, Pl. 64, fig. 35. Burdick and Strimple, 1969, p. 4. Webster, 1973, p. 205. Webster, 1977, p. 129.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Illinois
- Pentaramicrinus petalloformis* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 129.  
*Phanocrinus petalloformis* Sutton and Winkler, 1940, p. 557, Pl. 68, figs. 5-6.  
Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 4. Webster, 1973, p. 205.  
Mississippian, Serpukhovian (Chesterian), Paint Creek Shale. United States, Illinois
- Pentaramicrinus pulaskiensis* (Miller and Gurley, 1895) = *Pentaramicrinus gracilis*
- Pentaramicrinus* spp. Burdick and Strimple, 1983a, p. 65, Pls. 16, figs. 3, 8; 21, figs. 3, 6; 23, figs. 5, 8. Webster, 1988, p. 127.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone; Glen Dean Limestone. United States, Alabama, Kentucky
- PENTAXOCRINUS** Webster and Lane, 2007. \**Allosocrinus quinarius* Lane and Webster, 1966.  
Sbc. Cladida, Family uncertain  
Webster and Lane, 2007, p. 96, Fig. 7.  
Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian  
Permian, Artinskian. United States, Nevada
- \**Pentaxocrinus quinarius* (Lane and Webster, 1966). Webster and Lane, 2007, p. 962, Fig. 4, no. 7.  
*Allosocrinus quinarius* Lane and Webster, 1966, p. 56, Pl. 13, fig. 3. Webster, 1973, p. 48. Pabian and Rushlau, 2002, p. 31. Webster and Lane, 2007, p. 962.  
Permian, Artinskian, upper part of Bird Spring Formation. United States, Nevada
- PENTECATOBASIS** Moore, 1939. *Nomen vetitum* \**P. excavata* Moore, 1939.

Moore, 1939b, p. 212. Jeffords *in* Moore and Teichert, 1978, p. T937. (Basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 1 Permian, Wolfcampian

Permian, Wolfcampian. United States, Kansas

\**Pentecatobasis excavata* Moore, 1939b, p. 212, Pl. 1, fig. 12. Branson, C. C., 1948, p. 206.

Permian, Wolfcampian, Wreford Limestone, Havensville Shale Member. United States, Kansas

**PENTECECRINUS** Koenig and Niewoehner, 1959. \**P. parvus* Koenig and Niewoehner, 1959.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Koenig and Niewoehner, 1959, p. 464. Lane, N. G., 1967b, p. 13, Fig. 2. Arendt, 1970a, p. 197. Webster, 1973, p. 200. Webster, 1977, p. 129. Lane and Moore  
*in*

Moore and Teichert, 1978, p. T605. Webster, 1986, p. 244.  
Named, currently recognized species based on cups or crowns: 1 Devonian – Mississippian, Famennian – Tournaisian species  
Devonian - Mississippian transition. United States

\**Pentececrinus parvus* Koenig and Niewoehner, 1959, p. 467, Figs. 1, 3. Arendt, 1970a, p. 197, Fig. 66. Webster, 1973, p. 200. Webster, 1977, p. 130. Lane and Moore *in* Moore and Teichert, 1978, p. T605, Figs. 388, no. 5; 391, no. 1. Webster, 1986, p. 244.

Devonian - Mississippian transition, Famennian – Tournaisian, Louisiana Formation. United States, Missouri

**PENTEXOBASIS** Moore, 1939. *Nomen vetitum* \**P. glypta* Moore, 1939.

Moore, 1939b, p. 208. Jeffords *in* Moore and Teichert, 1978, p. T937. (Basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian species, 1 Desmoinesian, 1 Missourian

Pennsylvanian, Desmoinesian - Missourian. United States, Kansas

\**Pentexobasis glypta* Moore, 1939b, p. 208, Pl 1, figs 9a-9c.

Pennsylvanian, Desmoinesian, cap rock of Mineral Coal. United States, Kansas

*Pentexobasis plana* Moore, 1939b, p. 209, Pl. 4, figs. 1a-1c.

Pennsylvanian, Missourian, Checkerboard? Limestone. United States, Kansas

**PENTEXOBATHRUM** Moore, 1939. *Nomen vetitum* \**Aesiocrinus magnificus* Miller and Gurley, 1890.

Moore, 1939b, p. 212. Jeffords *in* Moore and Teichert, 1978, p. T937. (Basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Missouri

\**Pentexobathrum magnificum* (Miller and Gurley, 1890). Moore, 1939b, p. 212.  
Pennsylvanian, Missourian, Kansas City Group, Lane Shale. United States,  
Missouri

**PEPITAXOCRINUS** Prokop and Petr, 1989. \**Protaxocrinus svobodai* Bouska, 1956.  
Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Prokop and Petr, 1989b, p. 54. Webster, 1993, p. 87.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian  
species  
Silurian, early Ludlovian. Czech Republic

\**Pepitaxocrinus svobodai* (Bouska, 1956). Prokop and Petr, 1989b, p. 54, Pl. 4, figs.  
1-3; Fig. 4. Turek, 1990, p. 139, Pl. 2, fig. 2. Prokop and Petr, 1990, p. 48, 62,  
Pl. 10, figs. 1-2. Webster, 1993, p. 87.  
*Protaxocrinus svobodai* Bouska, 1956b, p. 323, 329, 332, Pl. 1, figs. 1-5. Webster,  
1973, p. 226. Prokop and Petr, 1990, p. 48.  
Silurian, early Ludlovian, Kopanina Beds. Czech Republic, Bohemia

*Peremistocrinus* sp. Strimple, 1948 = *Perimestocrinus* sp.

*Peremistocrinus impressus* Moore and Plummer, 1940 = *Stenopeocrinus impressus*

**PEREMOCRINUS** Frest and Strimple, 1981. \**Archaeocrinus depressus* Weller, 1900.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Emperocrinidae  
Frest and Strimple, 1981, p. 644. Webster, 1988, p. 127.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian  
species  
Silurian, Ludlovian. United States

\**Peremocrinus depressus* (Weller, 1900). Frest and Strimple, 1981, p. 644, Fig. 3, no.  
F. Webster, 1988, p. 127.  
*Archaeocrinus depressus* Weller, S., 1900, p. 89, Pl. 3, figs. 9-10. Bassler, 1915,  
p. 59. Bassler and Moodey, 1943, p. 308. Frest and Strimple, 1981, p. 644.  
Webster, 1988, p. 127.  
Silurian, Ludlovian, Racine Dolomite. United States, Illinois

Periechocrinacea gen. and sp. indet. Hashimoto, 2005, p. 3, Pls. 1-2; Figs. 1-3.  
Pennsylvanian, Missourian, Tsunemori Formation. Japan

Periechocrinid incertae sedis Ausich, 1987a, p. 561, Figs. 2, nos. 10-12; 4, nos. 1-3.  
Webster, 1993, p. 87.  
*Dimerocrinus? vagans* Foerste, 1919, p. 13, Pl. 2, figs. 6A-6E. Bassler and  
Moodey, 1943, p. 426. Ausich, 1987a, p. 561. Webster, 1993, p. 87.  
Silurian, late early or middle Llandoveryan, Brassfield Formation. United States,  
Ohio

Periechocrinid indeterminate Webster et al., 2003, p. 7, Fig. 5.1.  
Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Periechocrinid n. gen. undesignated. Webster and Ariunchimeg, 2004, p. 485, Figs. 4, 5, no.s. 1-7.  
Devonian, Emsian, Chuluun Formation. Mongolia, Shine Jinst

Periechocrinidae genus indet. Webster and Becker, 2009, p. 138, Fig. 4, no. J.  
Devonian, Givetian, Red Griotte Beds, Oued Mzerreb Member, Ahrerouch Formation. Morocco

*PERIECHOCRINITES* Austin and Austin, 1943 = ***PERIECHOCRINUS***

*PERIECHOCRINITES* Ramsbottom, 1951 = ***SAGENOCRINITES***

*Periechocrinites annulatus* (Angelin, 1878) = *Periechocrinus annulatus*

*Periechocrinites articulatus* (Austin and Austin, 1843) = *Periechocrinus expansus*

*Periechocrinites baylii* (Verneuil, 1850) = *Periechocrinus baylii*

*Periechocrinites brevimanus* (Angelin, 1878) = *Periechocrinus brevimanus*

*Periechocrinites chicagoensis* (Weller, 1900) = *Periechocrinus chicagoensis* =  
*Stiptocrinus chicagoensis*

*Periechocrinites costatus* Austin and Austin, 1842 = *Periechocrinus costatus*

*Periechocrinites cylindricus* (Foerste, 1917) = *Periechocrinus cylindricus*

*Periechocrinites dubius* (Troost, 1909) = *Periechocrinus dubius*

*Periechocrinites egani* (Miller, 1881) = *Periechocrinus egani*

*Periechocrinites geometricus* (Angelin, 1878) = *Periechocrinus geometricus*

*Periechocrinites globosus* Austin and Austin, 1842 (non Phillips, 1836) = *Mcoyocrinus globosus*

*Periechocrinites gorbyi* (Miller, 1891) = *Periechocrinus gorbyi*

*Periechocrinites grandiscutatus* (Angelin, 1878) = *Periechocrinus grandiscutatus*

*Periechocrinites howardi* (Miller, 1892) = *Periechocrinus howardi* = *Stiptocrinus howardi*

*Periechocrinites indicator* (Etheridge, 1892) = *Periechocrinus indicator* = Actinocrinid  
indet. Webster and Jell, 1999a

- Periechocrinites infelix* (Winchell and Marcy, 1865) = *Periechocrinus infelix*
- Periechocrinites interradiatus* (Angelin, 1878) = *Periechocrinus interradiatus*
- Periechocrinites laevis* (Angelin, 1878) = *Periechocrinus laevis*
- Periechocrinites laevis* Portlock, 1843 = *Trochocrinites laevis*
- Periechocrinites latus* (Springer, 1928) = *Periechocrinus latus* = *Abatocrinus latus*
- Periechocrinites lindstromi* (Wachsmuth and Springer, 1881) = *Periechocrinus lindstromi*
- Periechocrinites longidigitatus* (Angelin, 1878) = *Periechocrinus longidigitatus*
- Periechocrinites longimanus* (Angelin, 1878) = *Periechocrinus longimanus*
- Periechocrinites marcouanus* (Winchell and Marcy, 1865) = *Periechocrinus marcouanus*
- Periechocrinites moniliformis* (Miller, 1821) = *Periechocrinus moniliformis*
- Periechocrinites multicostatus* (Angelin, 1878) = *Periechocrinus multicostatus*
- Periechocrinites natatileformis* Milicina, 2000 = *Periechocrinus natatileformis*
- Periechocrinites necis* (Winchell and Marcy, 1865) = *Periechocrinus necis*
- Periechocrinites nubilis* (Angelin, 1878) = *Periechocrinus nubilis*
- Periechocrinites ornatus* (Hall and Whitfield, 1875) = *Periechocrinus ornatus*
- Periechocrinites prumiensis* (Zeiler and Wirtgen, 1855) = *Periechocrinus prumiensis* = *Pyxidocrinus prumiensis*
- Periechocrinites? prumiensis geometricus* (Schultze, 1866) = *Periechocrinus prumiensis geometricus*
- Periechocrinites pulcher* (M'Coy, 1854) = *Periechocrinus pulcher*
- Periechocrinites radiatus* (Angelin, 1878) = *Periechocrinus radiatus* = *Promelocrinus radiatus*
- Periechocrinites sanmigueli* (Astre, 1925) = *Periechocrinus sanmigueli* = *Pyxidocrinus sanmigueli*
- Periechocrinites scanicus* (Angelin, 1878) = *Periechocrinus scanicus*

*Periechocrinites schultzi* (Angelin, 1878) = *Periechocrinus schultzi*

*Periechocrinites tennesseensis* (Hall and Whitfield, 1875) = *Periechocrinus tennesseensis*

*Periechocrinites tenuidiscus* (Hall, 1861) = *Periechocrinus tenuidiscus* = *Aryballocrinus tenuidiscus*

*Periechocrinites umbrosus* (Miller and Gurley, 1895) = *Periechocrinus umbrosus*

*Periechocrinites undulatus* (Angelin, 1878) = *Periechocrinus undulatus*

*Periechocrinites urniformis* (Miller, 1881) = *Periechocrinus urniformis*

*Periechocrinites whitei* (Hall, 1861) = *Periechocrinus? whitei* = *Periechocrinus whitei* = *Aryballocrinus whitei*

*Periechocrinites whitfieldi* (Hall, 1865) = *Periechocrinus whitfieldi*

*Periechocrinites* sp. 1 Laudon and Severson, 1953 = *Aryballocrinus* sp.

*Periechocrinites* sp. Laudon and Severson, 1953 = *Periechocrinus* sp.

*Periechocrinites* sp. Bolton, 1972 = *Abacocrinus latus*

**PERIECHOCRINUS** Morris, 1843. \**Periechocrinites costatus* Austin and Austin, 1843.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Morris, J., 1843, p. 56. Bronn, 1848, p. 947. M'Coy, 1855, p. 56. Pictet, 1857, p. 323. Dujardin and Hupé, 1862, p. 137. Bigsby, 1868, p. 22. Salter, 1873, p. 121. Zittel, 1880, p. 344, 369. Wachsmuth and Springer, 1881, p. 127 (301). Miller, S. A., 1889, p. 269. Zittel, 1895, p. 127. Koken, 1896, p. 286. Wachsmuth and Springer, 1897, p. 519. Wachsmuth *in* Zittel, 1900, p. 144. Weller, S., 1900, p. 36, 129. Bather *in* Lankester, 1900, p. 166. Grabau and Shimer, 1910, p. 536, Fig. 1864. Springer *in* Zittel, 1913, p. 194. Bassler, 1915, p. 953. Springer, 1926a, p. 44. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 597. Ramsbottom, 1954, p. 687. Webster, 1973, p. 200. Webster, 1977, p. 130. Ubaghs *in* Moore and Teichert, 1978, p. T443. Witzke and Strimple, 1981,

p. 114. Smith, A. B., 1985, p. 166. Webster, 1986, p. 245. Ausich, 1988, p. 909, Fig. 1, no. 2. Webster, 1988, p. 127. Lane and Ausich, 1995, p. 1100.

**PERIECHOCRINITES** Austin and Austin, 1842, p. 203 (as *Paeriecocrinites*, by error). Bronn, 1848, p. 947. Bassler, 1915, p. 953. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 597. Moore and Laudon, 1943b, p. 92, Fig. 15. Moore and Laudon, 1944, p. 189, Pl. 70, fig. 17. Branson, C. C., 1948, p. 206. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 739. Webster, 1973, p. 200. Macurda, 1974, p. 825, Figs. 1-2. Webster, 1986, p. 245. Ubaghs *in* Moore and Teichert, 1978, p.

T443. Donovan et al. 2012, p. 158. LeMenn, 2009, p. 468, Fig. 7.24, no. a.  
*PERIECOCRINITES* Austin and Austin, 1842. Bassler, 1938, p. 149.  
*CRUMENAECRINITES* Troost, 1850a, p. 62. Troost, 1850b, p. 420. \**C. ovalis*  
 Troost, 1850a. Shumard, 1868, p. 360. Miller, S. A., 1889, p. 234. Wood, E.,  
 1909, p. 77. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 597. Ubaghs *in*  
 Moore and Teichert, 1978, p. T443.  
*CRUMENAECRINUS* Bather *in* Lankester, 1900, p. 202. Ubaghs *in* Moore and  
 Teichert, 1978, p. T443.  
*GEOCRINUS* d'Orbigny, 1849, p. 46. d'Orbigny, 1849-51, p. 141. d'Orbigny, 1850,  
 p. 46. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 597. Ubaghs *in*  
 Moore and Teichert, 1978, p. T443.  
*SACCOCRINUS* Hall, 1852a, p. 205. \**S. speciosus* Hall, 1852. Pictet, 1857, p.  
 323. Dujardin and Hupé, 1862, p. 137. Shumard, 1868, p. 395. Bigsby, 1868,  
 p. 23. Meek and Worthen, 1873, p. 395. Zittel, 1880, p. 344, 369. Miller, S. A.,  
 1889, p. 278. Springer *in* Zittel, 1913, p. 194. Bassler, 1915, p. 954. Goldring,  
 1923, p. 206. Springer, 1926a, p. 45. Bassler, 1938, p. 166. Bassler and  
 Moodey, 1943, p. 669. Moore and Laudon, 1943b, p. 92. Moore and Laudon,  
 1944, p. 191, Pl. 71, fig. 1. Webster, 1973, p. 233. Ubaghs *in* Moore and  
 Teichert, 1978, p. T443. Webster, 1988, p. 147.  
 Named, currently recognized species based on cups or crowns: 40 species. 38  
 Silurian, 13 Niagaran, 23 Wenlockian, 1 Ludlovian, 1 Wenlockian – Ludlovian; 2  
 Devonian, 1 Emsian, 1 Eifelian  
 Silurian, Wenlockian - Ludlovian; Devonian, Emsian - Eifelian. Europe  
 Silurian, Niagaran - Ludlovian; Devonian. North America

*Periechocrinus annulatus* (Angelin, 1878). *Nomen correctum*

*Periechocrinites annulatus* Angelin, 1878, p. 7, Pl. 19, figs. 10-10a. Bassler and  
 Moodey, 1943, p. 597.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus articulatus* (Austin and Austin, 1842). Morris, J., 1843, p. 56. Bronn,  
 1848, p. 947. Bigsby, 1868, p. 22. Ramsbottom, 1954, p. 687.

*Periechocrinites articulatus* Austin and Austin, 1842, p. 110. Austin and Austin,  
 1843, p. 204. Bassler and Moodey, 1943, p. 597. Ramsbottom, 1951b, p. 1042.  
 Webster, 1973, p. 234.

Silurian, Wenlockian Limestone. United Kingdom

*Periechocrinus? awthornsensis* Wright, 1955 = *Aryballocrinus awthornsensis*

*Periechocrinus baylii* (de Verneuil, 1850). *Nomen correctum*

*Pradocrinus baylii* de Verneuil, 1850, p. 184, Pl. 4, figs. 11a-11c. Bassler and  
 Moodey, 1943, p. 597.

*Periechocrinites baylii* (de Verneuil, 1850). Bassler and Moodey, 1943, p. 597.  
 Devonian, Emsian, Calcaire d'Arnao. Spain

*Periechocrinus brevimanus* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 131  
 (305). Bassler and Moodey, 1943, p. 597.



*Actinocrinus brevimanus* Angelin, 1878, p. 6, Pl. 18, fig. 12. Bassler and Moodey, 1943, p. 597.

*Periechocrinites brevimanus* (Angelin, 1878). Bassler and Moodey, 1943, p. 597. Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus bulbous* Ramsbottom in Donovan et al., 2012, p. 165, Fig. 73. Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland

*Periechocrinus chicagoensis* Weller, 1900 = *Stiptocrinus chicagoensis*

*Periechocrinus christyi* (Hall, 1865) = *Periechocrinus whitfieldi*

\**Periechocrinus costatus* (Austin and Austin, 1842). Bronn, 1848, p. 947. Dujardin and Hupé, 1862, p. 137. Ramsbottom, 1954, p. 687. Webster, 1973, p. 200. Ubaghs in Moore and Teichert, 1978, p. T443, Fig. 251, no. 1. Smith, A. B., 1985, p. 166, Pl. 7.4.1. Webster, 1986, p. 245. Webster, 1988, p. 127. Donovan et al., 2008a, p. 36, Fig. 2, no. C. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 1. Donovan et al., 2012, p. 158, Pl. 41, figs. 1-2; Fig. 70. Donovan and Riley, 2011, p. 360, Fig. 3, nos. A, B.

*Periechocrinites costatus* Austin and Austin, 1842, p. 110. Austin and Austin, 1843, p. 204. Bassler and Moodey, 1943, p. 599. Ramsbottom, 1951b, p. 1042. Webster, 1973, p. 200.

*Actinocrinites costatus* (Austin and Austin, 1842). Bronn, 1848, p. 947.

*Actinocrinus costatus* (Austin and Austin, 1842). Bronn, 1848, p. 14. Bigsby, 1868, p. 18. Donovan and Riley, 2011, p. 360, Fig. 3, no. A. Donovan et al., 2012, p. 158, Pl. 41, figs. 1-2; Fig. 70

*Actinocrinus moniliformis* Phillips, 1839, Bronn, 1848, p. 14, 947.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Scotland

*Periechocrinus cuspidatus* (Springer, 1926). New Combination

*Saccocrinus cuspidatus* Springer, 1926a, p. 46, Pl. 10, fig. 15. Bassler and Moodey, 1943, p. 669.

Silurian, Niagaran, Louisville Limestone. United States, Kentucky

*Periechocrinus cylindricus* Foerste, 1917a, p. 244, Pl. 10, figs. 1A-1B. Foerste, 1920, p. 73, Pl. 3, fig. 4. Bassler and Moodey, 1943, p. 598.

*Periechocrinites cylindricus* (Foerste, 1917). Bassler and Moodey, 1943, p. 598. Silurian, Niagaran, Cedarville Dolomite. United States, Ohio

*Periechocrinus dubius* (Troost in Wood, 1909). Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598. Ausich, 2009a, p. 486, suppl. p. 37.

*Gilbertsocrinites? dubius* Troost in Wood, 1909, p. 77. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.

*Periechocrinites dubius* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 598.

- Saccocrinus speciosus* Roemer, C. F., 1860a (*non* Hall, 1852), p. 42, Pl. 3, figs. 3a-3c. Dujardin and Hupé, 1862, p. 137. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.
- Periechocrinus speciosus* (Roemer, 1860). Wachsmuth and Springer, 1897, p. 521. Bassler, 1915, p. 954.
- Actinocrinites tennesseensis* Troost *in* Wood, E., 1909, p. 77. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 275.  
Silurian, Niagaran, Beech River Formation. United States, Tennessee
- Periechocrinus egani* (Miller, 1881). Wachsmuth and Springer, 1885, p. 328 (p. 106). Weller, S., 1900, p. 136, Pl. 132, fig. 9. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.
- Saccocrinus egani* Miller, S. A., 1881b, p. 173, Pl. 4, figs. 4-4a. Miller, S. A., 1889, p. 278. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.
- Periechocrinites egani* (Miller, 1881). Bassler and Moodey, 1943, p. 598.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Periechocrinus geometricus* Angelin, 1878, p. 7, Pl. 10, fig. 29. Bassler and Moodey, 1943, p. 598.
- Periechocrinites geometricus* (Angelin), 1878. Bassler and Moodey, 1943, p. 598.  
Silurian, Wenlockian: Sweden, Isle of Gotland
- Periechocrinus globosus* Austin and Austin, 1843 = *Periechocrinites globosus* = *Mcoyocrinus globosus*
- Periechocrinus gorbyi* (Miller, 1891). Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.
- Saccocrinus gorbyi* Miller, S. A., 1891c, p. 57. Miller, S. A., 1892a, p. 681. Miller, S. A., 1892b, p. 667, Pl. 9, figs. 2-3. Bassler, 1915, p. 954. Bassler and Moodey, 1943, p. 598.
- Periechocrinites gorbyi* (Miller, 1891). Bassler and Moodey, 1943, p. 598.  
Silurian, Niagaran Beech River Formation. United States, Tennessee
- Periechocrinus gotlandicus* Angelin, 1878 = *Lindstroemicrinus gotlandicus* = *Ctenocrinus gottlandicus*
- Periechocrinus grandiscutatus* Angelin, 1878, p. 7, Pl. 26, fig. 25. Bassler and Moodey, 1943, p. 598.
- Periechocrinites grandiscutatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 598.  
Silurian, Wenlockian. Sweden, Isle of Gotland
- Periechocrinus hamiltonensis* (Goldring, 1923). New Combination.
- Saccocrinus? hamiltonensis* Goldring, 1923, p. 207, Pl. 26, figs. 6-7. Bassler and Moodey, 1943, p. 669.  
Devonian, late Givetian, upper part of Moscow Shale. United States, New York

*Periechocrinus howardi* (Miller, 1892) = *Stiptocrinus howardi*

?*Periechocrinus indicator* Etheridge, 1892 = Actinocrinid indet. Webster and Jell, 1999a

*Periechocrinus infelix* (Winchell and Marcy, 1865). Wachsmuth and Springer, 1897, p. 525, Pl. 50, figs. 2a-2d. Weller, S., 1900, p. 134, Pl. 13, figs. 1-2. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 598.

*Megistocrinus infelix* Winchell and Marcy, 1865, p. 78, Pl. 22, fig. 4. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 260. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 598.

*Periechocrinites infelix* (Winchell and Marcy, 1865). Bassler and Moodey, 1943, p. 598.

*Saccocrinus infelix* (Winchell and Marcy, 1865). Miller, S. A., 1881b, p. 167, Pl. 6, fig. 2. Miller, S. A., 1889, p. 278. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 598.

*Saccocrinus (Megistocrinus) infelix* (Winchell and Marcy, 1865). Meek and Worthen, 1868, p. 349. Bassler, 1915, p. 955.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Periechocrinus interradiatus* Angelin, 1878, p. 7, Pl. 10, fig. 15. Bassler and Moodey, 1943, p. 598.

*Periechocrinites interradiatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 598. Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Periechocrinus laevis* Angelin, 1878, p. 7, Pl. 18, fig. 11. Bassler and Moodey, 1943, p. 599.

*Periechocrinites laevis* (Angelin, 1878). Bassler and Moodey, 1943, p. 599.

*Periechocrinus minor* Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus laevis* (Portlock, 1843) (*non* Angelin, 1878) = *\*Trochocrinites laevis*

*Periechocrinus latus* Springer, 1928 = *Abacocrinus latus*

*Periechocrinus limonium* Salter, 1873, p. 121. Bassler and Moodey, 1943, p. 602. Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Periechocrinus lindstromi* Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599.

*Periechocrinites lindstromi* (Wachsmuth and Springer, 1881). Bassler and Moodey, 1943, p. 599.

*Actinocrinus interradiatus* Angelin, 1878, p. 6, Pl. 26, fig. 15. Bassler and Moodey, 1943, p. 599.

Silurian, Wenlockian. Sweden, Isle of Gotland

- Periechocrinus longidigitatus* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599.  
*Actinocrinus longidigitatus* Angelin, 1878, p. 6, Pl. 26, figs. 19-19a. Bassler and Moodey, 1943, p. 599.  
*Periechocrinites longidigitatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 599. Silurian, Wenlockian. Sweden, Isle of Gotland
- Periechocrinus longimanus* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599.  
*Actinocrinus longimanus* Angelin, 1878, p. 6, Pls. 15, fig. 17; 26, fig. 16; 28, figs. 5-5a, 6. Bassler and Moodey, 1943, p. 599.  
*Periechocrinites longimanus* (Angelin, 1878). Bassler and Moodey, 1943, p. 599. Silurian, Wenlockian. Sweden, Isle of Gotland
- Periechocrinus marcouanus* (Winchell and Marcy, 1866). Wachsmuth and Springer, 1897, p. 523, Pls. 50, figs. 7a, 7b; 51, fig. 5. Weller, S., 1900, p. 1, 130, Pl. 12, figs. 2-4. Grabau and Shimer, 1910, p. 536. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 599. Webster, 1973, p. 201.  
*Megistocrinus marcouanus* Winchell and Marcy, 1866, p. 87, Pl. 2, fig. 5; Unnum. Fig. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 260. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 599.  
*Saccocrinus marcouanus* (Winchell and Marcy, 1866). Miller, S. A., 1881b, p. 167, Pl. 4, figs. 1-1a. Miller, S. A., 1889, p. 279. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 599.  
*Periechocrinites marcouanus* (Winchell and Marcy, 1866). Bassler and Moodey, 1943, p. 599. Moore and Laudon, 1942, p. 74, Fig. 4, no. D. Webster, 1973, p. 201.  
 Silurian, Niagaran, Racine Dolomite, ?Waldron Shale. United States, Illinois, Indiana
- Periechocrinus minor* Wachsmuth and Springer, 1881 = *Periechocrinus laevis*
- Periechocrinus moniliformis* (Miller, 1821). M'Coy, 1854, p. 56. Bigsby, 1868, p. 22. Murchison, 1872, p. 223, Pl. 13, figs. 1-2. Salter, 1873, p. 121. Baily, 1875, Pl. 18, figs. 4a-4b. Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599. Webster, 1977, p. 130. Webster, 1986, p. 245.  
*Actinocrinites moniliformis* Miller, J. S., 1821, p. 116, Unnum. Pl. opp. p. 114, fig. 9. Phillips in Murchison, 1839, p. 673, Pl. 18, fig. 4. Garner, 1844, p. 456, Pl. A, fig. 6. Bassler, 1938, p. 101. Bassler and Moodey, 1943, p. 599. Donovan and Riley, 2011, p. 359, Fig. 2.  
*Actinocrinus moniliferus* (Miller, 1821). Bronn, 1848, p. 14. Shumard, 1868, p. 346 (following Troost, not *Actinocrinites moniliformis*). Bigsby, 1868, p. 196. Miller, S. A., 1889, p. 219 (not *Actinocrinites moniliformis*).  
*Geocrinus moniliformis* (Miller, 1821). d'Orbigny, 1850, p. 46.  
*Periechocrinites moniliformis* (Miller, 1821). Bassler and Moodey, 1943, p. 599. White, W. D., 1964, p. 98, Pl. 23, fig. 2. Watkins and Hurst, 1977, p. 210, Figs. 4; 6, no. H. Webster, 1977, p. 130. Webster, 1986, p. 245.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Periechocrinus multicosatus* Angelin, 1878, p. 7, Pl. 18, figs. 15a-15e. Bassler and Moodey, 1943, p. 599.

*Periechocrinites multicosatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 599. Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus natatileformis* (Milicina, 2000) n. comb.

*Periechocrinites natatileformis* Milicina, 2000a, p. 57, Pl. 10, figs. 1-2; Fig. 3. Milicina 2000b, p. 62, Pl. 10, figs. 1-2; Fig. 3.

Silurian, late Wenlockian, Elkino Horizon; Ludlovian, Isovskoi Horizon. Russia, east slope Ural Mountains

*Periechocrinus necis* (Winchell and Marcy, 1866). Wachsmuth and Springer, 1897, p. 524, Pl. 50, figs. 1a-1b. Weller, S., 1900, p. 130, Pl. 13, figs. 5-6. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 600.

*Megistocrinus necis* Winchell and Marcy, 1866, p. 110, Pl. 2, fig. 6. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 260. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 599.

*Saccocrinus necis* (Winchell and Marcy, 1866). Miller, S. A., 1881b, p. 172, Pl. 4, fig. 3. Miller, S. A., 1889, p. 279. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 600.

*Periechocrinites necis* (Winchell and Marcy, 1866). Bassler and Moodey, 1943, p. 599.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Periechocrinus nubilis* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 132, (306). Bassler and Moodey, 1943, p. 600.

*Actinocrinus nubilis* Angelin, 1878, p. 6, Pl. 18, fig. 14. Bassler and Moodey, 1943, p. 600.

*Periechocrinites nubilis* (Angelin, 1878). Bassler and Moodey, 1943, p. 600.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus ornatus* (Hall and Whitfield, 1875). Wachsmuth and Springer, 1881, p. 132 (306). Wachsmuth and Springer, 1897, p. 527, Pl. 50, figs. 3a-3b (*non* Pl. 51, fig. 7). Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 600. Ausich, 1996b, p. 247, Fig. 17-5, no. 7.

*Saccocrinus ornatus* Hall and Whitfield, 1875a, p. 126, Pl. 6, fig. 7-9. Miller, S. A., 1889, p. 279. Lesley, 1889, p. 916, Figs. f.7-f.9. Bassler, 1915, p. 955. Bassler and Moodey, 1943, p. 600.

*Periechocrinus* (*Saccocrinus*) *ornatus* (Hall and Whitfield, 1875). Grabau and Shimer, 1910, p. 537, Fig. 1865. Bassler, 1915, p. 955.

*Periechocrinites ornatus* (Hall and Whitfield, 1875). Bassler and Moodey, 1943, p. 600.

Silurian, Niagaran, Cedarville Limestone; Laurel Limestone. United States, Ohio, Indiana

*Periechocrinus ornatus* (Hall and Whitfield, 1875), Wachsmuth and Springer, 1897 (part) = *Saccocrinus benedicti* = *Stiptocrinus spinosus*

*Periechocrinus* (*Saccocrinus*) *ornatus* (Hall and Whitfield, 1875) = *Periechocrinus ornatus*

*Periechocrinus prumiensis* (Zeiler and Wirtgen, 1855) = *Pyxidocrinus prumiensis*

*Periechocrinus prumiensis geometricus* (Schultze, 1866).

*Actinocrinus prumiensis* var. *geometrica* Schultze, 1866, p. 61. Schultze, 1867, p. 173, Pl. 6, figs. 6e-6f. Bassler and Moodey, 1943, p. 600.

*Periechocrinites? prumiensis geometricus* (Schultze, 1866). Bassler and Moodey, 1943, p. 600.

Devonian, Eifelian. Germany

*Periechocrinus pulcher* (M'Coy, 1854). Wachsmuth and Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 600.

*Actinocrinus pulcher* M'Coy, 1854, p. 55, Pl. 1-D, fig. 3. Bigsby, 1868, p. 18, 196. Salter, 1873, p. 92. Bassler and Moodey, 1943, p. 600.

*Periechocrinus* (*Actinocrinus*) *pulcher* (M'Coy, 1854). Boswell, 1935, p. 193, Pl. 2.

*Periechocrinites pulcher* (M'Coy, 1854). Bassler and Moodey, 1943, p. 600.

Silurian, Wenlockian - late Ludlovian, Wenlock Limestone. United Kingdom

*Periechocrinus* (*Actinocrinus*) *pulcher* (M'Coy, 1854) = *Periechocrinus pulcher*

*Periechocrinus pyriformis* (Miller, 1882) = *Periechocrinus urniformis*

*Periechocrinus radiatus* Angelin, 1878 = *Promelocrinus radiatus*

*Periechocrinus sanmigueli* Astre, 1925 = *Pyxidocrinus sanmigueli*

*Periechocrinus scanicus* Angelin, 1878, p. 7, Pl. 19, figs. 16-16a. Bassler and Moodey, 1943, p. 600.

*Periechocrinites scanicus* (Angelin, 1878). Bassler and Moodey, 1943, p. 600.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus schultzi* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 133 (307). Bassler and Moodey, 1943, p. 600.

*Actinocrinus schultzi* Angelin, 1878, p. 6, Pl. 18, fig. 13. Bassler and Moodey, 1943, p. 600.

*Periechocrinites schultzi* (Angelin, 1878). Bassler and Moodey, 1943, p. 600.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Periechocrinus semiradiatus* Wachsmuth and Springer, 1881 = *Macrostylocrinus semiradiatus*

*Periechocrinus shaveri* Lane and Ausich, 1995, p. 1100, Figs. 1.4-1.7, 2.1.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana

*Periechocrinus simplex* Salter, 1873, p. 121, Unnum. Fig. Bassler and Moodey, 1943, p. 602. Donovan et al., 2012, p. 162. Fig. 72.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom, Scotland

*Periechocrinus speciosus* (Hall, 1852). Wachsmuth and Springer, 1897, p. 521, Pl. 50, fig. 6. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 669. Brett, 1984, p. 92, Fig. 3. Webster, 1988, p. 127.

*Saccocrinus speciosus* Hall, 1852a, p. 205, Pl. 46, figs. 1a-1n. Shumard, 1868, p. 395. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 279. Bassler, 1915, p. 956.

Bassler, 1938, p. 166. Bassler and Moodey, 1943, p. 669. Webster, 1988, p. 127.

Brett and Taylor *in* Brett and Baird, 1997, p. 196, Fig. 8.5, no. A. Taylor and Brett *in* Hess et al., 1999 p. 88, Fig. 103.

*Actinocrinus (Saccocrinus) speciosus* (Hall, 1852). Hall, 1864b, p. 197. Bassler, 1915, p. 956.

Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus* Beds. United States, New York; Canada, Ontario

*Periechocrinus speciosus* (Roemer, 1860) = *Periechocrinus dubius*

*Periechocrinus tennesseensis* (Hall and Whitfield, 1875). Wachsmuth and Springer, 1897, p. 528. Bassler, 1915, p. 956. Foerste, 1917a, p. 244, Pl. 10, fig. 3. Springer, 1926a, p. 45, Pl. 10, fig. 1-4. Bassler and Moodey, 1943, p. 601. Webster, 1973, p. 201. Ausich, 2009a, suppl. p. 37.

*Saccocrinus tennesseensis* Hall and Whitfield, 1875a, p. 125, Pl. 6, fig. 10. Miller, S. A., 1889, p. 279. Lesley, 1889, p. 917, Fig. f.10. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 600.

*Actinocrinites tennesseensis* (Hall and Whitfield, 1875). Troost *in* Wood, E., 1909, p. 76, Pl. 6, fig. 10 only. Bassler, 1915, p. 956.

*Periechocrinus (Saccocrinus) tennesseensis* (Hall and Whitfield, 1875). Grabau and Shimer, 1910, p. 537, Fig. 1865. Bassler, 1915, p. 956.

*Periechocrinites tennesseensis* (Hall and Whitfield, 1875). Bassler and Moodey, 1943, p. 600. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 4. Moore and Laudon, 1944, p. 189, Pl. 75, fig. 15. La Rocque and Marple, 1955, p. 73, Fig. 147. Webster, 1973, p. 201.

*Crumenaecrinites ovalis* Troost, 1850a, p. 62. Troost, 1850b, p. 420. Shumard, 1868, p. 360. Bassler, 1915, p. 956. Bassler, 1938, p. 76. Bassler and Moodey, 1943, p. 601.

Silurian, Niagaran, Beech River Formation; Cedarville Limestone; Louisville Limestone. United States, Tennessee, Ohio, Kentucky

*Periechocrinus (Saccocrinus) tennesseensis* (Hall and Whitfield, 1875) = *Periechocrinus tennesseensis*

*Periechocrinus tenuidiscus* (Hall, 1861) = *Aryballocrinus tenuidiscus*

- Periechocrinus umbrosus* (Miller and Gurley, 1895). Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601.  
*Saccocrinus umbrosus* Miller and Gurley, 1895a, p. 24, Pl. 2, figs. 13-14. Miller, S. A., 1897, p. 752. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601.  
*Periechocrinites umbrosus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 601.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Periechocrinus undulatus* Angelin, 1878, p. 7, Pl. 26, fig. 20. Bassler and Moodey, 1943, p. 601.  
*Periechocrinites undulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 601.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Periechocrinus urniformis* (Miller, 1881). Wachsmuth and Springer, 1897, p. 526, Pl. 50, figs. 5a-5b. Weller, S., 1900, p. 135, Pls. 12, fig. 1; 13, figs. 3-4. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601.  
*Saccocrinus urniformis* Miller, S. A., 1881b, p. 170, Pl. 4, figs. 2-2a. Miller, S. A., 1889, p. 279. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601.  
*Periechocrinites urniformis* (Miller, 1881). Bassler and Moodey, 1943, p. 601.  
*Saccocrinus pyriformis* Miller, S. A., 1882, p. 81, Pl. 3, figs. 3-3a Miller, S. A., 1889, p. 279. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601.  
*Periechocrinus pyriformis* (Miller, 1882). Wachsmuth and Springer, 1885, p. 328 (p. 106). Bassler, 1915, p. 956.  
 Silurian, Niagaran, Racine Dolomite. United States, Illinois
- Periechocrinus whitei* (Hall, 1861) = *Aryballocrinus whitei*
- Periechocrinus? whitei* (Hall, 1861) = *Aryballocrinus whitei*
- Periechocrinus whitfieldi* (Hall, 1864). Wachsmuth and Springer, 1897, p. 522, Pl. 51, figs. 1-4. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601. Ubaghs in Moore and Teichert, 1978, p. T179, Fig. 151, no. 6. Webster, 1986, p. 245. Kluessendorf, 1995, p. 14, Fig. 2, no. c.  
*Actinocrinus (Saccocrinus) whitfieldi* Hall, 1864c, p. 326. Hall, 1865a, p. 22. Hall, 1867b, p. 326. Hall, 1870, p. 370. Bassler, 1915, p. 957.  
*Actinocrinus whitfieldi* (Hall, 1864). Shumard, 1866, p. 350. Miller, S. A., 1889, p. 220. Bassler, 1915, p. 957.  
*Periechocrinites whitfieldi* (Hall, 1864). Bassler and Moodey, 1943, p. 601. Boucot, 1990, p. 25, Fig. 13.  
*Saccocrinus whitfieldi* (Hall, 1864). Miller, S. A., 1889, p. 279.  
*Actinocrinus christyi* Hall, 1863a (*non* Shumard, 1866), p. 2. Hall, 1864b, p. 196. Miller, S. A., 1889, p. 217. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601. Webster, 1988, p. 127.  
*Megistocrinus christyi* (Hall, 1863). Winchell and Marcy, 1865, p. 89. Bassler, 1915, p. 956.



- Saccocrinus christyi* (Hall, 1863). Meek and Worthen, 1868c, p. 347, Pl. 5, fig. 1. Hall, 1877, Pl. 13, figs. 12-20. Hall, 1879a, p. 127, Pl. 13, figs. 12-20. Hall, 1882b, p. 254, Pls. 12, figs. 12-20; 15, figs. 3-4. Lesley, 1889, p. 915, Figs. 3-4, 12-20. Bassler, 1915, p. 956. Bassler and Moodey, 1943, p. 601. Kahrs, 1995, p. 48, Figs. 1-2.
- Periechocrinus christyi* (Hall, 1863). Grabau and Shimer, 1910, p. 536. Bassler, 1915, p. 956. Kluessendorf, 1983, p. 50, Figs. 5-7. Webster, 1988, p. 127.
- Actinocrinus waldronensis* Shumard, 1866, p. 350. Bassler, 1915, p. 957. Bassler and Moodey, 1943, p. 602.
- Saccocrinus sacculus* Meek and Worthen, 1868c, p. 349. Bassler, 1915, p. 957. Bassler and Moodey, 1943, p. 601.
- Actinocrinus verneuillianus* Shumard, 1866. Meek and Worthen, 1869b, p. 439. Silurian, Niagaran, Waldron Shale; Racine Dolomite. United States, Indiana, Tennessee, Illinois, Wisconsin, Ohio
- Periechocrinus* sp. A Witzke and Strimple, 1981, p. 114, Pl. 2, fig. 6; Fig. 7, no. A. Webster, 1988, p. 127.  
Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa
- Periechocrinus* sp. B Witzke and Strimple, 1981, p. 116, Pl. 2, figs. 7-8; Fig. 7, nos. B-C. (not Fig. 7, nos. A-B as given p. 116. Webster, 1988, p. 127.  
Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa
- Periechocrinus?* sp. ind. Etheridge, 1892 = Actinocrinid indet. Webster and Jell, 1999a
- Periechocrinus* spp.  
Salter, 1873, p. 85, 121, Fig. after M'Coy.  
Late Silurian, May Hill Group. United Kingdom
- Periechocrinites* sp. Laudon and Severson, 1953, p. 527, Pl. 52, figs. 1-2. Webster, 1973, p. 201.  
Mississippian, Kinderhookian, Lodgepole Limestone. United States, Montana
- Saccocrinus* sp. Kluessendorf, 1983, p. 49, Fig. 1. Webster, 1988, p. 147.  
Silurian, Rochester Shale. Canada, Ontario
- Donovan, 2011a, p. 133, Fig. 10 (panorama)  
Silurian
- Periechocrinus?* sp. Wood, 1909. Ausich, 2009a, p. 486, p. 486, suppl. p. 38.  
*Periechocrinus*(?), species undetermined Wood, 1909, p. 79, Pl. 6, figs. 6-7.  
*Actinocrinites moniliformis* Miller, 1821. Troost, 1849, p. 419. Troost, 1850a, p. 60. Troost, 1850b, p. 212, fig. 23. Wachsmuth and Springer, 1882, p. 306. Ausich, 2009a, p. 38.  
Silurian. United States, Tennessee
- Periechocrinus*(?), species undetermined Wood, 1909 = *Periechocrinus?* sp.
- PERIECOCRINITES** Austin and Austin, 1842 = **PERIECHOCRINUS**

**PERIGLYPTOCRINUS** Wachsmuth and Springer, 1897. \**P. billingsi* Wachsmuth and Springer, 1897.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Wachsmuth and Springer, 1897, p. 277. Miller, S. A., 1889, p. 749. Bather in Lankester, 1900, p. 161. Grabau and Shimer, 1910, p. 552. Springer, 1913, p. 190. Bassler, 1915, p. 957. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 602. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 199. Ubaghs, 1953, p. 741. Webster, 1973, p. 201. Brower and Veinus, 1978, p. 414. Ubaghs in Moore and Teichert, 1978, p. T487. Webster, 1977, p. 131. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 3 Ordovician Species, 1 Sandbian – Katian, 2 Katian

Ordovician, Sandbian – Katian (late Champlainian). Canada

\**Periglyptocrinus billingsi* Wachsmuth and Springer, 1897, p. 277, Pl. 21, figs. 1a-1b. Miller, S. A., 1897, p. 749. Bassler, 1915, p. 957. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 602. Moore and Laudon, 1944, p. 199, Pl. 73, fig. 23. Wilson, A. E., 1946, p. 29. Webster, 1973, p. 201. Ubaghs in Moore and Teichert,

1978, p. T487, Fig. 291, no. 1. Webster, 1986, p. 245.

*Glyptocrinus billingsi* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 746. Bassler, 1915, p. 957.

Ordovician, Katian (late Champlainian), Hull Limestone. Canada, Ontario, Quebec

*Periglyptocrinus priscus* (Billings, 1857). Wachsmuth and Springer, 1897, p. 278, Pl. 21, fig. 2. Grabau and Shimer, 1910, p. 552. Bassler, 1915, p. 957. Bassler and Moodey, 1943, p. 602. Wilson, A. E., 1946, p. 30.

*Glyptocrinus priscus* Billings, E., 1857a, p. 257. Billings, E., 1859a, p. 56, Pl. 7, figs. 1a-1f. Shumard, 1868, p. 373. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 957. Bassler and Moodey, 1943, p. 602.

*Ptychocrinus priscus* (Billings, 1857). Wachsmuth and Springer, 1886, p. 301 (p. 225). Bassler, 1915, p. 957.

*Glyptocrinus mercerensis* Miller and Gurley, 1894b, p. 28, Pl. 2, fig. 23. Miller, S. A., 1897, p. 746. Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 602.

Ordovician, Katian (late Champlainian), Hull Limestone; Curdsville Limestone; Rockland Formation or Leray Beds. Canada, Ontario, Quebec; United States, Kentucky

*Periglyptocrinus spinuliferus* Brower and Veinus, 1978, p. 423, Pl. 12, figs. 1-4; Fig. 6. Webster, 1986, p. 245.

Ordovician, Sandbian – Katian (late Champlainian), Decorah Shale. United States, Minnesota

*Periglyptocrinus* sp. Twenhofel, 1928 = Monobathrida indeterminate

**PERIMESTOCRINUS** Moore and Plummer, 1938. \**Hydreionocrinus noduliferus* Miller and Gurley, 1894.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Moore and Plummer, 1938, p. 281. Bassler, 1938, p. 149. Moore, 1939c, p. 234. Moore and Plummer, 1940, p. 202. Bassler and Moodey, 1943, p. 602. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 161. Branson, C. C., 1948, p. 206. Knapp, 1969, p. 381, Fig. 1. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 19. Strimple and Boardman, 1971a, p. 27. Moore and Strimple, 1973, p. 76. Webster, 1973, p. 201. Webster, 1977, p. 130. Moore and Strimple *in* Moore and Teichert, 1978, p. T729. Pabian and Strimple, 1980a, p. 182. Webster, 1986, p. 245. Pabian and Strimple, 1993, p. 31. Webster, 1993, p. 87.

Named, currently recognized species based on cups or crowns: 11 species. 7 Pennsylvanian, 2 Morrowan, 4 Missourian, 1 Missourian - Virgilian; 4 Permian, Wolfcampian

Pennsylvanian, Morrowan; Missourian - Permian, Wolfcampian. United States

*Perimestocrinus? bulbosus* Strimple, 1962 = *Triceracrinus bulbosus*

*Perimestocrinus calyculus* Moore and Plummer, 1940 = *Vertigocrinus calyculus*

*Perimestocrinus excavatus* (Weller, 1909). Moore and Plummer, 1940, p. 210, Pl. 10, fig. 7; Fig. 44. Bassler and Moodey, 1943, p. 602. Branson, C. C., 1948, p. 206. Moore and Strimple *in* Moore and Teichert, 1978, p. T729, Fig. 436, no. 2. Webster, 1986, p. 245.

*Delocrinus excavatus* Weller, S., 1909, p. 628, Pl. 1, figs. 16-17. Bassler and Moodey, 1943, p. 602. Branson, C. C., 1948, p. 206.

Permian, Wolfcampian, Cibolo Limestone. United States, Texas

*Perimestocrinus fabulosus* (Strimple, 1950) = *Triceracrinus fabulosus*

*Perimestocrinus facilis* (Strimple, 1950) = *Separocrinus facilis* = *Triceracrinus facilis*

*Perimestocrinus formosus* Moore and Plummer, 1940, p. 203, Pls. 7, fig. 7; 10, fig. 1; Fig. 41. Bassler and Moodey, 1943, p. 603. Moore and Laudon, 1944, p. 161, Pl. 64, fig. 3. Webster, 1973, p. 201. Moore and Strimple *in* Moore and Teichert, 1978, p. T730, Fig. 483, nos. 1d-1f. Webster, 1986, p. 246.

Pennsylvanian, Missourian, Palo Pinto Formation, Martins Lake Limestone Member. United States, Texas

*Perimestocrinus granuliferus* (Miller and Gurley, 1893). Moore and Plummer, 1938, p. 281. Bassler and Moodey, 1943, p. 603.

*Hydreionocrinus granuliferus* Miller and Gurley, 1893, p. 44, Pl. 6, figs. 20-21. Miller,

S. A., 1897, p. 747. Weller, S., 1898c, p. 310. Bassler and Moodey, 1943, p. 603.

Pennsylvanian, Missourian, ?Argentine Limestone. United States, Missouri

*Perimestocrinus granulosus* (Strimple, 1939). Strimple, 1961g, p. 24. Strimple, 1963b, p.

106, Pl. 1, figs. 1-7. Webster, 1973, p. 202.

*Utharocrinus granulosus* Strimple, 1939b, p. 40, Pl. 2, figs. 1-7. Bassler and Moodey, 1943, p. 721. Strimple, 1961g, p. 24. Webster, 1973, p. 202.

Pennsylvanian, Missourian, Wann Formation, Stanton Limestone. United States, Oklahoma

*Perimestocrinus habitus* (Strimple, 1950) = *Triceracrinus habitus*

*Perimestocrinus hexagonus* Strimple, 1952 = *Stenopecrinus hexagonus* = *Aatocrinus hexagonus*

*Perimestocrinus ibexensis* Strimple and Boardman, 1971a, p. 28, Figs. 11, nos. 1-2; 12, nos. 4-7. Webster, 1977, p. 130.

Permian, Wolfcampian, Watts Creek Shale Member. United States, Texas

*Perimestocrinus impressus* Moore and Plummer, 1940 = *Stenopecrinus impressus*

*Perimestocrinus (Triceracrinus) moorei* (Bramlette, 1943) = *Triceracrinus moorei*

*Perimestocrinus moseleyi* Strimple, 1951 = *Stenopecrinus moseleyi*

*Perimestocrinus nevadensis* Lane and Webster, 1966, p. 51, Pl. 12, figs. 7-8. Webster and Lane, 1967, p. 30, Pl. 5, fig. 5. Webster, 1973, p. 202.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Perimestocrinus nodulifer* (Miller and Gurley, 1893) = *Perimestocrinus noduliferus*

\**Perimestocrinus noduliferus* (Miller and Gurley, 1893). Moore and Plummer, 1938, p. 281, Fig. 28. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 603. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 9; 64, fig. 5. Strimple, 1961g, p. 20, Figs. 1-2. Strimple and Boardman, 1971a, p. 27, Fig. 12, no. 3 (typographical error as *P. nodulifer* in figure explanation). Webster, 1973, p. 202. Webster, 1977, p. 130. Webster, 1986, p. 246.

*Hydreionocrinus noduliferus* Miller and Gurley, 1893, p. 41, Pl. 6, figs. 15-17. Miller, S. A., 1897, p. 747. Weller, S., 1898c, p. 310. Bassler, 1938, p. 149. Bassler and Moodey, 1943, p. 603.

*Perimestocrinus nodulifer* (Miller and Gurley, 1893). Knapp, 1969, p. 381, Fig. 47. Moore and Strimple in Moore and Teichert, 1978, p. T730, Fig. 483, nos. 1a-1c. Pabian and Strimple, 1980a, p. 182, Fig. 7, nos. L-N. Pabian and Strimple, 1980b, p. 17, Pls. 2, fig. 10; 3, fig. 11. Pabian and Strimple, 1993, p. 31.

Pennsylvanian, Missourian - Virgilian, Argentine Limestone; Wyandotte Limestone?; Cass Formation, Haskell Limestone Member; South Bend Limestone. United States, Missouri, Nebraska

*Perimestocrinus oasis* Webster and Lane, 1967, p. 30, Pl. 5, figs. 9-10. Webster, 1973, p. 202.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Perimestocrinus oreadensis* (Moore, 1939) = *Triceracrinus oreadensis*

*Perimestocrinus papillatus* Strimple, 1962 = *Stenopecrinus papillatus*

*Perimestocrinus parvus* (Miller and Gurley, 1893). Moore and Plummer, 1938, p. 281, Pl. 14, figs. 10a-10c; Fig. 29. Bassler and Moodey, 1943, p. 603.

*Eupachycrinus parvus* Miller and Gurley, 1893, p. 60, Pl. 6, figs. 22-23. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 265. Bassler and Moodey, 1943, p. 603. Pennsylvanian, Missourian, ?Argentine Limestone. United States, Missouri

*Perimestocrinus planus* Strimple, 1952 = *Stenopecrinus planus*

*Perimestocrinus pumilis* Moore and Laudon, 1938 = \**Exterocrinus pumilis*

*Perimestocrinus quinquacutus* (Moore, 1939) = *Triceracrinus quinquacutus*

*Perimestocrinus quintorus* Webster and Lane, 1970, p. 282, Pl. 55, figs. 22-23. Webster, 1977, p. 130.

Pennsylvanian, Morrowan, lower part of Bird Spring Formation. United States, Nevada

*Perimestocrinus spinosus* (Strimple, 1950) = *Triceracrinus spinosus*

*Perimestocrinus subtilis* Moore, 1939 = *Vertigocrinus subtilis*

*Perimestocrinus teneris* Moore and Plummer, 1938, p. 284, Pl. 14, figs. 5a-5c; Fig. 30. Bassler and Moodey, 1943, p. 603. Moore and Laudon, 1944, p. 161, Pl. 64, fig. 11. Moore and Strimple, 1973, p. 76, Pl. 12, fig. 3a-3d. Webster, 1973, p. 202. Webster, 1977, p. 130.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Arkansas

*Perimestocrinus topekensis* (Moore, 1939) = *Triceracrinus topekensis*

?*Perimestocrinus* sp. indet. Bowsher and Strimple, 1986, p. 19, Figs. 68, nos. a-f (labeled as ?*Pirasocrinus* sp. indet. on figure explanation). Webster, 1993, p. 87.

Pennsylvanian, Desmoinesian?, Goble Formation. United States, New Mexico

*Perimestocrinus* spp.

*Peremistocrinus* sp. Strimple, 1948a, p. 115, Pl. 10, figs. 2-14 (sic). Webster, 1973, p. 203.

Pennsylvanian, Missourian, Dewey Limestone. United States, Oklahoma  
Strimple, 1972d, p. 147, Fig. 1, nos. a-c. Webster, 1977, p. 131.

Pennsylvanian, Desmoinesian, Savanna Formation. United States, Oklahoma

**PERIPTEROCRINUS** Wanner, 1916. \**Thalassocrinus gracilis* Wanner, 1916.

Classification uncertain. Monocyclic, possibly an advanced dichocrinid (GDW)  
Wanner, 1916b, p. 200. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 603.  
Branson, C. C., 1948, p. 206. Moore and Teichert, 1978, p. T928  
(unrecognizable form).

*THALASSOCRINUS* Wanner, 1916a, p. 311. Bassler, 1938, p. 183. Bassler and  
Moodey, 1943, p. 603.

Named, currently recognized species based on cups or crowns: 1 Permian species,  
series uncertain

Permian, series uncertain. West Timor

\**Peripterocrinus gracilis* (Wanner, 1916b). Wanner, 1924, p. 318. Bassler, 1938, p.  
150. Bassler and Moodey, 1943, p. 603. Branson, C. C., 1948, p. 206.

*Thalassocrinus gracilis* Wanner, 1916a, p. 311, Pl. 111 (16), fig. 12; Fig. 88.

Bassler, 1938, p. 150, 183. Bassler and Moodey, 1943, p. 603. Branson, C. C.,  
1948, p. 206. Moore and Teichert, 1978, p. T928 (unrecognizable form).

Permian, series uncertain. West Timor, Basleo

*PERISCHODOMUS* Tornquist, 1894 = **ADELOCRINUS**

*Perischodomus magnus* Tornquist, 1894 = *Adelocrinus hystrix*

*PERISSOCRINUS* Goldring, 1936 = **BACTROCRINITES**

*Perissocrinus papillatus* Goldring, 1936 = *Bactocrinites fieldi*

**PERITTOCRINUS** Jaekel, 1902. \**Porocrinus radiatus* Beyrich, 1879.

Sbc. Aethocrinea, O. Aethocrinida, F. Perittocrinidae

Jaekel, 1902, p. 1092. Jaekel, 1918, p. 21. Yakovlev, 1918, p. 26. Abel, 1924, p.  
277, Fig. 412, no. C. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 604.

Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 750. Xu, 1962, p. 45, 50,

Fig.

1. Ubaghs, 1971, p. 329, Figs. 3, no. c; 4, no. a. Webster, 1973, p. 203.

Webster

1977, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T213, Fig. 182, no. 2.

Sprinkle and Lane *in* Moore and Teichert, 1978, p. T563. Webster, 1986, p. 246.

Rozhnov, 1988, p. 67. Rozhnov, 1989, p. 62. Webster, 1993, p. 87. Ausich,

1998a, p. 507. Rozhnov, 2002, p. S538, Fig. 10.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darwillian species

Ordovician, Darriwilian. Europe, Russia

\**Perittocrinus radiatus* (Beyrich, 1879). Jaekel, 1902, p. 1004, Fig. 27. Jaekel, 1918, p.  
47, Fig. 36. Abel, 1920, p. 265, Fig. 412. Abel, 1924, p. 277, Fig. 412, unnum.

upper. Bassler and Moodey, 1943, p. 604. Ubaghs, 1971, p. 329, Pls. 1, figs. 1-

2;

2, fig. 1; Figs. 1, nos. a-b; 3, no. c. Webster, 1977, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T212, Fig. 181. Sprinkle and Lane *in* Moore and Teichert, 1978, p. T563. Webster, 1986, p. 246. Donovan, 1988c, p. 237. Webster, 1993, p. 87. Ausich, 1998a, p. 507, Fig. 8k, no. 1. Rozhnov, 2002, p. S548, Fig. 20, no. a. Rozhnov, 2007a, p.264, Figs. 2, nos. a-g; 4, top.  
*Porocrinus radiatus* Beyrich, 1879, p. 61, Unnum. Fig. Zittel, 1895, p. 155, Fig. 304, no. b. Steinmann, 1903, p. 180, Fig. 250, no. C. Steinmann, 1907, p. 201, Fig. 285, no. C. Gurich, 1908, p. 44, Fig. 8. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 604.  
 Ordovician, Darriwilian (Llanvirnian), Kunda Limestone. Russia

*Perittocrinus transitor* Jaekel, 1918 = *Tetracionocrinus transitor*

*Perittocrinus* sp. 1 Rozhnov, 2007a, p. 265, Fig. 2, no. h.  
 Ordovician, Dapingian, Kunda Stage. Russia

*Perittocrinus* sp. 2 Rozhnov, 2007a, p. Figs. 2, nos. i-m; 3, nos. a-c. .  
 Ordovician, Darriwilian, upper part of Volkhov Horizon. Russia

*Perittocrinus* spp.

Ubaghs, 1953, p. 691, Fig. 33, no. a. Webster, 1973, p. 203.  
 Ordovician. Russia

Rozhnov, 2007a, p. Fig. 4, middle and bottom.

Middle Ordovician, Darriwilian, upper part of Volkhov Horizon. Russia

**PERMIOCRINUS** Wanner, 1949. \**P. immaturus* Wanner, 1949.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Graphiocrinidae

Wanner, 1949a, p. 53. Webster, 1973, p. 203. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T708. Webster, 1986, p. 246.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Permioocrinus immaturus* Wanner, 1949a, p. 53, Pl. 3, figs. 29-30; Fig. 16. Webster, 1973, p. 203. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T708, Fig. 465, no. 1. Webster, 1986, p. 246.

Permian, series uncertain. West Timor

**PERMOBRACHYPUS** Moore and Strimple, 1973. \**Brachypus adhaerens* Wanner, 1929.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Palaeoholopodidae

Moore and Strimple, 1973, p. 15. Webster, 1977, p. 131. Moore *in* Moore and Teichert, 1978, p. T789. Webster, 1986, p. 246.

**BRACHYPUS** Wanner, 1929, p. 319, (*non* Von Meyer, 1814; *non* Swainson, 1824; *non* Meigen, 1824; *non* Schoenherr, 1825; *non* Gray, 1825; *non* Fitzinger, 1826; *non* Guilding, 1828). *B. adhaerens* Wanner, 1929. Wanner, 1930, p. 46.

Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 339. Moore and Laudon, 1943b, p. 76. Branson, C. C., 1948, p. 182. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Moore and Strimple, 1973, p. 15. Webster, 1973, p. 70. Webster, 1977, p. 131. Moore *in* Moore and Teichert, 1978, p. T789.  
 Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain  
 Permian, series uncertain. West Timor

\**Permobrachypus adhaerens* (Wanner, 1929). Moore and Strimple, 1973, p. 15. Moore *in* Moore and Teichert, 1978, p. T789, Figs. 525, no. 4; 526, no. 2. Webster, 1986, p. 247.

*Brachypus adhaerens* Wanner, 1929, p. 320, Pl. 8, figs. 6-9. Wanner, 1930, p. 49, Pl. 4, figs. 9-12, Fig. 29. Bassler, 1938, p. 54. Bassler and Moodey, 1943, p. 339. Branson, C. C., 1948, p. 182. Ubaghs, 1953, p. 756, Fig. 137. Yakovlev, 1964b, p. 69, Fig. 101. Moore and Strimple, 1973, p. 15. Webster, 1973, p. 70. Webster, 1977, p. 131.

Permian, series uncertain. West Timor, Basleo

**PERNEROCRINUS** Bouska, 1946. \**P. paradoxus* Bouska, 1946.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae  
 Bouska, 1946a, p. 14. Bouska, 1946b, p. 18. Ubaghs, 1953, p. 750. Arendt and Hecker, 1964, p. 84. Bates, 1972, p. 326. Webster, 1973, p. 203. Webster, 1977, p. 131. Lane and Moore *in* Moore and Teichert, 1978, p. T593. Webster, 1986, p.

247. Minoura, 1987, p. 338. Webster, 1993, p. 88.

*Ohnopora* Minato and Minoura, 1977, p. 559. \**O. hayasakai* Minato and Minoura, 1977. Minoura, 1987, p. 338.

Named, currently recognized species based on cups or crowns: 4 Devonian species, 1 Pragian, 3 Pragian or Emsian

Early Devonian, Pragian - Emsian. Czech Republic; Japan; Australia

*Pernerocrinus discus* Bates, 1972, p. 328, Pls. 57; 58, figs. 1, 3, 5-9; Figs. 1, no. 6; 7, nos. A-B. Webster, 1977, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T161, Fig. 133, nos. 1-2. Webster, 1986, p. 247.

Early Devonian, late Pragian or early Emsian, Lilydale Limestone. Australia, Victoria

*Pernerocrinus hayasakai* (Minato and Minoura, 1977). Minoura, 1987, p. 339, Pls. 1, figs. 1-3; 3, fig. 1; Figs. 1, nos. a-c; 3, no. a; 4, nos. a-d.

*Ohnopora hayasakai* Minato and Minoura, 1977, p. 560, Pl. 1-8; Fig. 2. Kato and Minato *in* Minato *et al.*, 1979, p. 63, Pls. 8-9. Minoura, 1987, p. 339.

*Ohnopora* sp. Minato *et al.*, 1979, p. 62, Pls. 8, figs. 1-4; 9. Minato, *et al.*, 1982, p. 773. Minoura, 1987, p. 339.

*Ohnopora* sp. Minato *et al.*, 1982, p. 773, Pl. 1, fig. 1 (non figs. 2-4).

Devonian, Pragian – early Emsian, Ohno Formation. Japan

\**Pernerocrinus paradoxus* Bouska, 1946a, p. 14, Pls. 3, figs. 1-4b; 4, figs. 1-2; Fig. 6 (only). Bouska, 1946b, p. 19, Pl. 3, figs. 1-4b; 4, figs. 1-2; Fig. 6. Ubaghs, 1953,



- p. 750, Fig. 84. Yakovlev, 1964b, p. 62, Fig. 78. Bates, 1972, p. 326. Webster, 1973, p. 203. Webster, 1977, p. 131. Lane and Moore *in* Moore and Teichert, 1978, p. T593, Fig. 382, no. 2. Webster, 1986, p. 247. Prokop and Petr, 1990, p. 36, 37, Pl. 7. Webster, 1993, p. 88.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia
- Pernerocrinus paradoxus* Bouska, 1946 (part) = Crinoidearum ordo, fam., gen. et sp. ind.
- Pernerocrinus perforatus* Minoura, 1987, p. 341, Pl. 2, figs. 1-3; Figs. 2, nos. a-b; 3, nos. b-c; 4, no. e.  
*Ohnopora* sp. Minato et al., 1982, p. 773, Pl. 1, figs. 2-4 (non fig. 1). Minoura, 1987, p. 341.  
Devonian, Pragian – Emsian, Ohno Formation. Japan
- Pernerocrinus?* sp. indet. Bouska, 1946 = Crinoidea gen. et sp. nov.
- Pernerocrinus* spp.  
Bates, 1972, p. 329, Pl. 58, figs. 2, 4; Fig. 7, no. C. Webster, 1977, p. 131.  
Early Devonian, late Siegenian or early Emsian, Lilydale Limestone. Australia, Victoria  
Minoura, 1987, p. 344, Pl. 3, figs. 2a-2c; Fig. 4, no. f.  
Early Devonian, Ohno Formation. Japan
- PERUNOCRINUS** Prokop, 1986. \**P. brachialis* Prokop, 1986.  
Sbc. Camerata, O. Diplobathrida, F. Spyridiocrinidae  
Prokop, 1986, p. 351. Webster, 1993, p. 88.  
Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Pragian, 1 Emsian  
Devonian, Pragian - Emsian. Czech Republic
- \**Perunocrinus brachialis* Prokop, 1986, p. 352, Pls. 3, figs. 5-6; 4, figs. 1-2. Prokop and Petr, 1990, p. 18, Pl. 1, figs. 1-2. Webster, 1993, p. 88.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic
- Perunocrinus spinosus* Prokop, 1986, p. 353, Pl. 4, figs. 3-7; Fig. 1. Prokop and Petr, 1990, p. 46. Webster, 1993, p. 88.  
Devonian, Emsian (Zlichovian), Zlichov Formation, Chapel Horizon. Czech Republic
- PETALAMBICRINUS** Strimple, 1976. \**P. craddocki* Strimple, 1976.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Exocrinidae  
Strimple, 1976b, p. 867. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T751. Webster, 1986, p. 247.  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species  
Pennsylvanian, Missourian. United States, Texas

\**Petalambicrinus craddocki* Strimple, 1976b, p. 867, Pl. 1, figs. 1-4. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T751. Webster, 1986, p. 247.  
Pennsylvanian, Missourian, Graford Formation, Wolf Mountain Shale Member.  
United States, Texas

**PETALOCRINUS** Weller and Davidson, 1896. \**P. mirabilis* Weller and Davidson, 1896.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Petalocrinidae  
Weller and Davidson, 1896, p. 166. Miller, S. A., 1897, p. 749. Weller, S., 1898d, p. 700. Bather, 1898a, p. 401. Bather *in* Lankester, 1900, p. 175. Springer *in* Zittel, 1913, p. 217. Bassler, 1915, p. 959. Thomas, A. O., 1916, p. 289. Abel, 1924, p. 278. Springer, 1926a, p. 126. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 604. Moore and Laudon, 1943b, p. 50, Fig. 4. Moore and Laudon, 1944, p. 153. Cuénot, 1948, p. 64. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 750, Fig. 85. Tien and Mu, 1955, p. 91, Figs. 31-32. Moore and Jeffords, 1968, p. 16, Fig. 5, no. 2. Webster, 1973, p. 203. Witzke, Frest, and Strimple, 1976, p. 125, Fig. 4. Webster, 1977, p. 131. Lane and Moore *in* Moore and Teichert, 1978, p. T594. Prokop, 1983, p. 187. Webster, 1986, p. 248. Mu and Lin, 1987, p. 3. Webster, 1988, p. 127. Chen and Yao, 1993, p. 60. Webster, 1993, p. 88. Fearnhead and Donovan, 2007a, p. 909. Fearnhead and Harper, 2007, p. 70. Donovan et al., 2010, p. 75.

Named, currently recognized species based on cups or crowns: 18

Silurian species, 12 Llandoveryan, 3 Wenlockian, 3 Niagaran  
Silurian, early Llandoveryan. China  
Silurian, Wenlockian. Europe  
Silurian, Llandoveryan - Niagaran. United States

*Petalocrinus angustus* Bather, 1898a, p. 425, Pl. 25, figs. 26-32. Bassler and Moodey, 1943, p. 604.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Petalocrinus bifidus* Donovan and Fearnhead *in* Fearnhead and Donovan, 2007a, p. 910, Figs. 3-4. Donovan et al., 2008a, p. 43, Fig. 7, no. 1. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 3. Donovan et al., 2010, p. 75, Pls. 19, figs. 1-3; 20, figs. 1-3.

*Petalocrinus* sp. nov. Donovan and Harper, 2003. Fearnhead and Donovan, 2007a, p. 910.

*Petalocrinus* sp. Fearnhead and Donovan, 2007a, p. 910.

Silurian, Llandovery, *Petalocrinus* Limestone. United Kingdom, Scotland  
Silurian, late Llandovery, Telychian, Haugh Wood Formation. United Kingdom

*Petalocrinus chiai* Mu, 1950, p. 95, Figs. 3, nos. 7-9; 11. Webster, 1973, p. 203. Mu and Wu, 1974, p. 209, Pl. 97, figs. 9-11. Webster, 1986, p. 247. Mu and Lin, 1987, p. 8, Pl. 1, figs. 3-6: Fig. 1. Webster, 1993, p. 88.

Silurian, early Llandoveryan, Leichiati'un Group, Shihniulan Limestone;  
Xiangshuyuan Formation. China, Keuichou, Wuch'uan, Guizhou and Shihch'ien Provinces

*Petalocrinus eximius* Mu and Wu, 1974, p. 209, Pl. 97, figs. 28-32. Webster, 1986, p. 247. Mu and Lin, 1987, p. 9, Pls. 3, figs. 1-5; 8, figs. 1, 10, 21. Webster, 1993, p. 88.

Silurian, early Llandoveryan, Leichiat'un Group; Xiangshuyuan Formation. China, Keuichou and Guizhou Provinces

*Petalocrinus expansus* Bather, 1898a, p. 434, Pl. 25, figs. 33-36; Figs. 13-14. Bassler and Moodey, 1943, p. 604.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Petalocrinus guizhouensis* Mu and Lin, 1987, p. 10, Pls. 4, figs. 6-11; 8, figs. 8, 11, 27. Webster, 1993, p. 88.

Silurian, early Llandoveryan, Xiangshuyuan Formation. China, Guizhou

*Petalocrinus inferion* Bather, 1898 = *Petalocrinus inferior*

*Petalocrinus inferior* Bather, 1898a, p. 426, Pl. 26, fig. 57; Fig. 10. Bassler, 1915, p. 959. Springer, 1926a, p. 127, Pl. 26, figs. 15-16. Moore, 1939b, p. 243, Fig. 13, no. 7 (arm). Bassler and Moodey, 1943, p. 604. Mu, 1950, p. 94, Figs. 3, nos. 1-3; 12. Tien and Mu, 1955, p. 91, Pl. 48, figs. 6-8. Webster, 1973, p. 203; **1977**, p. 132. Lane and Moore *in* Moore and Teichert, 1978, p. T594, Fig. 383, nos. 1a-1b. Brett, 1984, p. 104, Fig. 12, nos. A-B. Webster, 1986, p. 247. Mu and Lin, 1987, p. 7, Pls. 1, figs. 1-2; 8, fig. 2. Webster, 1988, p. 128. Webster, 1993, p. 88. Kendrick, 2007, p. 346, Fig. 9, no. 1.

*Petalocrinus inferion* Bather, 1898. Wang *et al.*, 1956, p. 316, 3 Unnum. Figs., brachials.

Silurian, early Llandoveryan, Laurel Limestone; Hopkinton Dolomite; Cedarville Limestone; Shihniulan Limestone; Xiangshuyuan Formation; Luoreping Bed. United States, Indiana, Iowa, Ohio; China, Kueichou, Guizhou, Sichuan, Hubei Provinces

*Petalocrinus inflatus* Mu, 1950, p. 94, Figs. 2; 3, nos. 4-6; 10, 13. Tien and Mu, 1955, p. 92, Pl. 48, figs. 9-11. Wang *et al.*, 1956, p. 317, 3 Unnum Figs. Webster, 1973, p. 203. Webster, 1977, p. 132. Mu and Lin, 1987, p. 8, Pls. 1, figs. 7-9; 8, fig. 18. Webster, 1993, p. 88.

Silurian, early Llandoveryan, Shihniulan Limestone; Xiangshuyuan Formation. China, Kueichou and Guizhou Provinces

*Petalocrinus involucrus* Mu and Wu, 1974, p. 209, Pl. 97, figs. 25-27. Webster, 1986, p. 248. Mu and Lin, 1987, p. 9, Pls. 2, figs. 8-10; 8, fig. 20. Webster, 1993, p. 88.

Silurian, early Llandoveryan, Leichiat'un Group; Xiangshuyuan Formation. China, Kueichou and Guizhou Provinces

*Petalocrinus latus* Mu and Lin, 1987, p. 9, Pl. 4, figs. 3-4. Webster, 1993, p. 89.

Silurian, early Llandoveryan, Xiangshuyuan Formation. China, Guizhou

- Petalocrinus longus* Bather, 1898a, p. 431, Pl. 26, figs. 58-65; Figs. 11-12. Bassler, 1915, p. 959. Bassler and Moodey, 1943, p. 604.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Petalocrinus magnus* Mu and Lin, 1987, p. 10, Pl. 4, fig. 5. Webster, 1993, p. 89.  
Silurian, early Llandoveryan, Xiangshuyuan Formation. China, Guizhou
- Petalocrinus? major* Weller, S., 1896, p. 170, Pl. 6, fig. 1 (a coral, *Omphyra*, according to Weller). Miller, S. A., 1897, p. 749. Bassler, 1915, p. 959. Bassler and Moodey, 1943, p. 604.  
Silurian, Niagaran. United States, Iowa
- \**Petalocrinus mirabilis* Weller and Davidson, 1896, p. 167, Pl. 6, fig. 2-5; Unnum. Fig. Miller, S. A., 1897, p. 749. Weller, S., 1900, p. 19, Fig. 4. Delage and Herouard, 1903, p. 381. Bassler, 1915, p. 959. Thomas, A. O., 1916, p. 289, Pl. 32, figs. 28-30. Abel, 1920, p. 256, Fig. 395. Abel, 1924, p. 278. Springer, 1926a, p. 126, Pl. 26, figs. 12-14. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 604. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 8. Moore and Laudon, 1944, p. 153, Pl. 54, fig. 31. Cuénot, 1948, p. 64, Fig. 82. Mu, 1950, p. 93, Fig. 1. Ubaghs, 1953, p. 750, Fig. 85, nos. a-b, d. Norford, 1962, p. 25, Pl. 4, figs. 25-27. Yakovlev, 1964b, p. 62, Fig. 77. Rose, 1967, p. 14, Pl. 8, fig. 5. Webster, 1973, p. 203. Webster, 1977, p. 131. Ubaghs *in* Moore and Teichert, 1978, p. T143, Fig. 113, no. 3. Lane and Moore *in* Moore and Teichert, 1978, p. T594, Fig. 383, nos. 1c-1e. Brett, 1984, p. 104, Fig. 12, no. C. Webster, 1986, p. 248. Webster, 1988, p. 128. Chen and Yao, 1993, p. 60, Pl. 6, fig. 8. Fearnhead and Donovan, 2007a, p. 910, Fig. 5. Prokop and petr, 2010, p. 147, Fig. 1.  
Silurian, Niagaran, Hopkinton Dolomite, Caralline Member. United States, Iowa; Canada, British Columbia; China, Yunnan Province
- Petalocrinus sinensis* Mu and Wu, 1974, p. 209, Pl. 97, figs. 17-24. Webster, 1986, p. 248. Mu and Lin, 1987, p. 9, Pls. 2, figs. 4-7; 8, figs. 9, 12. Webster, 1993, p. 89.  
Silurian, early Llandoveryan, Lojep'ing Group; Xiangshuyuan Formation. China, Hupeh and Guizhou Provinces
- Petalocrinus tenuis* Mu and Lin, 1987, p. 10, Pl. 4, figs. 1-2. Webster, 1993, p. 89.  
Silurian, early Llandoveryan, Xiangshuyuan Formation. China, Guizhou
- Petalocrinus validus* Mu and Wu, 1974, p. 209, Pl. 97, figs. 12-16. Webster, 1986, p. 248. Mu and Lin, 1987, p. 8, Pls. 1, fig. 10; 2, figs. 1-3; 8, figs. 3, 6-7, 19, 24, 26. Webster, 1993, p. 89.  
Silurian, early Llandoveryan, Leichiat'un Group; Xiangshuyuan Formation. China, Kueichou Province
- Petalocrinus visbycensis* Bather, 1898a, p. 421, Pl. 25, figs. 1-25; Figs. 4, 6, 9. Bassler and Moodey, 1943, p. 604. Ubaghs, 1953, p. 750, Fig. 85, no. c. Webster, 1973, p. 203. Ubaghs *in* Moore and Teichert, 1978, p. T153, T168, Figs. 124, no. 4; 139, no. 8. Webster, 1986, p. 248. Fearnhead, 2008, p. 50, Fig. 2, no. C.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Petalocrinus* sp. cf. *P. visbycensis* Bather, 1898. Fearnhead and Harper, 2007, p. 71, Fig. 1, nos. A-E. Donovan et al., 2010, p. 77, Fig. 31.  
Silurian, early Llandoveryan, Mulloch Hill Sandstone Formation. United Kingdom, Scotland

*Petalocrinus* spp.  
Frest and Strimple, 1977e, p. 1187, Fig. 2. Webster, 1986, p. 248.  
Silurian, Wenlockian, Laurel Limestone. United States, Indiana

*Petalocrinus* sp. Fearnhead and Donovan, 2007a = *Petalocrinus bifidus*

*Petalocrinus* sp. nov. Donovan and Harper, 2003 = *Petalocrinus bifidus*

*Petalocrinus?* sp. Pinna, 1963, p. 108, Fig. 2, no. 4. Webster, 1973, p. 203.  
Silurian, Wenlockian, Woolhope Limestone. United Kingdom

*Petschoracrinus* Lane et al., 1996 = ?*Paragassizocrinus* sp.

**PETINOCRINUS** Hall, 1859. Bather, 1900, p. 203. Bassler, 1938, p. 150 (citation error by Bather, 1900).

Petit calice avec de longs bras Waagen and Jahn, 1899 = ?*Pisocrinidae* gen. et sp. ind.

**PETROCRINUS** Wanner, 1924. \**P. beyrichi* Wanner, 1924.  
Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae  
Wanner, 1924, p. 92. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 605.  
Moore and Laudon, 1943b, p. 76. Branson, C. C., 1948, p. 206. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 203. Moore in Moore and Teichert, 1978, p. T782, Figs. 506, no. 2d. Webster, 1986, p. 248.  
Named, currently recognized species based on cups or crowns: 3 Permian species, series uncertain  
Permian, series uncertain. West Timor

\**Petrocrinus beyrichi* Wanner, 1924, p. 93, Pl. 4, fig. 1; Fig. 1. Wanner, 1930, p. 13, Pl. 1, figs. 1- 5; Fig. 3. Wanner, 1937, p. 92, Pl. 8, figs. 16-24. Bassler, 1938, p. 150. Bassler and Moodey, 1943, p. 605. Branson, C. C., 1948, p. 206. Moore in Moore and Teichert, 1978, p. T782, Figs. 521, no. 1; 523, no. 2. Webster, 1986, p. 248.  
Permian, series uncertain. West Timor, Basleo

*Petrocrinus boschi* Marez Oyens, 1940a, p. 306, Pl. 2, fig. 6; Fig. 5. Bassler and Moodey, 1943, p. 604. Branson, C. C., 1948, p. 206.  
Permian, series uncertain. West Timor, Basleo

*Petrocrinus kukaensis* (Wanner, 1916). New Combination

*Basleocrinus? kukaensis* Wanner, 1916, p. 217, Pl. 109 (14), fig. 2. Bassler and Moodey, 1943, p. 320. Branson, C. C., 1948, p. 207.  
Permian, series uncertain. West Timor

**PETSCHORACRINUS** Yakovlev, 1928. \**P. variabilis* Yakovlev, 1928.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Agassizocrinidae

Yakovlev, 1928a, p. 5. Yakovlev, 1930b, p. 27. Yakovlev, 1937b, p. 129. Bassler, 1938, p. 150. Yakovlev, 1939e, p. 832. Yakovlev, 1939f, p. 832. Bassler and Moodey, 1943, p. 604. Moore and Laudon, 1943b, p. 62. Yakovlev, 1947d, p. 43, Figs. 5-6. Branson, C. C., 1948, p. 207. Yakovlev, 1956a, p. 78, Figs. 25-26. Yakovlev, 1958, p. 63, Figs. 25-26. Yakovlev, 1964a, p. 74, Figs. 27-28. Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 203. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T684. Etensohn, 1984, p. 66, Fig. 1. Webster, 1986, p. 248. Webster, 1988, p. 128.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Early Permian, Artinskian. Russia, Arctic Urals

*Petschoracrinus tarri* (Strimple, 1939), Yakovlev, 1939 = *Paragassizocrinus tarri*

\**Petschoracrinus variabilis* Yakovlev, 1928b, p. 5, Pl. 2, figs. 4-6. Bassler, 1938, p. 150. Yakovlev, 1939b, p. 62, Pl. 10, figs. 15-18; Fig. 15. Bassler and Moodey, 1943, p. 604. Branson, C. C., 1948, p. 207. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 79, Pl. 15, figs. 2-15, 17. Arendt and Hecker, 1964, p. 91, Pl. 13, figs. 2-5. Webster, 1973, p. 203. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T684, Fig. 450, no. 1. Webster, 1986, p. 248.

Early Permian, Artinskian. Russia, Arctic Urals

*Petschoracrinus* sp. Lane *et al.*, 1996, p. 125, Fig. 4.15.

Pennsylvanian, Moscovian, Qijagou Formation. China, Xinjiang-Uygar Autonomous Region

*Petschoracrinus?* sp. Webster and Lane, 1967, p. 21, Pl. 3, figs. 7-8. Webster, 1973, p. 203.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

**PHACELOCRINUS** Kirk, 1940. \**Poteriocrinus wetherbyi* Miller, 1879.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Kirk, 1940c, p. 329. Bassler and Moodey, 1943, p. 605. Moore and Laudon, 1943b, p. 59. Moore and Laudon, 1944, p. 171. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 204. Burdick and Strimple, 1971a, p. 34. Strimple and Moore, 1971a, p. 6. Moore and Strimple, 1973, p. 44. Webster, 1977, p. 132. Moore and Strimple *in* Moore and Teichert, 1978, p. T647. Burdick and Strimple, 1983a, p. 94. Webster, 1986, p. 249. Chestnut and Etensohn, 1988, p. 38, Fig. 10. Webster, 1988, p. 128. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p.

89.

Named, currently recognized species based on cups or crowns: 8 species.  
 6 Mississippian, 1 Meramecian, 1 Meramec – Chester, 4 Serpukhovian;  
 2 Pennsylvanian, 2 Morrowan  
 Mississippian, Tournaisian. United Kingdom; Ireland  
 Mississippian, Meramecian - Pennsylvanian, Morrowan. United States

*Phacelocrinus bisselli* (Worthen, 1873). Kirk, 1940c, p. 329. Bassler and Moodey, 1943, p. 605. Chestnut and Ettensohn, 1988, p. 39. Webster, 1993, p. 89.  
*Poteriocrinites bisselli* Worthen in Meek and Worthen, 1873, p. 546, Pl. 21, fig. 4. Weller, S., 1898c, p. 558. Bassler and Moodey, 1943, p. 605.  
*Poteriocrinus bisselli* (Worthen, 1873). Miller, S. A., 1889, p. 273.  
*Poteriocrinus (Scytalocrinus) bisselli* (Worthen, 1873). Wachsmuth and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 605.  
*Scytalocrinus bisselli* (Worthen, 1873). Weller, S., 1898c, p. 558.  
*Scytalocrinus wachsmuthi* Wetherby, 1880b, p. 155, Pl. 5, fig. 4. Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 560. Bassler and Moodey, 1943, p. 606. Chestnut and Ettensohn, 1988, p. 39. Webster, 1993, p. 89.  
*Phacelocrinus wachsmuthi* (Wetherby, 1880). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Chestnut and Ettensohn, 1988, p. 39. Webster, 1993, p. 89.  
 Mississippian, Serpukhovian (Chesterian), Glen Dean Formation; Pennington Formation, Sloans Vally Member. United States, Illinois, Kentucky

*Phacelocrinus brevis* Moore and Strimple, 1973, p. 44, Pl. 3, figs. 5a-5b. Webster, 1977, p. 132.  
 Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Member. United States, Oklahoma

*Phacelocrinus columbiensis* (Worthen, 1882) = *Aphelecrinus columbiensis*

*Phacelocrinus dactyliformis* (Hall, 1858). Kirk, 1940c, p. 329. Bassler and Moodey, 1943, p. 605. Moore and Laudon, 1944, p. 171, Pl. 60, fig. 7. Webster, 1973, p. 204.  
*Poteriocrinus (Scaphiocrinus) dactyliformis* Hall, 1858c, p. 670, Pl. 17, fig. 6; Fig. 105. Bassler and Moodey, 1943, p. 605.  
*Scaphiocrinus dactyliformis* (Hall, 1858). Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Keyes, 1894a, p. 211, Pl. 26, fig. 2. Weller, S., 1898c, p. 542. Bassler and Moodey, 1943, p. 605.  
 Mississippian, Viséan (Meramecian). St. Louis Limestone. United States, Missouri

*Phacelocrinus decabrachiatus* (Hall, 1858). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Moore and Laudon, 1944, p. 171, Pl. 60, fig. 6. Webster, 1973, p. 204.  
*Poteriocrinus (Scaphiocrinus) decabrachiatus* Hall, 1858c, p. 679, Pl. 25, fig. 1. Bassler and Moodey, 1943, p. 606.

*Poteriocrinus (Scytalocrinus) decabrachiatus* Hall, 1858. Wachsmuth and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 606.  
*Scaphiocrinus decabrachiatus* (Hall, 1858). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 558.  
*Scytalocrinus decabrachiatus* (Hall, 1858). Weller, S., 1898c, p. 558.  
 Mississippian, Viséan Serpukhovian (Chesterian), Glen Dean Limestone; Gasper Formation; Ste. Genevieve Limestone; Renault Formation. United States, Illinois, Kentucky, Alabama

*Phacelocrinus gracilis* (Troost, 1909) = *Phacelocrinus longidactylus*

*Phacelocrinus internodius* (Hall, 1858). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Moore and Laudon, 1944, p. 171, Pl. 60, fig. 16. Webster, 1973, p. 204.

*Poteriocrinus (Scaphiocrinus) internodius* Hall, 1858c, p. 679, Pl. 25, fig. 2; Fig. 107. Bassler and Moodey, 1943, p. 606.

*Scaphiocrinus internodius* (Hall, 1858). Worthen, 1882, p. 17. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 544.

Mississippian, Viséan (Chesterian), ?Ste. Genevieve Limestone. United States, Illinois

*Phacelocrinus longidactylus* (McChesney, 1860). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Horowitz, 1965, p. 28, Pl. 2, fis. 19-21. Webster, 1973, p. 204. Burdick and Strimple, 1983a, p. 96, Pl. 21, figs. 2, 4, 7-8, 10-12, 15, 17, 19. Chestnut and Etensohn, 1988, p. 38, Pl. 2, figs. 11-15; Fig. 21. Webster, 1988, p. 128. Webster, 1993, p. 89. Kammer and Springer, 2008, p. 1184, Figs. 4.9-4.10. Ausich, 2009a, kp. 486, suppl. p. 38.

*Scaphiocrinus longidactylus* McChesney, 1860, p. 7. McChesney, 1865, Pl. 4, fig. 4. McChesney, 1868, p. 4, Pl. 4, fig. 4. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 558. Bassler and Moodey, 1943, p. 606.

*Agassizocrinites gracilis* Troost, 1850a, p. 62. Troost, 1850b, p. 420. Bassler and Moodey, 1943, p. 606. Chestnut and Etensohn, 1988, p. 38. Webster, 1993, p. 89.

*Agassizocrinus gracilis* (Troost, 1850). Shumard, 1868, p. 352. Miller, S. A., 1889, p. 221.

*Phacelocrinus gracilis* (Troost, 1850). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Burdick and Strimple, 1983a, p. 95, Pl. 13, figs. 1, 4. Chestnut and Etensohn, 1988, p. 38. Webster, 1988, p. 128. Webster, 1993, p. 89.

*Poteriocrinus wetherbyi* Miller, S. A., 1879, p. 36, Pl. 8, figs. 1a-1b. Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 560. Bassler and Moodey, 1943, p. 606. Chestnut and Etensohn, 1988, p. 38. Webster, 1993, p. 89.

*Poteriocrinus (Scytalocrinus) wetherbyi* Miller, 1879. Wachsmuth and Springer, 1880 (1879), p. 118 (341). Bassler and Moodey, 1943, p. 606.

*Scytalocrinus wetherbyi* (Miller, 1879). Weller, S., 1898c, p. 560.

*Phacelocrinus wetherbyi* (Miller, 1879). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Moore and Strimple in Moore and Teichert, 1978, p. T647, Fig. 422, no. 2a. Webster, 1986, p. 249.



*Scytalocrinus? gracilis* (Troost, 1850). Wood, E., 1909, p. 88, Pl. 11, fig. 9. Bassler and Moodey, 1943, p. 606. Chestnut and Etensohn, 1988, p. 38. Webster, 1993, p. 89.

*Encrinites* sp. Cumberland, 1821, p. 91 (part). Bassler and Moodey, 1943, p. 645. Mississippian, Viséan - Serpukhovian (Chesterian), Ste. Genevieve Formation; Pennington Formation; Glen Dean Limestone. United States, Alabama, Kentucky

*Phacelocrinus? pentagonus* Austin and Austin, 1843 = *Gaelicrinus pentagonus*

*Phacelocrinus rosei* (Moore and Plummer, 1938). Moore and Strimple, 1973, p. 44. Webster, 1977, p. 132.

*Hydriocrinus? rosei* Moore and Plummer, 1938, p. 239, Pls. 14, figs. 8a-8d; 16, Fig. 9; Fig. 6. Bassler and Moodey, 1943, p. 518. Moore and Strimple, 1973, p. 44. Webster, 1977, p. 132. Pabian and Strimple, 1985, p. 71.

*Hydriocrinus rosei* Moore and Plummer, 1938. Strimple, 1961f, p. 306. Webster, 1973, p. 153. Webster, 1988, p. 96.

*Pentanobathrum rosei* (Moore and Plummer, 1939). Moore, 1939b, p. 207. Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma

*Phacelocrinus rostratus?* (Austin and Austin); Wright, 1960 = *Gaelicrinus portlocki*

*Phacelocrinus rostratus* (Austin and Austin, 1843) = *Gaelicrinus rostratus*

?*Phacelocrinus rostratus* (Austin and Austin); Wright, 1951 (part) = *Gilmocrinus dactyloides*

*Phacelocrinus vanhornei* (Worthen, 1875). Kirk, 1940c, p. 330. Bassler and Moodey, 1943, p. 606. Moore and Laudon, 1944, p. 171, Pl. 60, fig. 5. Webster, 1973, p. 204.

*Poteriocrinus vanhornei* Worthen, 1875, p. 517, Pl. 31, figs. 2-3. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 606.

*Poteriocrinus (Scytalocrinus) vanhornei* Worthen, 1875. Wachsmuth and Springer, 1880 (1879), p. 118 (341). Bassler and Moodey, 1943, p. 606.

*Scytalocrinus vanhornei* (Worthen, 1875). Keyes, 1894a, p. 213, Pl. 26, fig. 3. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 606.

Mississippian, Viséan – Serpukhovian (Meramecian – Chesterian), St. Louis Limestone; Ste. Genevieve Limestone. United States, Illinois

*Phacelocrinus wachsmuthi* (Wetherby, 1880) = *Phacelocrinus bisselli*

*Phacelocrinus wetherbyi* (Miller, 1879) = *Phacelocrinus longidactylus*

*Phacelocrinus* sp. Burdick and Strimple, 1971a, p. 34, Pl. 6, fig. 8. Webster, 1977, p. 132.

Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois

*Phacelocrinus?* sp. Wright, J., 1960, p. 330, Appendix, Pl. 1, fig. 9. Webster, 1973, p. 204.

Mississippian, Viséan, S<sub>2</sub>. United Kingdom

*Phaneroocrinus* nov. sp. Pareyn, 1961 = *Scytalocrinus* sp. Webster et al., 2004

**PHANOOCRINUS** Kirk, 1937. \**Zeacrinus formosus* Worthen in Meek and Worthen, 1873.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Phanocrinidae

Kirk, 1937c, p. 602. Bassler, 1938, p. 151. Sutton and Winkler, 1940, p. 551. Bassler and Moodey, 1943, p. 606. Moore and Laudon, 1943b, p. 60, Fig. 8. Moore and Laudon, 1944, p. 171. Ubaghs, 1953, p. 677, Figs. 16g-16i. Moore, 1962b, p. 15, Fig. 10, no. 1. Arendt and Hecker, 1964, p. 90. Burdick and Strimple, 1969, p. 9. Knapp, 1969, p. 351, Fig. 1. Strimple and Watkins, 1969, p. 216. Strimple and Moore, 1973a, p. 2. Burdick and Strimple, 1973b, p. 237. Webster, 1973, p. 204. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 132. Moore and Strimple in Moore and Teichert, 1978, p. T692. Strimple and Coney, 1982, p. 991. Burdick and Strimple, 1983a, p. 54. Webster, 1986, p. 249. Chestnut and Etensohn, 1988, p. 47, Fig. 10. Webster, 1988, p. 128. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 89.

Named, currently recognized species based on cups or crowns: 17 species. 16 Mississippian, 7 Viséan, 9 Serpukhovian; 1 Permian, Wolfcampian

Mississippian, Viséan. United Kingdom, Scotland

Mississippian, Serpukhovian. Algeria

Mississippian, Serpukhovian (Chesterian); Permian, middle Wolfcampian. United States

*Phanocrinus alexanderi* Strimple, 1948 = *Phanocrinus parvaramus*

*Phanocrinus altus* Wright, J., 1942, p. 276, Pl. 12, figs. 11, 13-16. Wright, J., 1951b, p. 101, Pl. 17, figs. 2, 4. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 204. Webster, 1977, p. 132.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Phanocrinus ardrossensis* (Wright, 1934). Wright, J., 1939, p. 24, Pl. 5, figs. 7-8; Figs. 16-17. Bassler and Moodey, 1943, p. 607. Wright, J., 1951b, p. 97, Pl. 33, figs. 3-5, 7-12. Wright, J., 1952b, p. 324, Pl. 13, fig. 8. Wright, J., 1954b, p. 169, Pl. 3, fig. 4. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 132.

*Eupachyocrinus ardrossensis* Wright, 1934, p. 245, Pls. 13, figs. 9-10; 14, figs. 2, 8-9; Figs. 4-5. Bassler and Moodey, 1943, p. 607.

Mississippian, Viséan, Calciferus Sandstone Series, Ardross Limestone. United Kingdom, Scotland

*Phanocrinus bellulus* (Miller and Gurley, 1894) = *Phanocrinus manifoldis*

- Phanocrinus* sp. cf. *P. bellus* (Miller and Gurley, 1894). Strimple and Moore, 1973a, p. 3, Fig. 2, nos. 1-3. Webster, 1977, p. 133.  
Mississippian, Serpukhovian (Chesterian), Fraileys Shale Formation. United States, Illinois
- Phanocrinus calyx* (M'Coy, 1849). Wright, J., 1939, p. 22, Pl. 15, figs. 1-4. Bassler and Moodey, 1943, p. 607. Wright, 1951b, p. 94, Pls. 17, figs. 15, 21; 18, figs. 1-19, 22-23, 29; 33, figs. 6, 14. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 133.  
*Cupressocrinus calyx* M'Coy, 1849, p. 244. M'Coy, 1854, p. 105. Bather, 1916a, p. 69. Bassler and Moodey, 1943, p. 607.  
*Poteriocrinus calyx* (M'Coy, 1849). de Koninck and Le Hon, 1854, p. 90, Pl. 1, figs. 6a-6d.  
*Zeacrinus calyx* (M'Coy, 1849). Sladen, 1878, p. 249  
*Eupachycrinus? calyx* (M'Coy, 1849). Bather, 1916a, p. 69, Fig. 13. Wright, J., 1924, p. 276, Pl. 16, fig. 4. Wright, J., 1925, Pl. 29, fig. 4. Bassler and Moodey, 1943, p. 607.  
*Eupachycrinus calyx* (M'Coy, 1849). Wright, J., 1926, p. 145, Pls. 15; 17, figs. 4-5; Figs. 1-59. Bassler and Moodey, 1943, p. 607.  
Mississippian, Viséan, Lower Limestone Group: United Kingdom, Scotland
- Phanocrinus cavus* Burdick and Strimple, 1983a, p. 61, Pl. 19, figs. 1-16. Webster, 1988, p. 128.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Phanocrinus compactus* Sutton and Winkler, 1940 = *Pentaramicrinus compactus*
- Phanocrinus cooksoni* Laudon, 1941, p. 389, Pl. 56, fig. 6-7. Easton, 1942, p. 84, Pl. 4, fig. 1. Bassler and Moodey, 1943, p. 607. Burdick and Strimple, 1969, p. 9. Burdick and Strimple, 1973b, p. 237, Pl. 1, figs. 1-2, 5, 7, 9-10 (incorrectly given as Pl. 2, p. 237). Webster, 1977, p. 133.  
Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma, Arkansas
- Phanocrinus cylindricus* (Miller and Gurley, 1894) = *Phanocrinus maniformis*
- Phanocrinus* sp. cf. *P. cylindricus* (Miller and Gurley, 1894). Strimple and Moore, 1973a, p. 5, Fig. 3, nos. 1-3. Webster, 1977, p. 133.  
Mississippian, Serpukhovian (Chesterian), Fraileys Shale Formation. United States, Illinois
- Phanocrinus formosus* (Worthen, 1873) = *Phanocrinus maniformis*
- Phanocrinus* cf. *P. formosus* (Worthen, 1873). Horowitz, 1965, p. 32, Pl. 3, figs. 13-15. Webster, 1973, p. 205.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Formation. United States,

## Indiana

- Phanocrinus* sp. cf. *P. formosus* (Worthen in Meek and Worthen, 1873). Cornwell and Cornwell, 1968, Pl. 2, fig. 5. Webster, 1977, p. 133.  
Pennsylvanian. United States, Iowa
- Phanocrinus* sp. cf. *P. formosus* (Worthen in Meek and Worthen, 1873). Strimple and Moore, 1973a, p. 5, Fig. 4, nos. 1-3. Webster, 1977, p. 133.  
Mississippian, Serpukhovian (Chesterian), Fraileys Shale Formation. United States, Illinois
- Phanocrinus fragosus* Sutton and Winkler, 1940 = *Pentaramicrinus fragosus* = *P.* sp. cf. *P. altonensis*
- Phanocrinus gordonii* Wright, J., 1939, p. 26, Pl. 9, figs. 3-5, 20. Bassler and Moodey, 1943, p. 607. Wright, J., 1951b, p. 99, Pls. 17, figs. 6-9, 22-23; 19, figs. 11-12. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 133.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Phanocrinus gracilis* (Wetherby, 1880) = *Pentaramicrinus gracilis*
- Phanocrinus imoensis* Burdick and Strimple, 1973b, p. 238, Pls. 1, fig. 4; 2, figs. 9-10. Webster, 1977, p. 133.  
Mississippian, Serpukhovian (Chesterian), Imo Formation. United States, Alabama
- Phanocrinus inflatoramus* Sutton and Winkler, 1940 = *Pentaramicrinus inflatoramus* = *Phanocrinus maniformis*
- Phanocrinus? insolitus* Webster and Lane, 1967, p. 26, Pl. 5, figs. 4-5. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 134.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada
- Phanocrinus irregularis* Strimple, 1951e, p. 262, Figs. 5-9. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 134. Burdick and Strimple, 1983a, p. 61. Webster, 1988, p. 128.  
Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma
- Phanocrinus magnaradianalis* (Sutton and Winkler, 1940) = *Pentaramicrinus magnaradianalis* = *P. gracilis*

- \**Phanocrinus maniformis* (Yandell and Shumard, 1847). Sutton and Winkler, 1940, p. 554, Pl. 67, figs. 3-4. Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 134. Chestnut and Etensohn, 1988, p. 48, Pl. 5, figs. 1-8. Webster, 1993, p. 90. Kammer and Springer, 2008, p. 1186, Figs. 4.3-4.4. Ausich, 2009a, p. 486, suppl. p. 39.
- Cyathocrinus maniformis* Yandell and Shumard, 1847, p. 25, Unnum. Pl, fig. 2. Yandell and Shumard, 1868, p. 399. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 265. Bassler and Moodey, 1943, p. 608. Webster, 1993, p. 90.
- Zeacrinus maniformis* (Yandell and Shumard, 1847). Hall, 1858c, p. 682, Pl. 25, fig. 8. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 265. Bassler and Moodey, 1943, p. 608.
- Poteriocrinus maniformis* (Yandell and Shumard, 1847). Shumard, 1868, p. 399. Miller, 1889, p. 274.
- Eupachycrinus maniformis* (Yandell and Shumard, 1847). Keyes, 1894a, p. 217. Weller, S., 1898c, p. 265. Wood, E., 1909, p. 94, Pl. 11, fig. 4. Bassler and Moodey, 1943, p. 608.
- Cyathocrinites gracilis* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler and Moodey, 1943, p. 608.
- Pentaramicrinus inflatoramus* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 129. Burdick and Strimple, 1983a, p. 67, Pl. 7, figs. 1, 6. Chestnut and Winkler, 1988, p. 48. Webster, 1993, p. 90.
- Zeacrinus bellulus* Miller and Gurley, 1893, p. 34, Pl. 3, fig. 8. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 650. Bassler and Moodey, 1943, p. 607. Chestnut and Etensohn, 1988, p. 48. Webster, 1993, p. 90.
- Phanocrinus bellulus* (Miller and Gurley, 1893). Sutton and Winkler, 1940, p. 554, Pl. 66, figs. 6-7. Bassler and Moodey, 1943, p. 607. Burdick and Strimple, 1969, p. 9. Strimple and Moore, 1973a, p. 5, Fig. 3, no. 4. Webster, 1977, p. 132. Burdick and Strimple, 1983a, p. 64, Pls. 20, figs. 3, 6-15; 21, fig. 5. Webster, 1988, p. 128. Chestnut and Etensohn, 1988, p. 48. Webster, 1993, p. 90. Williams, 2009, unnumbered fig. p. 48.
- Scytalocrinus? bellulus* (Miller and Gurley, 1893). Sutton and Hagan, 1939, p. 83. Bassler and Moodey, 1943, p. 607. Chestnut and Etensohn, 1988, p. 48. Webster, 1993, p. 90.
- Phanocrinus cylindricus* (Miller and Gurley, 1894). Sutton and Hagan, 1939, p. 83. Sutton and Winkler, 1940, p. 553, Pl. 66, figs. 11-12. Bassler and Moodey, 1943, p. 607. Strimple, 1948b, p. 491, Pl. 77, fig. 7. Strimple, 1951g, p. 291, Fig. 11. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 133. Burdick and Strimple, 1983a, p. 58, Pl. 20, figs. 1-2, 4-5. Etensohn and Chesnut, 1985, p. 350, Fig. 10, no. g. Chestnut and Etensohn, 1988, p. 48. Webster, 1988, p. 128. Webster, 1993, p. 90.
- Zeacrinus cylindricus* Miller and Gurley, 1894b, p. 39, Pl. 3, figs. 19-21. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 607. Chestnut and Etensohn, 1988, p. 48. Webster, 1993, p. 90.

- Poteriocrinites (Zeacrinus) formosus* Worthen in Meek and Worthen, 1873, p. 549, Pl. 21, fig. 2. Bassler and Moodey, 1943, p. 607.
- Eupachycrinus formosus* (Worthen, 1873). Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 264.
- Zeacrinus formosus* (Worthen, 1873). Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 264. Bassler, 1938, p. 151. Chestnut and Ettensohn, 1988, p. 48. Webster, 1993, p. 90.
- \**Phanocrinus formosus* (Worthen in Meek and Worthen, 1873). Kirk, 1937c, p. 603, Pl. 84, figs. 1-2. Sutton and Winkler, 1940, p. 553, Pl. 68, figs. 17-19. Moore, 1939b, p. 246. Bassler and Moodey, 1943, p. 607. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 1. Moore and Laudon, 1944, p. 171, Pl. 65, fig. 32. Termier, G. and Termier, H., 1950, p. 90, Pl. 221, figs. 1-8. Burdick and Strimple, 1969, p. 9. Knapp, 1969, p. 351. Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 2. Webster, 1973, p. 205. Webster, 1977, p. 133. Moore and Strimple in Moore and Teichert, 1978, p. T692, Fig. 456, no. 2. Burdick and Strimple, 1983a, p. 59, Pl. 18, figs. 1-6, 8-9, 12-17. Webster, 1986, p. 249. Chestnut and Ettensohn, 1988, p. 48. Webster, 1988, p. 128. Webster, 1993, p. 90.
- Tetragonopterum formosus* (Worthen, 1873). Moore, 1939b, p. 246 (brachial).
- Phanocrinus inflatoramus* Sutton and Winkler, 1940, p. 555, Pl. 67, figs. 14-15. Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 4. Webster, 1977, p. 129. Chestnut and Ettensohn, 1988, p. 48. Webster, 1993, p. 90.
- Phanocrinus planus* Strimple and Moore, 1973a, p. 6, Fig. 6, nos. 1-6. Webster, 1977, p. 134. Chestnut and Ettensohn, 1988, p. 48. Webster, 1993, p. 90.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Bangor Limestone; Pennington Formation; Fraileys Shale Formation; Monteagle Limestone; Gasper Formation; Floyd Formation. United States, Kentucky, Illinois, Alabama, Indiana
- Mississippian, Serpukhovian. Algeria
- Phanocrinus modulus* Strimple, 1951 = *Pentaramicrinus modulus*
- Phanocrinus nitidus* (Miller and Gurley, 1894) = *Pentaramicrinus nitidus*
- Phanocrinus ornatus* Wright, J., 1951b, p. 98, Pls. 18, fig. 28; 19, figs. 14, 17. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 134. Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Phanocrinus parvaramus* Sutton and Winkler, 1940, p. 556, Pl. 67, figs. 9-10. Horowitz, 1965, p. 30, Pl. 3, figs. 1-3. Burdick and Strimple, 1969, p. 9. Strimple and Moore, 1973a, p. 2, Fig. 1, nos. 1-2. Webster, 1973, p. 205. Webster, 1977, p. 134. Chestnut and Ettensohn, 1988, p. 49. Webster, 1993, p. 90.
- Ageneracrinus parvabalis* Sutton and Winkler, 1940. Burdick and Strimple, 1969, p. 4. Webster, 1977, p. 134.
- Phanocrinus parviramus* Sutton and Winkler, 1940. Bassler and Moodey, 1943, p. 608.
- Phanocrinus alexanderi* Strimple, 1948b, p. 493, Pl. 77, figs. 1-6. Burdick and Strimple, 1969, p. 9. Knapp, 1969, p. 351, Fig. 4. Broadhead and Bagby, 1972,

- p. 27, Pl. 1, fig. 1. Webster, 1977, p. 132. Chestnut and Etensohn, 1988, p. 49. Webster, 1993, p. 90.  
Mississippian, Serpukhovian (middle - late Chesterian), Pennington Formation, Fayetteville Formation, Glen Dean Limestone. United States, Oklahoma, Kentucky, Georgia
- Phanocrinus parviramus* Sutton and Winkler, 1940 = *Phanocrinus parvaramus*
- Phanocrinus petalloformis* Sutton and Winkler, 1940 = *Pentaramicrinus petalloformis*
- Phanocrinus planus* Strimple and Moore, 1973 = *Phanocrinus maniformis*
- Phanocrinus sagillatus* Strimple and Coney, 1982, p. 991, Pl. 1, figs. 7-14. Webster, 1988, p. 129.  
Mississippian, Serpukhovian (Chesterian), Newman Formation. United States, Tennessee
- Phanocrinus scoticus* (de Koninck, 1858). Wright, J., 1951b, p. 96, Pl. 18, fig. 12. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 134.  
*Hydreionocrinus scoticus* de Koninck, 1858a, p. 99, Pl. 2, figs. 6-7. de Koninck, 1858b, p. 179, Pl. 4, figs. 6-7. Dujardin and Hupé, 1862, p. 218. Bassler and Moodey, 1943, p. 607. Wright, J., 1951b, p. 96. Webster, 1973, p. 205.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Phanocrinus stellaris* (Wright, 1934). Wright, J., 1939, p. 25, Pl. 9, fig. 6. Bassler and Moodey, 1943, p. 608. Wright, J., 1951b, p. 98, Pl. 18, figs. 24-27. Burdick and Strimple, 1969, p. 9. Webster, 1973, p. 205. Webster, 1977, p. 134.  
*Eupachycrinus stellaris* Wright, J., 1934, p. 247, Pl. 13, figs. 12-13. Bassler and Moodey, 1943, p. 608.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Phanocrinus supratumulosus* Sutton and Winkler, 1940 = *Staphylocrinus supratumulosus*
- Phanocrinus trulleum* Strimple and Watkins, 1969, p. 216, Pls. 36, fig. 1-3; 50, fig. 5. Webster, 1977, p. 134.  
Mississippian, Serpukhovian (Chesterian), Barnett Formation. United States, Texas
- ?*Phanocrinus unusuialis* Burdick and Strimple, 1983a, p. 64, Pl. 21, figs. 1, 9, 16. Webster, 1988, p. 129.  
Mississippian, Serpukhovian (Chesterian), Monteagle Limestone. United States, Alabama
- Phanocrinus vadosus* Washburn, 1968 = *Goleocrinus vadosus*
- Phanocrinus* sp. Easton, 1942, p. 84, Pl. 2, fig. 16.  
Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas

*PHIALOCRINUS* Trautschold, 1869 (*non* Eichwald, 1856) = **AESIOCRINUS**

*Phialocrinus americanus* Weller, 1909 = *Ulocrinus americanus* = *Parulocrinus americanus*

*Phialocrinus angulatus* (Miller and Gurley, 1894) = *Aesiocrinus angulatus* = *Celonocrinus angulatus*

*Phialocrinus barydactylus* Keyes, 1894 = *Aesiocrinus barydactylus*

*Phialocrinus basilicus* (Miller and Gurley, 1891) = *Aesiocrinus basilicus*

*Phialocrinus basiliscus* (Miller and Gurley, 1891) = *Aesiocrinus basiliscus*

*Phialocrinus carbonarius* (Meek and Worthen, 1861) = *Graphiocrinus carbonarius* = *Apographiocrinus carbonarius*

*Phialocrinus elenae* Yakovlev, 1930 = *Polusocrinus elenae* = *Belashovicrinus elenae*

*Phialocrinus? elenae* Yakovlev, 1930 = *Polusocrinus elenae* = *Belashovicrinus elenae*

*Phialocrinus harii* (Miller and Gurley, 1890) = *Aesiocrinus harii*

*Phialocrinus konincki* (Clarke *in de* Koninck, 1877) = *Meganotocrinus konincki*

*Phialocrinus? konincki* (Clarke *in de* Koninck, 1877) = *Aesiocrinus konincki* = *Meganotocrinus konincki*

*Phialocrinus lykinsi* (Butts, 1890) = *Aesiocrinus lykinsi*

*Phialocrinus magnificus* (Miller and Gurley, 1890) = *Aesiocrinus magnificus*

*Phialocrinus? nodosus* Etheridge, 1892 = *Aesiocrinus nodosus* = *Calceolispongia nodosus*

*Phialocrinus patens* Trautschold, 1869 = *Aesiocrinus patens*

*Phialocrinus princeps* Etheridge, 1892 = *Aesiocrinus princeps* = \**Meganotocrinus princeps*

*Phialocrinus? stephensi* Etheridge, 1892 (part) = *Calceolispongia stephensi*

*Phialocrinus? stephensi* Etheridge, 1892, p. 113, Pl. 20, figs. 1-5. Bassler and Moody, 1943, p. 609.  
Permian, Nowra Grit. Australia, New South Wales



*Phialocrinus stillativus* Keyes, 1894 = *Whiteocrinus stillativus* = *Apolloocrinus stillativus* = *Stellarocrinus stillativus*

*Phialocrinus urna* Trautschold, 1879 = *Poteriocrinus (Scytalocrinus) urna* = *Scytalocrinus urna*

**PHILLIPSOCRINUS** M'Coy, 1844 = **ACTINOCRINITES**

*Phillipsocrinus caryocrinoides* M'coy, 1844 = *Actinocrinites caryocrinoides*

**PHILOCRINUS** de Koninck, 1863 = **WOODOCRINUS**

*Philocrinus cometra* de Koninck, 1863 = *Woodocrinus cometra*

*Philocrinus nebrascensis* Meek and Worthen, 1865 = *Erisocrinus typus*

*Philocrinus notatus* (Miller and Gurley, 1896) = *Graphiocrinus notatus* = *Nactocrinus notatus*

*Philocrinus pelvis* Meek and Worthen, 1865 = *Erisocrinus typus*

**PHIMOCRINUS** Schultze, 1866. \**P. laevis* Schultze, 1866.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Synbathocrinidae

Schultze, 1866, p. 29 (adv. pub.). Schultze, 1967, p. 141. Zittel, 1880, p. 343, 350.

Zittel, 1895, p. 125. Koken, 1896, p. 279. Bather *in* Lankester, 1900, p. 152.

Wachsmuth *in* Zittel, 1900, p. 136. Springer *in* Zittel, 1913, p. 209. Bassler, 1938,

p. 152. Bassler and Moodey, 1943, p. 609. Moore and Laudon, 1943b, p. 31.

Ubaghs, 1953, p. 746. Webster, 1973, p. 206. Moore and Lane *in* Moore and

Teichert, 1978, p. T560. Webster, 1986, p. 249. Hauser, 1997, p. 93, Fig. 27.

Jell, 1999a, p. 67. Hauser, 2001, p. 127, Fig. 110. Hauser, 2008, p. 26, Fig. 51.

Named, currently recognized species based on cups or crowns: 4 species. 2 Silurian - Devonian, Ludlovian – Lochkovian; 2 Devonian, Eifelian

Devonian, Eifelian. Germany

Silurian, late Ludlovian, Devonian, late Lochkovian. Australia, Victoria

*Phimocrinus americanus* Springer, 1923a, p. 30, Pl. 5, figs. 17-19. Bassler and Moodey, 1943, p. 609. Jell, 1999a, p. 67, Fig. 52, nos. A-C.

*Theloreus americanus* (Springer, 1923). Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, Rockhouse and Birdsong Members. United States, Tennessee

Silurian, Ludlovian, Melbourne Formation; Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Phimocrinus hanschi* Jell, 1999a, p. 67, Fig. 53.

Silurian - Devonian, late Ludlovian, - Lochkovian, Humevale Formation, Clonbinane Sandstone Member. Australia, Victoria

*Phimocrinus jouberti* Oehlert, 1882 = *Theloreus jouberti*

\**Phimocrinus laevis* Schultze, 1866, p. 29 (adv. pub.). Schultze, 1867, p. 141, Pl. 3, figs.

6. Bassler, 1938, p. 152. Bassler and Moodey, 1943, p. 610. Moore and Lane in Moore and Teichert, 1978, p. T560, Fig. 353, no. 1. Webster, 1986, p. 249. Hauser, 1997, p. 93, Pl. 70, fig. 9. Hauser, 2001, p. 27, 127, Pl. 18, figs. 5-5a; Fig. 111. Hauser, 2008, p. 26, Pl. 13, fig. 1; Figs. 50, 52.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany

*Phimocrinus* aff. *laevis* Schultze, 1866. Hauser, 1997, Pl. 70, figs. 1-2.  
Devonian, Eifelian. Germany

*Phimocrinus quinquangularis* Schultze, 1866, p. 30 (adv. pub.). Schultze, 1867, p. 142, Pl. 3, fig. 7. Bassler and Moodey, 1943, p. 610. Hauser, 1997, p. 94, Pl. 70, figs. 3-4, 8. Hauser, 2001, p. 27, 129, Pl. 19, figs. 1-1b; Fig. 112.  
Devonian, Eifelian, Freilingen Formation, ?Nollenbach Formation. Germany

**PHOENICOCRINITES** Austin and Austin, 1843 = **CARPOCRINUS**

*Phoenicocrinites simplex* (Phillips in Murchison, 1839) = *Carpocrinus simplex*

**PHOENICOCRINUS** Springer, 1913 = **CARPOCRINUS**

**PHRYGILOCRINUS** Ausich, 1985. \**P. batheri* Ausich, 1985.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Stelidiocrinidae  
Ausich, 1985, p. 805. Webster, 1988, p. 129.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species  
Silurian, Llandoveryan. United States, Ohio

\**Phrygilocrinus batheri* Ausich, 1985, p. 807, Figs. 10, nos. 8, 10-12; 11. Webster, 1988, p. 129. Ausich, 1996b, p. 247, Fig. 17-5, no. 13.  
Silurian, Llandoveryan, Brassfield Formation. United States, Ohio

**PHYALOCRINUS** Trautschold, 1870 = **AESIOCRINUS**

*Phyalocrinus patens* Trautschold, 1869 = *Aesiocrinus patens*

**PHYSETOCRINUS** Meek and Worthen, 1869. \**Actinocrinus ventricosus* Hall, 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae  
Meek and Worthen, 1869, p. 158. Meek and Worthen, 1873, p. 349. Wachsmuth and Springer, 1881, p. 96, 155 (270, 329). Miller, S. A., 1889, p. 269. Zittel, 1895, p.

128. Wachsmuth and Springer, 1897, p. 593. Bather *in* Lankester, 1900, p. 170. Wachsmuth *in* Zittel, 1900, p. 142, Fig. 243, nos. C-D. Grabau and Shimer, 1910, p. 529. Springer *in* Zittel, 1913, p. 197. Bassler, 1938, p. 152. Bassler and Moodey, 1943, p. 610. Moore and Laudon, 1943b, p. 93, Fig. 15. Moore and Laudon, 1944, p. 193, Pl. 71, fig. 15. Ubaghs, 1953, p. 739. Arendt and Hecker, 1964, p. 96. Brower, 1970, p. 501. Webster, 1973, p. 206. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 135. Haugh, 1978, p. 163, Fig. 11, no. L. Bowsher *in* Moore and Teichert, 1978, p. T460. Webster, 1986, p. 249. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 129. Webster, 1993, p. 91. Simms, 1994b, p. 304, Figs. 1, no. F; 2, no. F. Simms, 1994c, Figs. 1, no. F; 3, no. F. Ausich and Sevastopulo, 2001, p. 62. Named, currently recognized species based on cups or crowns: 10 Mississippian species, 3 Tournaisian, 1 Tournaisian - Viséan, 6 Viséan  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States  
Mississippian, Tournaisian?. Ireland?

*Physetocrinus asper* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 269.  
Wachsmuth and Springer, 1897, p. 596, Pl. 63, fig. 7. Weller, S., 1898c, p. 426.  
Bassler and Moodey, 1943, p. 610. Haugh, 1973a, p. 82, Pls. 1, fig. 21; 2, fig. 6;  
Fig. 6, no. b. Haugh, 1975b, p. 267, Fig. 5, no. 3. Webster, 1977, p. 135.  
Webster, 1986, p. 250.  
*Strotocrinus* (*Physetocrinus?*) *asper* Meek and Worthen, 1870a, p. 161. Meek and  
Worthen, 1873, p. 351, Pl. 7, fig. 1. Lesley, 1889, p. 1138, Fig. 1a. Weller, S.,  
1898c, p. 426. Bassler and Moodey, 1943, p. 610.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
Iowa, Missouri

*Physetocrinus brightoni* Wright, J., 1955a, p. 239, Pl. 52, figs. 16-19. Webster, 1973, p.  
206. Ausich and Sevastopulo, 2001, p. 62, Pl. 7, figs. 11-14, 20-22.  
Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds,  
?Supradolomite Beds. Ireland

*Physetocrinus copei* (Miller, 1881). Miller, S. A., 1889, p. 269, Fig. 390. Wachsmuth  
and Springer, 1897, p. 598, Pl. 63, fig. 5. Weller, S., 1898c, p. 426. Bassler and  
Moodey, 1943, p. 610. Brower, 1970, p. 501, Pl. 65, figs. 3-4; Fig. 82, nos. A-B.  
Webster, 1977, p. 135.  
*Actinocrinus copei* Miller, S. A., 1881d, p. 310, Pl. 7, figs. 2-2b. Weller, S., 1898c, p.  
426. Bassler and Moodey, 1943, p. 610.  
Mississippian, Viséan (Osagean), Lake Valley Limestone; Redwall Limestone,  
Thunder Springs Member or Mooney Falls Member. United States, New Mexico,  
Arizona

*Physetocrinus* sp. cf. *P. copei* (Miller, 1881). Webster and Lane, 1987, p. 19, Fig. 6,  
nos. 22-24. Webster, 1993, p. 91.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Physetocrinus costus* (M'Coy, 1844) = *Actinocrinites costus*

- Physetocrinus dilatatus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 269.  
Wachsmuth and Springer, 1897, p. 595, Pl. 64, figs. 9-10. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 610.
- Strotocrinus (Physetocrinus) dilatatus* Meek and Worthen, 1870a, p. 162. Meek and Worthen, 1873, p. 363, Pl. 10, fig. 6. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 610.
- Strotocrinus dilatatus* Meek and Worthen, 1870. Miller, S. A., 1889, p. 284.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Physetocrinus lobatus* Wachsmuth and Springer, 1897, p. 599, Pl. 63, figs. 8a-8b.  
Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 610. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 8. Laudon, 1948, Pl. 3. Bowsher, 1954, p. 113, Figs. 1-3. Webster, 1973, p. 206. Brower, 1970, p. 504, Pl. 65, figs. 5-14; Fig. 82, nos. C-K. Webster, 1977, p. 135.  
Mississippian, Viséan (Osagean), Lake Valley Limestone; Redwall Limestone, Thunder Springs Member, Thunder Springs Member or Mooney Falls Member. United States, New Mexico, Arizona
- Physetocrinus majusculus* Webster and Lane, 1987, p. 20, Fig. 6, nos. 18-21.  
Webster, 1993, p. 91.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada
- Physetocrinus ornatus* (Hall, 1858). Wachsmuth and Springer, 1881, p. 157 (331).  
Keyes, 1890a, Pl. 8, fig. 5. Keyes, 1894a, p. 192, Pl. 24, fig. 7. Wachsmuth and Springer, 1897, p. 598, Pls. 4, fig. 3; 63, figs. 1-4. Weller, S., 1898c, p. 427. Grabau and Shimer, 1910, p. 529. Bassler and Moodey, 1943, p. 610. Haugh, 1975b, p. 270, Figs. 5, no. 6; 6, no. 3. Ubaghs *in* Moore and Teichert, 1978, p. T197, Fig. 167, no. 2. Webster, 1986, p. 250. Gahn and Baumiller, 2006, p. 400, Fig. 2, no. B.
- Actinocrinus ornatus* Hall, 1858c, p. 583, Pl. 10, fig. 12; Fig. 86. Shumard, 1868, p. 346. Meek and Worthen, 1873, p. 332, Pl. 9, figs. 9-10. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 427.
- Actinocrinites? ornatus* (Hall, 1858). Meek, 1874, p. 371.
- Actinocrinus brittsi* Miller, S. A., 1892a, p. 672. Miller, S. A., 1892c, p. 36, Pl. 6, figs. 1-4. Miller, S. A., 1894, p. 290, Pl. 6, figs. 1-4. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 610.
- Actinocrinus senarius* Hall, 1859a, p. 25. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Miller, S. A., 1892a, p. 672. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 610.  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Missouri, Iowa
- Physetocrinus reticulatus* (Hall, 1861) = *Cactocrinus reticulatus*
- Physetocrinus sampsoni* Miller and Gurley, 1896c, p. 14, Pl. 1, figs. 5-7. Miller, S. A., 1897, p. 749, fig. 1367. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 611.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Physetocrinus smalleyi* Weller, S., 1909, p. 286, Pl. 11, figs. 1-3. Bassler and Moodey, 1943, p. 611.

Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Missouri

*Physetocrinus subventricosus* McChesney, 1860 = *Physetocrinus ventricosus*

\**Physetocrinus ventricosus* (Hall, 1858). Meek and Worthen, 1869, p. 158. Miller, S. A., 1889, p. 269. Wachsmuth and Springer, 1897, p. 593, Pls. 4, fig. 2; 5, fig. 14; 63, fig. 6; 64, figs. 1-8. Weller, S., 1898c, p. 427. Grabau and Shimer, 1910, p. 529. Bassler and Moodey, 1943, p. 611. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 4. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 7. Laudon, 1948, Pl. 3. Good, 1968, Pl. 1, fig. 1. Haugh, 1973a, p. 84, Pls. 1, figs. 1, 3, 4; 2, fig. 1; Fig. 6, nos. c, g. Webster, 1973, p. 206. Webster, 1977, p. 135. Ubaghs in Moore and Teichert, 1978, p. T201, Fig. 171, no. 1. Bowsher in Moore and Teichert, 1978, p. T461, Fig. 269, no. 1. Brett, 1981b, p. 361, Fig. 7, no. D. Webster, 1986, p. 250. Webster, 1988, p. 129. Gahn and Baumiller, 2006, p. 400, Fig. 2, no. A.

*Actinocrinus ventricosus* Hall, 1858c, p. 595, Pl. 11, figs. 6a-6b. Hall, 1859a, Pl. 2, fig. 5. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 427. Bassler, 1938, p. 152. Bassler and Moodey, 1943, p. 611.

*Actinocrinus ventricosus* var. *cancellatus* Hall, 1861b, p. 3. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220, 269. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 611.

*Actinocrinus ventricosus* var. *internodius* Hall, 1861a, p. 278. Hall, 1861b, p. 3. Hall, 1861c, p. 278, p. 3. Shumard, 1868, p. 349. Miller, S. A., 1889, p. 220, 269. Weller, S., 1898c, p. 427.

*Actinocrinus ventricosus* var. *intermedius* Hall, 1861. Bassler and Moodey, 1943, p. 611.

*Actinocrinus ventricosus* var. *reticulatus* Hall, 1861a, p. 279. Hall, 1861c, p. 279. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 611.

*Actinocrinus subventricosus* McChesney, 1860, p. 21, Pl. 4, figs. 6a-6b. McChesney, 1868, p. 16, Pl. 4, figs. 6a-6b; Unnum Fig. p. 17. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 427. Bassler and Moodey, 1943, p. 611.

*Physetocrinus subventricosus* McChesney, 1860. Miller, S. A., 1889, p. 269. Mississippian, Viséan (Osagean), upper and lower parts of Burlington Limestone. United States, Iowa, Illinois, Missouri

*Physetocrinus* sp. Kues, 1982, Unnum Fig. p. 108, no. E. Webster, 1988, p. 129. Mississippian: no locality data given, probably Lake Valley Formation. New Mexico

*Physetocrinus?* sp. Webster and Lane, 1987, p. 21, Fig. 7, nos. 19-21. Webster, 1993, p. 91.

Mississippian, Viséan (Osagean)n, Anchor Limestone. United States, Nevada

**PIDELOCRINUS** Frest and Strimple, 1981. \**P. planus* Frest and Strimple, 1981.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Elpidocrinidae  
Frest and Strimple, 1981, p. 653. Webster, 1988, p. 129.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, Ludlovian. United States

\**Pidelocrinus planus* Frest and Strimple, 1981, p. 654, Pl. 1, figs. 2, 5, 9-11; Fig. 3, no. D. Webster, 1988, p. 129.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

**PILIDIOCRINUS** Wanner, 1937. \**P. permicus* Wanner, 1937.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Philidiocrinidae  
Wanner, 1937, p. 131. Bassler, 1938, p. 152. Bassler and Moodey, 1943, p. 611.

Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 207. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 13, Fig. 3. Arendt, 1970a, p. 184.

Webster, 1973, p. 206. Webster, 1977, p. 135. Lane and Moore *in* Moore and Teichert, 1978, p. T603. Arendt, 1981, p. 100. Webster, 1986, p. 250. Webster, 1988, p. 129.

Named, currently recognized species based on cups or crowns: 1 Permian species series uncertain

Permian, series uncertain. West Timor

*Pilidiocrinus heckeri* Arendt, 1970 = \**Eopilidiocrinus heckeri*

\**Pilidiocrinus permicus* Wanner, 1937, p. 139, Pl. 9, figs. 27-29. Bassler, 1938, p. 152.

Bassler and Moodey, 1943, p. 611. Branson, C. C., 1948, p. 207. Arendt, 1968a, p. 99, Fig. 2. Arendt, 1970a, p. 184. Webster, 1973, p. 206. Webster, 1977, p. 135. Lane and Moore *in* Moore and Teichert, 1978, p. T603, Fig. 390, no. 7 (*non* no. 1 as given p. T603). Webster, 1986, p. 250.

Permian, series uncertain. West Timor, Basleo

**PIMLICOCRINUS** Wright, 1943. \**Amphoracrinus clitheroensis* Wright, 1942.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Amphoracrinidae

Wright, J., 1943a, p. 89. Ubaghs, 1953, p. 739. Webster, 1973, p. 206. Ubaghs *in* Moore and Teichert, 1978, p. T452. Webster, 1986, p. 250. Lane and

Sevastopulo, 1987, p. 200. Donovan, 1992c, p. 46. Chen and Yao, 1993, p. 31, Fig. 13. Webster, 1993, p. 91. Donovan and Lewis, 2003, p. 1. Webster et

al., 2004, p. 19. Ausich and Kammer, 2008b, p. 1148 (misspelled as *Pimliccrinus* table 4).

Named, currently recognized species based on cups or crowns: 7 species, 6 Mississippian, 3 Tournaisian, 1 Tournaisian – Viséan, 2 Viséan; 1 Pennsylvanian, Bashkirian

Mississippian, middle Tournaisian - Serpukhovian. Europe

Mississippian, Tournaisian. China, Yunnan Province  
Pennsylvanian, Desmoinesian. Algeria

- Pimlicocrinus acuminatus* Chen and Yao, 1993, p. 31, Pl. 5, figs. 1-3; Fig. 14, nos. a-c.  
Webster, Waters, and Chen, 2009, p. 140, Fig. 7, nos. n-q.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Pimlicocrinus brevicalix* (Rofe, 1865). Wright, J., 1955a, p. 211, Pl. 51, figs. 27; Fig. 111. Webster, 1973, p. 206. Donovan and Lewis, 2003, p. 1, Pl. 1, fig. 6.  
*Actinocrinus (Amphorocrinus) brevicalix* Rofe, 1865a, p. 12, Figs. 1-3. Bassler and Moodey, 1943, p. 298. Wright, J., 1943b, p. 234. Wright, J., 1955a, p. 211. Webster, 1973, p. 206.  
*Amphorocrinus brevicalix* (Rofe, 1865). Bassler and Moodey, 1943, p. 298. Wright, J., 1943b, p. 234. Webster, 1973, p. 50.  
Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland
- \**Pimlicocrinus clitheroensis* (Wright, 1942). Wright, J., 1943a, p. 90, Pl. 3, figs. 12-13, 18-20. Wright, J., 1955a, p. 208, Pl. 51, figs. 1-4, 11-12. Webster, 1973, p. 206. Ubaghs in Moore and Teichert, 1978, p. T452, Fig. 260, no. 3. Webster, 1986, p. 250. Donovan, 1992c, p. 46, Fig. 7, no. I.  
*Amphorocrinus clitheroensis* Wright, J., 1942, p. 272, Pl. 10, figs. 1-4. Wright, J., 1943a, p. 90. Webster, 1973, p. 50, 206.  
Mississippian, Viséan. United Kingdom, Scotland
- Pimlicocrinus latus* Wright, J., 1943a, p. 91, Pl. 3, figs. 1-11, 14-17, 21-22. Wright, J., 1955a, p. 210, Pl. 51, figs. 6-10, 13-14, 21-25, 33-37. Breimer, 1962a, p. 80, Pl. 8, figs. 8-10; Fig. 14. Webster, 1973, p. 206.  
Mississippian, Tournaisian – Viséan, Rabanal Limestone. United Kingdom, Scotland; Spain
- Pimlicocrinus* cf. *latus* Wright, 1943. Wright, J., 1955a, p. 210, Pl. 61, fig. 8. Webster, 1973, p. 206.  
Mississippian, Tournaisian. United Kingdom
- Pimlicocrinus morocarpus* Chen and Yao, 1993, p. 33, Pl. 5, fig. 6. Webster, Waters, and Chen, 2009, p. 140, Fig. 7, nos. g-h.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Pimlicocrinus octobrachiatus* Webster et al., 2004, p. 28, Pl. 7, figs. 1-11.  
Pennsylvanian, Bashkirian, Oued el Hamar Formation. Algeria
- Pimlicocrinus subconicus* Chen and Yao, 1993, p. 32, Pl. 5, figs. 4-5; Fig. 15, nos. a-c.  
Webster, Waters, and Chen, 2009, p. 140, Fig. 7, nos. r-u.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Pimlicocrinus* sp. 1 Breimer, 1962a, p. 82, Fig. 15, nos. A-B. Webster, 1973, p. 206.  
Pennsylvanian, Westphalian. Spain

*Pimlicocrinus* sp. 2 Breimer, 1962a, p. 83, Pl. 8, fig. 11; Fig. 15, no. C. Webster, 1973, p. 206.

Age and locality unknown in Spain

*Pimlicocrinus* spp.

Wright, J., 1955a, p. 212, Pl. 53, fig. 21. Webster, 1973, p. 206.

Mississippian, Tournaisian. United Kingdom, Scotland

Chen and Yao, 1993, p. 33, Pl. 5, fig. 7.

Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province

Webster et al., 2004, Pl. 7, figs. 18-19.

Pennsylvanian, Bashkirian, upper part of Oued el Hamar Formation. Algeria

Pinnates Moore, 1939b, p. 170, Fig. 2, nos. 12-15 (brachials, 4 species).

Mississippian, Viséan (Osagean). United States

Pinnulars with saw-like edges Pisera, 1994, p. 290, Pl. 59 fig. 9.

Ordovician, Darriwilian – Katian (Llanvirnian – Ashgillian), Mojca Limestone.

Poland, Holy Cross Mountains

Pinnulate camerate brachials Brower, 1974a, p. 12, Pl. 3, figs. 2-3. Webster, 1986, p. 323.

No age given

Pinnule filled arm segment Kutscher, 1971, p. 115, Pl. 1. Webster, 1977, p. 182.

Devonian, Emsian, Hunsrückschiefer. Germany

Pinnule of a crinoid *Acolocrinus* Rozhnov, 2002, p. 595, Fig. 51. (diagramatic)

Pinnules Webster and Maples, 2008, p. 212, Fig. 10.3, no. 3. (diagramatic)

*PIONOCRINUS* Angelin, 1878 = **CARPOCRINUS**

*Pionocrinus affinis* Angelin, 1878 = *Carpocrinus affinis*

*Pionocrinus elegantulus* Angelin, 1878 = *Carpocrinus elegantulus*

*Pionocrinus farctus* Angelin, 1878 = *Carpocrinus farctus*

*Pionocrinus pulchellus* Angelin, 1878 = *Carpocrinus pulchellus*

*Pionocrinus simplex* (Phillips, 1839) = *Carpocrinus simplex*

Pirasocrinid indet. Lane et al., 1996. Webster et al., 2009a, p. 51, Fig. 3, no. G

?*Bathronocrinus* sp. Lane, et al., 1996, p. 125, Figs. 5.19, 6.13.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar Autonomous Region



Pirasocrinid indeterminate A, set of arms Webster and Lane, 2007, p. 959, Fig. 4, no. 5.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

Pirasocrinid indeterminate B, set of arms Webster and Lane, 2007, p. 961, Fig. 4, no. 4.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

Pirasocrinidae gen. et sp. indet. Hashimoto, 1984, p. 24, Pl. 10, figs. 2a-2c; Fig. 7, no. 5a. Webster, 1993, p. 91.  
Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* Biozone. Japan

Pirasocrinidae? indeterminate Webster and Houck, 1998, p. 1066.  
Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado

Pirasocrinids *Thomka et al.*, 2012, p. 475, Fig. 9.  
Pennsylvanian, Missourian, Barnsdall Formation. United States, Oklahoma

Pirasocrinids indeterminate

Webster and Kues, 2006, p. 21.

Pennsylvanian, Morrowan, Osha Canyon Formation. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, Desmoinesian, Flechado Formation. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, Missourian or Virgilian, Madera Group. United States, New Mexico

Webster and Kues, 2006, p. 21.

Pennsylvanian, Virgilian, Madera Group, Jemez Springs Member, upper white limestone. United States, New Mexico

**PIRASOCRINUS** Moore and Plummer, 1940. \**P. scotti* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.

Pirasocrinidae

Moore and Plummer, 1940, p. 235. Bassler and Moodey, 1943, p. 611. Moore and Laudon, 1943b, p. 58, Fig. 7. Moore and Laudon, 1944, p. 165. Moore, 1950, p. 34, Fig. 4, no. j. Knapp, 1969, p. 371, Fig. 2. Strimple and Watkins, 1969, p. 203.

Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 207. Webster, 1977, p. 135.

Moore and Strimple *in* Moore and Teichert, 1978, p. T724. Webster, 1986, p. 250.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States

*Pirasocrinus depressus* Strimple, 1961g, p. 57, Pl. 14, figs. 1-2. Webster, 1973, p. 207.

Pennsylvanian, Desmoinesian, Holdenville Formation. United States, Oklahoma

*Pirasocrinus invaginatus* Strimple, 1951 = *Sciadiocrinus invaginatus*

\**Pirasocrinus scotti* Moore and Plummer, 1940, p. 238, Pl. 5, figs. 2-4; Fig. 53. Bassler and Moodey, 1943, p. 611. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 11. Moore and Laudon, 1944, p. 165, Pls. 62, fig. 18; 63, fig. 23. Knapp, 1969, p. 371, Fig. 29. Strimple and Watkins, 1969, p. 206, Pls. 33, figs. 3-4; 35, figs. 1-3; 45, figs. 1-2; 56, fig. 2. Webster, 1973, p. 207. Webster, 1977, p. 135. Moore and Strimple *in* Moore and Teichert, 1978, p. T724, Figs. 436, no. 1; 478, no. 2. Webster, 1986, p. 250. Finsley, 1989, p. 96. Pennsylvanian, Desmoinesian, Millsap Lake Formation, shale below Kickapoo Falls Limestone Member. United States, Texas

Pisocrinitoidea Rozhnov, 1998, p. 77, Fig. 6. (diagramatic)

Pisocrinid, genus and species undetermined Ausich, 1986c, p. 720, Fig. 2, no. 1. Webster, 1993, p. 91. Silurian, late early or middle Llandoveryan, Brassfield Limestone. United States, Ohio

Pisocrinidae gen. et sp. indet. Prokop and Petr, 1998a, p. 13. *Cystidea granulum* Barrande, 1887, p. 179, Pl. 38, figs. 12-12A. Bassler and Moodey, 1943, p. 148. Prokop and Petr, 1998a, p. 13. Silurian, Wenlockian, uppermost part of Liten Formation. Czech Republic, Borek

?Pisocrinidae gen. et sp. ind. Prokop and Petr, 1990, p. 61. Webster, 1993, p. 91. Petit calice avec de longs bras Waagen et Jahn, 1899. Prokop and Petr, 1990, p. 61. Webster, 1993, p. 91. Silurian, late Wenlockian, Liten Formation. Czech Republic

**PISOCRINUS** de Koninck, 1858. \**P. pilula* de Koninck, 1858. Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae de Koninck, 1858a, p. 104. de Koninck, 1858b, p. 182, Unnum. Fig. p. 182. Dujardin and Hupé, 1862, p. 218. Bigsby, 1868, p. 22. Salter, 1873, p. 128. Angelin, 1878, p. 20. Zittel, 1880, p. 342, 348. Wachsmuth and Springer, 1886, p. 172, 186 (96, 140). Miller, S. A., 1889, p. 269. Bather, 1893a, p. 21. Zittel, 1895, p. 125, Fig. 238. Koken, 1896, p. 280. Bather *in* Lankester, 1900, p. 149. Wachsmuth *in* Zittel, 1900, p. 135. Jaekel, 1902, p. 1101, Fig. 28, no. B. Grabau and Shimer, 1910, p. 498. Springer *in* Zittel, 1913, p. 208. Bassler, 1915, p. 980. Thomas, A. O., 1916, p. 291. Springer, 1926a, p. 72. Bassler, 1938, p. 153. Bassler and Moodey, 1943, p. 611. Moore and Laudon, 1943b, p. 30, Fig. 3. Moore and Laudon, 1944, p. 147, Pl. 54, fig. 19. Cuénot, 1948, p. 60. Ubaghs, 1953, p. 746, Figs. 11, no. a; 140, no. E. Mu, 1954, p. 325, Fig. 1. Tien and Mu, 1955, p. 91, Fig. 29. Bouska, 1956a, p. 12, Fig. 1. Moore, 1962b, p. 14, Figs. 6, no. 1; 7, no. 2. Strimple, 1963d, p. 37, Fig. 9, no. c. Arendt and Hecker, 1964, p. 81. Moore and Jeffords, 1968, p. 11, Fig. 3, no. 4. Webster, 1973, p. 207. Ausich, 1977, p. 672, Figs. 1-2, 4-5, 7. Webster, 1977, p. 136. Ausich, 1978, p. 487. Moore and Lane *in* Moore and Teichert, 1978, p. T534. Rozhnov, 1981, p. 57, Fig. 4, nos. z-l. Prick, 1983, p. 228. Rozhnov, 1985b, p. 9, Fig. 4, no. a. Smith, A. B., 1985, p.

170. Ausich, 1986c, p. 720. Webster, 1986, p. 251. Sevastopulo and Lane, 1988, p. 247, Fig. 19.2, no. b. Ausich, 1988, p. 913, Fig. 2, no. 7. Webster, 1988, p. 129. Chen and Yao, 1993, p. 51, Fig. 26. Webster, 1993, p. 91. Hauser, 1997, p. 111, Fig. 33. Rozhnov, 1998, p. 73, Figs. 1-2, 4 (). Rozhnov, 2007b, p. 313, Figs. 3, no. d; 6, nos. a-c. Webster and Rakhmonov, 2009, p. 236. Donovan et al., 2009, p. 23.

**See note** under *Parapisocrinus*.

*TRIACRINUS* Ringueberg, 1884 (*non* Münster), p. 144. \**T. pyriformis* Ringueberg, 1884. Bassler, 1915, p. 980. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 611.

Named, currently recognized species based on cups or crowns: 4 species. 2 Silurian series not designated, 1 Ludlovian; 1 Devonian, Eifelian  
Middle Silurian - Middle Devonian. Europe, Asia, North America, Russia

*Pisocrinus anne dixonii* (Troost, 1850) = *Lyonocrinus bacca*

*Pisocrinus baccula* Miller and Gurley, 1895 = *Pisocrinus (Pisocrinus) baccula* =  
*Pisocrinus (Granulosocrinus) baccula*

*Pisocrinus (Pisocrinus) baccula* Miller and Gurley, 1895 = *Pisocrinus (Granulosocrinus) baccula*

*Pisocrinus baccula* Miller and Gurley, 1895 = *Pisocrinus (Granulosocrinus) baccula*

*Pisocrinus benedicti* Miller, 1891 = *Pisocrinus (Pisocrinus) benedicti*

*Pisocrinus bogdani* Yeltyschewa, 1968 = *Pisocrinus (Pocillocrinus) bogdani*

*Pisocrinus bohemicus* Bouska, 1956 (part) = *Pisocrinus (Granulosocrinus) bohemicus*  
= \**Brutopisocrinus bohemicus*

*Pisocrinus bohemicus* Bouska, 1956 (part) = *Pisocrinus* sp.

*Pisocrinus campana* Miller, 1891 = *Pisocrinus (Pisocrinus) campana*

*Pisocrinus campana* Donovan et al., 2007, 2008 = *Pisocrinus* cf. *campana*

*Pisocrinus campana* Springer, 1926 = *Parapisocrinus tennesseeensis*

*Pisocrinus campana?* Miller, 1891. Ausich, 1977, p. 679, Pl. 2, figs. 12-13. Webster, 1986, p. 251.

Silurian. No locality given

*Pisocrinus* cf. *campana* Miller, 1891. Fearnhead, 2008, p. 51, Pls. 1, 2. Donovan et al., 2009, p. 26, Pl. 3, fig. 6.

*Pisocrinus campana* Miller, 1891. Donovan, Fernhead, and Lewis, 2007, p. 176, Pl.

34, figs. 3-4. Donovan et al., 2008b, p. 335, Fig. 15.1, no. 5. Donovan et al., 2009, p. 26.  
 Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom, Scotland  
 Silurian, late Llandoveryan, Telychian, Wether Law Linn Formation; Reservoir Formation, Starfish Beds. United Kingdom, Scotland

*Pisocrinus campanulata* Lowenstam, 1948 = *Pisocrinus (Pisocrinus) campana*

*Pisocrinus crassiortabelaris* Bouska, 1956 = *Pisocrinus (Granulosocrinus) crassiortabelaris*

*Pisocrinus depressa* Hauser, 1997 = *Pisocrinus (Pisocrinus) depressus*

*Pisocrinus flagellifer* Angelin, 1878 = *Pisocrinus (Pisocrinus) pilula*

*Pisocrinus gemmiformis* Miller, 1879 = *Pisocrinus (Pisocrinus) gemmiformis*

*Pisocrinus gemmiformis* var. *globosus* (Ringueberg, 1884) = *Pisocrinus (Pisocrinus) gemmiformis* var. *globosus*

*Pisocrinus (Pisocrinus) gemmiformis* var. *globosus* (Ringueberg, 1884) = *Pisocrinus (Pisocrinus) gemmiformis* var. *globosus*

*Pisocrinus glabellus* Rowley, 1904 = *Pisocrinus (Pisocrinus) glabellus*

*Pisocrinus globosus* (Ringueberg, 1884) = *Pisocrinus (Granulosocrinus) globosus*

*Pisocrinus globosus?* Rowley, 1904 = *Pisocrinus sphaericus* = *Parapisocrinus sphaericus*

*Pisocrinus gorbyi* Miller, 1891 = *Pisocrinus (Pisocrinus) gorbyi* = *Pisocrinus (Granulosocrinus) gorbyi*

*Pisocrinus (Pisocrinus) gorbyi* Miller, 1891 = *Pisocrinus (Granulosocrinus) gorbyi*

*Pisocrinus gorbyi* Miller, 1891 (part) = *Pisocrinus quinquelobus*

*Pisocrinus* cf. *gorbyi* Miller, 1892 = *Pisocrinus (Granulosocrinus) kosovensis*

**PISOOCRINUS (GRANULOSOCRINUS)** Rozhnov, 1981. \**Pisocrinus granulosus* Rowley, 1904.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae  
 Rozhnov, 1981, p. 69. Webster, 1988, p. 130.

Named, currently recognized species based on cups or crowns: 17 species. 13 Silurian, 4 Wenlockian, 4 Niagaran, 2 Ludlovian, 3 Ludlovian – Pridoli, 1 Silurian, series not designated; 3 Devonian, 1 Pragian – Emsian, 1 Emsian, 1 Eifelian

Silurian, Wenlockian - Devonian, Emsian. Europe, Russia  
 Silurian, Niagaran - Pridoli. North America

*Pisocrinus (Granulosocrinus) arendti* Rozhnov and Milicina *in* Rozhnov, 1981, p. 81,  
 Pl. 13, fig. 4; Fig. 16, nos. z-k. Webster, 1988, p. 130.  
 Devonian, Eifelian, Karpinsky Horizon. Russia, Ural Mountains

*Pisocrinus (Granulosocrinus) baccula* Miller and Gurley, 1895. Rozhnov, 1981, p. 69.  
 Webster, 1988, p. 130.

*Pisocrinus baccula* Miller and Gurley, 1895b, p. 79, Pl. 5, figs. 23-26. Miller, S. A.,  
 1897, p. 749, Fig. 1368. Bassler, 1915, p. 980. Springer, 1926a, p. 75, Pl. 23,  
 figs. 9-15b. Webster, 1973, p. 209. Rozhnov, 1975, p. 70, Fig. 1, no. b. Rozhnov,  
 1976, p. 68, Fig. 1, no. b. Ausich, 1977, p. 684, Figs. 3, no. A; 8; Tab. 2. Ausich,  
 1978, p. 488, Fig. 2, no. E. Webster, 1986, p. 251. Webster, 1988, p. 130.

*Pisocrinus bacula* Miller and Gurley, 1895. Bassler and Moodey, 1943, p. 611.  
 Moore and Laudon, 1944, p. 147, Pl. 54, fig. 17

*Pisocrinus (Pisocrinus) baccula* Miller and Gurley, 1895. Mu, 1954, p. 325.  
 Webster, 1973, p. 209.

Silurian, Wenlockian, Laurel Limestone. United States, Indiana

*Pisocrinus (Granulosocrinus) bohemicus* Bouska, 1956 = *\*Brutopisocrinus bohemicus*

*Pisocrinus (Granulosocrinus) crassiotabelaris* Bouska, 1956. Rozhnov, 1981, p. 69,  
 Fig. 3, no. z. Webster, 1988, p. 130.

*Pisocrinus crassiotabelaris* Bouska, 1956a, p. 25, Pl. 3, figs. 1-3. Webster, 1973,  
 p. 207. Webster, 1988, p. 130. Prokop and Petr, 1990, p. 19. Webster, 1993, p.  
 91.

Devonian, Emsian, Prokop Limestone; Suchomasty Limestone. Czech Republic,  
 Bohemia

*Pisocrinus (Granulosocrinus) globosus* (Ringueberg, 1884). Rozhnov, 1981, p. 82, Pl.  
 16, figs. 1-2; Fig. 16, no. zh. Webster, 1988, p. 130.

*Triacrinus globosus* Ringueberg, 1884, p. 146, Pl. 3, fig. 2. Bassler and Moodey,  
 1943, p. 612. Rozhnov, 1981, p. 82. Webster, 1988, p. 130.

*Pisocrinus globosus* (Ringueberg, 1884). Miller, S. A., 1889, p. 269. Lesley, 1889,  
 p. 650. Bassler, 1915, p. 981. Springer, 1926a, p. 80, Pl. 24, fig. 38. Bassler  
 and Moodey, 1943, p. 612. Ausich, 1977, p. 682, Tab. 2. Rozhnov, 1981, p. 82.  
 Webster, 1986, p. 251. Webster, 1988, p. 130.

*Pisocrinus (Pisocrinus) gemmiformis* var. *globosus* (Ringueberg, 1884). Mu, 1954,  
 p. 325. Webster, 1973, p. 209.

*Pisocrinus gemmiformis* var. *globosus* (Ringueberg, 1884). Bather, 1893, p. 27.  
 Silurian, early Niagaran, Irondequoit Limestone. United States, New York

*Pisocrinus (Granulosocrinus) gorbyi* Miller, 1891. Rozhnov, 1981, p. 83, Pl. 16, figs. 3-  
 5; Figs. 5, no. zh; 17, nos. l-o. Webster, 1988, p. 130.

*Pisocrinus gorbyi* Miller, S. A., 1891c, p. 30 (adv. pub.). Miller, S. A., 1892a, p. 681,  
 Fig. 1243. Miller, S. A., 1892b, p. 640, Pl. 6, figs. 17, 20 (*non* figs. 21-23).

Grabau

- and Shimer, 1910, p. 498. Bassler, 1915, p. 981. Springer, 1926a, p. 78, Pl. 23, figs. 40-45. Bassler and Moodey, 1943, p. 612. Lowenstam, 1948, Pl. 5, fig. 6A. Ausich, 1977, p. 685, Fig. 8; Tab. 2. Ausich, 1978, p. 488, Fig. 2, no. B.
- Rozhnov,  
1981, p. 83. Webster, 1986, p. 251. Webster, 1988, p. 130.
- Pisocrinus (Pisocrinus) gorbyi* Miller, 1891. Mu, 1954, p. 325. Webster, 1973, p. 209.
- Silurian, Niagaran, Racine Dolomite; Lobelville Limestone; Bainbridge Limestone; Blue Island Zone. United States, Indiana, Tennessee, Missouri, Nevada.  
Canada, Gaspé Peninsula
- Pisocrinus (\*Granulosocrinus) granulosus* Rowley, 1904. Rozhnov, 1981, p. 69. Webster, 1988, p. 130.
- Pisocrinus granulosus* Rowley, R. R., 1904d, p. 269, Pl. 16, figs. 1-3. Bassler, 1915, p. 981. Springer, 1926a, p. 75, Pl. 23, figs. 37-39a. Bassler and Moodey, 1943, p. 612. Ausich, 1977, p. 685, Fig. 8; Tab. 2. Rozhnov, 1981, p. 69. Webster, 1986, p. 251. Webster, 1988, p. 130.
- Pisocrinus (Pisocrinus) granulosus* Rowley, 1904. Mu, 1954, p. 325. Webster, 1973, p. 209.
- Silurian, Niagaran, Bainbridge Limestone; Dixon Limestone. United States, Tennessee, Missouri
- Pisocrinus (Granulosocrinus) jefferiesi* Rozhnov, 1981 = *Pisocrinus (Pisocrinus) pilula*
- Pisocrinus (Granulosocrinus) koihai* Bouska, 1956. Rozhnov, 1981, p. 69. Webster, 1988, p. 131.
- Pisocrinus koihai* Bouska, 1956a, p. 23, Pl. 2, fig. 14. Webster, 1973, p. 207. Webster, 1988, p. 131. Prokop and Petr, 1990, p. 30. Webster, 1993, p. 92.
- Devonian, Pragian - Emsian, Zlichov Limestone; Dvorce-Prokop Limestone. Czech Republic, Bohemia
- Pisocrinus (Granulosocrinus) kosovensis* Bouska, 1956. Rozhnov, 1981, p. 75, Pls. 12, figs. 1-3; 13, figs. 1-3; Figs. 3, no. e; 16, nos. a-e. Webster, 1988, p. 131.
- Pisocrinus kosovensis* Bouska, 1956a, p. 18, Pl. 1, figs. 16-18. Webster, 1973, p. 207. Ausich, 1977, p. 676, Fig. 3, no. B. Rozhnov, 1981, p. 75. Webster, 1986, p. 252. Webster, 1988, p. 131. Prokop and Petr, 1990, p. 28, 30. Webster, 1993, p. 92.
- Pisocrinus* cf. *kosovensis* Bouska, 1956. Rozhnov, 1981, p. 75. Webster, 1993, p. 92.
- Pisocrinus* cf. *gorbyi* Miller, 1892. Bouska, 1956a, p. 19, Pl. 2, figs. 1-4. Webster, 1973, p. 207. Prokop and Petr, 1990, p. 28. Webster, 1993, p. 92.
- Pisocrinus minutus* Bouska, 1956, Pl. 2, figs. 5-8 (only). Prokop and Petr, 1990, p. 33. Webster, 1993, p. 92.
- Ollulocrinus quinquelobus* (Bather, 1893). Bouska, 1956, Pl. 5, fig. 1 (only). Prokop and Petr, 1990, p. 42. Webster, 1993, p. 92.
- Silurian, early Ludlovian, Kopanina Limestone. Czech Republic, Bohemia

- Pisocrinus (Granulosocrinus) kurdekyrensis* Rozhnov, 1981, p. 80, Pl. 15, figs. 2-6; Figs. 3, no. e; 16, nos. l-n (given as p-n p. 80). Webster, 1988, p. 131.  
Silurian: Russia, Central Asia
- Pisocrinus (Granulosocrinus) lanceatus* Rozhnov and Männil in Rozhnov, Männil, and Nestor, 1989, p. 79, Pl. 1, figs. 3-4. Webster, 1993, p. 92.  
Silurian, early Wenlockian, Yagarakhu Horizon, Yamaya Suite. Russia, East Baltic
- Pisocrinus (Granulosocrinus) latus* Rozhnov, 1981, p. 74, Pl. 16, figs. 6-7; Fig. 15, no. o. Webster, 1988, p. 131.  
Silurian, Wenlockian: United Kingdom
- Pisocrinus (Granulosocrinus) minutus* Bouska, 1956. Rozhnov, 1981, p. 69. Webster, 1988, p. 131.  
*Pisocrinus minutus* Bouska, 1956a, p. 19, Pl. 2, figs. 5-9. Webster, 1973, p. 208. Webster, 1988, p. 131.  
Silurian, early Ludlovian, Kopanina Limestone. Czech Republic, Bohemia
- Pisocrinus (Granulosocrinus) pyriformis* (Ringueberg, 1884). Rozhnov, 1981, p. 69. Webster, 1988, p. 131.  
*Triacrinus pyriformis* Ringueberg, 1884, p. 145, Pl. 3, fig. 1. Bassler, 1915, p. 981; 1938, p. 186. Bassler and Moodey, 1943, p. 613.  
*Pisocrinus pyriformis* (Ringueberg, 1884). Miller, S. A., 1889, p. 270. Lesley, 1889, p. 650. Bassler, 1915, p. 981. Springer, 1926a, p. 80, Pl. 24, fig. 37. Bassler and Moodey, 1943, p. 613. Ausich, 1977, p. 682, Tab. 2. Webster, 1986, p. 252. Webster, 1988, p. 131.  
Silurian, early Niagaran, Irondequoit Limestone. United States, New York
- Pisocrinus (Granulosocrinus) spatulatus* Strimple, 1954. Rozhnov, 1981, p. 69. Webster, 1988, p. 131.  
*Pisocrinus spatulatus* Strimple, 1954b, p. 281, Figs. 5-8. Strimple, 1963d, p. 41. Webster, 1973, p. 210. Ausich, 1977, p. 685, Fig. 8; Tab. 2. Webster, 1986, p. 252. Webster, 1988, p. 131.  
Silurian, Ludlovian - Pridoli, Henryhouse Formation. United States, Oklahoma
- Pisocrinus (Granulosocrinus) tenuis* Bouska, 1956. Rozhnov, 1981, p. 69. Webster, 1988, p. 131.  
*Pisocrinus tenuis* Bouska, 1956a, p. 24, Pl. 2, fig. 15. Webster, 1973, p. 210. Webster, 1988, p. 131. Prokop and Petr, 1990, p. 49. Webster, 1993, p. 92.  
Silurian, Ludlovian – Pridoli, Pridoli Formation; Kopanina Limestone. Czech Republic, Bohemia
- Pisocrinus (Granulosocrinus) varus* Strimple, 1963. Rozhnov, 1981, p. 69, Fig. 5, no. e. Webster, 1988, p. 131.  
*Pisocrinus varus* Strimple, 1963d, p. 42, Pl. 1, fig. 11; Fig. 11, nos. c, e-l. Webster, 1973, p. 210. Ausich, 1977, p. 685, Fig. 8, tab. 2. Webster, 1986, p. 252.  
Silurian, Ludlovian - Pridoli, Henryhouse Formation. United States, Oklahoma

- Pisocrinus (Granulosocrinus) yeltyshevae* Rozhnov, 1975. Rozhnov, 1981, p. 70, Pls, 9, figs. 1-4; 10, figs. 1-4; Figs. 5, nos. b-g; 15, nos. a, d. Rozhnov, 1983, p. 106. Rozhnov, 1984, p. 103. Webster, 1988, p. 131. Rozhnov, 2002, p. S624, Fig. 67 ( ).
- Pisocrinus yeltyshevae* Rozhnov, 1975, p. 72, Pl. 8, figs. 1-7; Figs. 2-3. Rozhnov, 1981, p. 70. Webster, 1986, p. 252. Webster, 1988, p. 131.  
Silurian, early Wenlockian, Kitaigorod Horizon: Russia, Podolia
- Pisocrinus granulosus* Rowley, 1904 = *Pisocrinus (Pisocrinus) granulosus* = *Pisocrinus (\*Granulosocrinus) granulosus*
- Pisocrinus (Pisocrinus) granulosus* Rowley, 1904 = *Pisocrinus (\*Granulosocrinus) granulosus*
- Pisocrinus kolihai* Bouska, 1956 = *Pisocrinus (Granulosocrinus) kolihai*
- Pisocrinus kosovensis* Bouska, 1956 = *Pisocrinus (Granulosocrinus) kosovensis*
- Pisocrinus cf. kosovensis* Bouska, 1956; Militsina, 1973 = *Pisocrinus (Granulosocrinus) kosovensis*
- Pisocrinus lobata* Etheridge, 1904 = *Pisocrinus (Parapisocrinus) lobata* = *Parapisocrinus yassensis*
- Pisocrinus (Parapisocrinus) lobata* Etheridge, 1904 = *Parapisocrinus yassensis*
- Pisocrinus (Parapisocrinus) malobatschatensis* (Dubatolova, 1964); Webster, 1973 = *Parapisocrinus malobatschatensis*
- Pisocrinus milligani* Miller and Gurley, 1895 = *Pisocrinus quinquelobus* = *Parapisocrinus quinquelobus*
- Pisocrinus minutus* Bouska, 1956 (part) = *Pisocrinus (Granulosocrinus) kosovensis*
- Pisocrinus minutus* Bouska, 1956 (part) = Crinoidearum ordo, fam., gen. et sp. ind.
- Pisocrinus minutus* Bouska, 1956 (part) = *Pisocrinus (Granulosocrinus) minutus*
- Pisocrinus morinensis* Bouska, 1956 = *Pisocrinus (Pocillocrinus) morinensis*
- Pisocrinus ollula* Angelin, 1878 = *\*Parapisocrinus ollula*
- Pisocrinus (Parapisocrinus) ollula* Angelin, 1878 = *\*Parapisocrinus ollula*
- Pisocrinus (Parapisocrinus) ollula elegans* (Bouska, 1956) = *Parapisocrinus ollula elegans*



*Pisocrinus (Parapisocrinus) ollula grandis* (Bouska, 1956) = *Parapisocrinus ollula grandis*

*Pisocrinus (Parapisocrinus) ollula hlubocephensis* (Bouska, 1956) = *Parapisocrinus ollula hlubocephensis*

*Pisocrinus (Parapisocrinus) ollula ollula* Angelin, 1878 = \**Parapisocrinus ollula ollula*

*Pisocrinus ornatus* de Koninck, 1858 = *Pisocrinus (Pisocrinus) pilula*

**PISOCRINUS (PARAPISOCRINUS)** Mu, 1954 = **PARAPISOCRINUS**

*Pisocrinus (Parapisocrinus) pribyli* (Bouska, 1956) = *Parapisocrinus ollula grandis*

*Pisocrinus (Parapisocrinus) quinquelobus* Bather, 1893 = *Parapisocrinus quinquelobus*

*Pisocrinus (Parapisocrinus) rimosus* (Bouska, 1956) = *Parapisocrinus ollula grandis*

*Pisocrinus (Parapisocrinus) sphericus* Rowley, 1904 = *Parapisocrinus sphericus*

*Pisocrinus (Parapisocrinus) tennesseensis* (Roemer, 1860) = *Parapisocrinus tennesseensis*

*Pisocrinus (Parapisocrinus) yassensis* Etheridge, 1904 = *Parapisocrinus yassensis*

*Pisocrinus (Parapisocrinus)? cf. yassensis* Etheridge, 1904 = *Parapisocrinus yassensis*

*Pisocrinus (Parapisocrinus) sp.* = *Parapisocrinus sp.*

*Pisocrinus pilula* de Koninck, 1858 = *Pisocrinus (Pisocrinus) pilula*

*Pisocrinus cf. P. pilula* de Koninck, 1858. Gupta and Webster, 1980, p. 6, Pl. 2, figs. 5-9, 12, 15. Webster, 1986, p. 252.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a. Silurian, Karsha Formation. India, Ladakh

*Pisocrinus (Pisocrinus) pilula* var. *yini* Mu, 1954 = *Pisocrinus (Pisocrinus) pilula yini*

**PISOCRINUS (PISOCRINUS)** de Koninck, 1858. \**Pisocrinus pilula* de Koninck, 1858.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Rozhnov, 1981, p. 58. Webster, 1988, p. 132.

Named, currently recognized species based on cups or crowns: 7 species, 1 infrasubspecies. 6 Silurian, 1 Wenlockian, 1 Niagaran, (1 Middle. Silurian subspecies, series not designated), 3 Wenlockian – Ludlovian, 1 Ludlovian – Pridoli; 1 Devonian, Eifelian

Silurian, Niagaran - Pridoli: United States

Silurian, Wenlockian. Poland

Silurian, Wenlockian - Ludlovian. Europe, Russia, Asia  
 Middle Silurian. China  
 Devonian, Eifelian. Germany

*Pisocrinus (Pisocrinus) baccula* Miller and Gurley, 1895 = *Pisocrinus (Granulosocrinus) baccula*

*Pisocrinus (Pisocrinus) benedicti* Miller, 1891. Mu, 1954, p. 325. Webster, 1973, p. 209. Rozhnov, 1981, p. 63, Pl. 4, fig. 4; Fig. 13, no. e. Webster, 1988, p. 132.  
*Pisocrinus benedicti* Miller, S. A., 1891c, p. 29 (adv., pub.). Miller, S. A., 1892a, p. 681, Fig. 1242. Miller, S. A., 1892b, p. 639, Pl. 6, fig. 13-16. Bassler, 1915, p. 980. Springer, 1926a, p. 77, Pl. 24, figs. 28-36. Bassler and Moodey, 1943, p. 611. Lowenstam, 1948, Pl. 5, fig. 5 second from left. Ausich, 1977, p. 684, Fig. 8; Tab. 2. Rozhnov, 1981, p. 63. Webster, 1986, p. 251. Webster, 1988, p. 132.  
 Silurian, Niagaran, Racine Dolomite; Laurel Limestone; Bainbridge Limestone; Liston Creek Formation; Beech River Formation. United States, Indiana, Illinois, Missouri, Tennessee

*Pisocrinus (Pisocrinus) campana* Miller, 1891. Mu, 1954, p. 325. Webster, 1973, p. 209. Rozhnov, 1981, p. 61, Pl. 4, figs. 2-3; Figs. 2, no. a; 8, nos. a-b; 13, no. d. Webster, 1988, p. 132.

*Pisocrinus campana* Miller, S. A., 1891c, p. 32 (adv. pub.). Miller, S. A., 1892a, p. 681. Miller, S. A., 1892b, p. 642, Pl. 2, figs. 4-5. Bassler, 1915, p. 980. Springer, 1926a, p. 76, Pl. 24, figs. 6-27. Bassler and Moodey, 1943, p. 612. Lowenstam, 1948, Pl. 5, figs. 6I, 6K (6I erroneously written 6T). Amsden, 1949, p. 76, Pl. 12, figs. 12-13. Mu, 1954, p. 325. Webster, 1973, p. 209. Brower, 1975a, p. 645, Pl. 74, figs. 1-2, 4; Fig. 4. Ausich, 1977, p. 675, Figs. 6, no. B; 8; Tab. 2. Ausich, 1978, p. 488, Fig. 2, no. A. Webster, 1986, p. 251.

*Pisocrinus campanulata* Lowenstam, 1948, Pl. 6, fig. 8 (sic).  
 Silurian, Wenlockian - Ludlovian, Racine Dolomite; Laurel Limestone; Blue Island Zone; Beech River Formation; Brownsport Formation; *Plectodonta* Mudstones. United States, Indiana, Tennessee; United Kingdom; Sweden; China; Canada, Gaspé Peninsula

*Pisocrinus depressa* (Müller, 1856) = *Pisocrinus (Pisocrinus) depressus*

*Pisocrinus (Pisocrinus) depressus* (Müller, 1856). Prick, 1983, p. 229, Fig. 1. Rozhnov, 1983, p. 106. Rozhnov, 1984, p. 103. Webster, 1988, p. 132.  
*Trichocrinus depressus* Müller, J., 1856, p. 355. Müller, J., 1857, p. 249, Pl. 2, figs. 12-17. 355. Quenstedt, 1885, p. 954, Pl. 76, fig. 22. Bassler and Moodey, 1943, p. 714. Prick, 1983, p. 229. Webster, 1988, p. 132.  
*Triacrinus depressus* (Müller, 1856). Schultze, 1866, p. 108 (adv. pub.). Schultze, 1867, p. 220, Pl. 12, fig. 8. Springer, 1926a, p. 74, Pl. 25, figs. 16-18b. Bassler and Moodey, 1943, p. 714. Weyer, 1965, p. 970. Webster, 1973, p. 259. Rozhnov, 1981, p. 105, Figs. 6, nos. e-i; 21, no. e. Prick, 1983, p. 229. Webster, 1988, p. 132.  
*Pisocrinus depressa* (Müller, 1856). Hauser, 1997, p. 111, Pl. 63, figs. 6-7; Fig. 34.

Devonian, Eifelian, Freilingen Formation, Bohnert Member; Ahback Formation, Hallert Member. Germany, Eifel

*Pisocrinus (Pisocrinus) gemmiformis* Miller, 1879. Mu, 1954, p. 325. Webster, 1973, p. 209. Rozhnov, 1981, p. 62, Pl. 5, figs. 1-5; Figs. 8, no. d; 13, no. v-g. Webster, 1988, p. 132.

*Pisocrinus gemmiformis* Miller, S. A., 1879, p. 113, Pl. 9, figs. 6-6e. Quenstedt, 1885, p. 953, Pl. 76, fig. 23. (incorrectly cited as from Crawfordsville, Indiana, GDW). Lesley, 1889, p. 650. Miller, S. A., 1889, p. 269, Fig. 391. Miller, S. A., 1891 (adv. pub.). Miller, S. A., 1892, p. 636, Pl. 6, figs. 10-12, 24-25. Bassler, 1915, p. 980. Foerste, 1917b, p. 177, Pl. 23, fig. 6. Springer, 1926a, p. 74, Pl. 23, figs. 1-8a. Bassler and Moodey, 1943, p. 612. Moore and Laudon, 1944, p. 147, Pl. 54, fig. 14. Webster, 1973, p. 209. Ausich, 1977, p. 684, Fig. 8; Tab. 2. Webster, 1986, p. 251.

Silurian, Wenlockian - Ludlovian, Osgood Shale; Laurel Limestone; Racine Dolomite; Bainbridge Formation. United States, Illinois, Indiana, Tennessee, Missouri; Sweden, Isle of Gotland

*Pisocrinus (Pisocrinus) gemmiformis* var. *globosus* (Ringueberg, 1884) = *Pisocrinus (Granulosus) globosus*

*Pisocrinus (Pisocrinus) glabellus* Rowley, 1904. Rozhnov, 1981, p. 58. Webster, 1988, p. 132.

*Pisocrinus glabellus* Rowley, R. R., 1904d, p. 270, Pl. 16, figs. 10-12. Bassler, 1915, p. 981. Bassler and Moodey, 1943, p. 612. Webster, 1988, p. 132. Silurian, Ludlovian - Pridoli, Bainbridge Limestone. United States, Missouri

*Pisocrinus (Pisocrinus) gorbyi* Miller, 1891 = *Pisocrinus (Granulosocrinus) gorbyi*

*Pisocrinus (Pisocrinus) granulosus* Rowley, 1904 = *Pisocrinus (\*Granulosocrinus) granulosus*

\**Pisocrinus (Pisocrinus) pilula* de Koninck, 1858. Mu, 1954, p. 325, Pl. 1, figs. 6-7. Webster, 1973, p. 209. Rozhnov, 1981, p. 59, Pls. 1-3; 4, fig. 1; Figs. 3 no. d; 5, no. d; 7, no. e; 13, nos. a-b. Webster and Gupta, 1985, p. 63 (**Note**. Most Gupta localities considered fraudulent, Webster, 1991a). Smith, A. B., 1985, p. 170, Pl. 7.4.16. Webster, 1988, p. 132. Rozhnov, Männil, and Nestor, 1989, p. 74, Pl. 1, fig. 1; Fig. 1. Webster, 1993, p. 92. Holland, 2009, p. 43, Fig. 1.

*Pisocrinus pilula* de Koninck, 1858a, p. 106, Figs. 8-11. de Koninck, 1858b, p. 183, Pl. 4, figs. 8-11. Dujardin and Hupé, 1862, p. 218. Bigsby, 1868, p. 22. Quenstedt, 1885, p. 953, Pl. 76, fig. 24. Bather, 1893a, p. 27, Pl. 1, figs. 1-11. Springer, 1926a, p. 60, Pl. 25, figs. 1-6. Bassler, 1938, p. 153. Bassler and Moodey, 1943, p. 612. Bouska, 1956a, p. 13, Pl. 1, figs. 1-15; Fig. 3. Strimple, 1963d, Fig. 10, no. l. Webster, 1973, p. 209. Ausich, 1977, p. 675, Fig. 3, no. C. Moore and Lane *in* Moore and Teichert, 1978, p. T534, Fig. 332, no. 1. Ubaghs

*in*

- Moore and Teichert, 1978, p. T116, Fig. 89, no. 3. Webster, 1986, p. 252.
- Prokop  
and Petr, 1990, p. 38-40. Webster, 1993, p. 92. Gluchowski, Piotrowski, and Tomczykowa, 1991, p. 291, Pl. 109, figs. 3a-3b. Donovan et al., 2007, p. 50, Fig. 3, nos. H-I. Donovan and Lewis, 2008b, p. 14, Fig. 5, no. E. Donovan et al., 2009, p. 24, Pls. 2, figs. 11-14; 4, fig. 27; Fig. 9.
- Pisocrinus flagellifer* Angelin, 1878, p. 21, Pl. 4, figs. 1a-1e. Zittel, 1880, p. 348, Fig. 235, no. 1a-1c. Zittel, 1895, p. 125, Fig. 238, no. A. Wachsmuth *in* Zittel, 1900, p. 135, Fig. 237, no. A. Weller, S., 1900, p. 31, Figs. 13, 28. Springer *in* Zittel, 1913, p. 208, Fig. 309, no. a. Bassler and Moodey, 1943, p. 612.
- Pisocrinus (Pisocrinus) pilula* var. *flagellifer* Angelin, 1878. Mu, 1954, p. 325, Pl. 1, fig. 10. Webster, 1973, p. 209.
- Pisocrinus ornatus* de Koninck, 1858a, p. 107, Pl. 2, figs. 12-13. de Koninck, 1858b, p. 184, Pl. 4, figs. 12-13. Dujardin and Hupé, 1862, p. 218. Bigsby, 1868, p. 22. Bassler and Moodey, 1943, p. 613.
- Pisocrinus (Pisocrinus) pilula* var. *ornatus* de Koninck, 1858. Mu, 1954, p. 325. Webster, 1973, p. 210.
- ?*Pisocrinus (Granulocrinus) jefferiesi* Rozhnov, 1981, p. 73, Pl. 11, figs. 1-5; Figs. 7, no. v; 15, nos. e-n. Rozhnov, 1983, p. 106. Rozhnov, 1984, p. 103. Webster, 1988, p. 130. Donovan et al., 2009, p. 24.
- Silurian, Wenlockian - Ludlovian, Wenlock Limestone; Liten Formation, Kopanina Formation. United Kingdom, Russia, East Baltic; Czech Republic; Sweden, Isle of Gotland; Asia  
Silurian, Wenlockian (Bielskian). Poland
- Pisocrinus pilula?* de Koninck, 1858. Donovan et al., 2010, p. 47.  
Silurian, Ludlovian, Middle Elton Formation. United Kingdom, Dulow district
- Pisocrinus (Pisocrinus) pilula* var. *flagellifer* Angelin, 1878 = *Pisocrinus (Pisocrinus) pilula*
- Pisocrinus (Pisocrinus) pilula* var. *ornatus* de Koninck, 1858 = *Pisocrinus (Pisocrinus) pilula*
- Pisocrinus (Pisocrinus) pilula yini* Mu, 1954. Mu and Wu, 1974, p. 211, Pl. 97, figs. 33-34. Webster, 1986, p. 252. Chen and Yao, 1993, p. 52, Pl. 11, figs. 3-4.
- Pisocrinus (Pisocrinus) pilula* var. *yini* Mu, 1954, p. 326, Pl. 1, figs. 1-5; Fig. 3. Tien and Mu, 1955, p. 91, Pl. 48, figs. 1-5; Fig. 30. Wang *et. al.*, 1956, p. 316, Unnum. Figs. Webster, 1973, p. 210. Webster, 1977, p. 136.
- Silurian, Lojopingian Series, Hsiou-Shan Group; Luoreping Bed. China, northern Szechuan Province, Yunnan Province
- Pisocrinus (Pisocrinus) pocillum* Angelin, 1878 = *Pisocrinus (\*Pocillocrinus) pocillum*

*Pisocrinus (Pisocrinus) tarialobus* Rozhnov and Männil in Rozhnov, Männil, and Nestor, 1989 = *Pisocrinus (Pisocrinus) trialobus*

*Pisocrinus (Pisocrinus) trialobus* Rozhnov and Männil in Rozhnov, Männil, and Nestor, 1989, p. 75, Pl. 1, fig. 2.

*Pisocrinus (Pisocrinus) tarialobus* Rozhnov and Männil in Rozhnov, Männil, and Nestor, 1989. Webster, 1993, p. 92.

Silurian, early Wenlockian, Yagarakhusky Horizon, Yamayaskaya Suite. Russia, East Baltic

**PISOOCRINUS (POCILLOCRINUS)** Rozhnov, 1981. \**Pisocrinus pocillum* Angelin, 1878.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Rozhnov, 1981, p. 64. Webster, 1988, p. 132. Rozhnov, 2007b, p. 313, Fig. 3, no. d.

Named, currently recognized species based on cups or crowns: 6 species. 3

Silurian, 2 Wenlockian, 1 Ludlovian; 1 Silurian – Devonian Ludlovian – Eifelian;

2 Devonian, 2 Lochkovian

Silurian, Wenlockian - Middle Devonian, Eifelian. Europe, Russia

*Pisocrinus (Pocillocrinus) bogdani* Yeltyschewa, 1968, p. 32, Pl. 4, figs. 9-12. Webster, 1973, p. 207. Rozhnov, 1981, p. 67, Pls. 7, figs. 7-14; 8, figs. 1-17; Figs. 1, nos. v-g; 2, no. b; 3, no. b; 10, no. b; 14, nos. g-d; 18, no. g. Webster, 1988, p. 133.

*Pisocrinus bogdani* Yeltyschewa, 1968. Rozhnov, 1975, p. 70, Fig. 1, nos. v-g.

Rozhnov, 1976, p. 68, Fig. 1, nos. c-d. Rozhnov, 1981, p. 67. Webster, 1986, p.

251. Webster, 1988, p. 133.

Devonian, Lochkovian, Borshov Horizon. Russia, Podolia

*Pisocrinus (Pocillocrinus) concinnus* Rozhnov, 1981, p. 68, Pl. 6, figs. 7-11; Fig. 14, no. e. Webster, 1988, p. 133.

Devonian, Lochkovian. Russia, Ural Mountains

*Pisocrinus (Pocillocrinus) morinensis* Bouska, 1956. Rozhnov, 1981, p. 64, Fig. 3, no. g. Webster, 1988, p. 133. Prokop and Petr, 1990, p. 34. Webster, 1993, p. 92.

*Pisocrinus morinensis* Bouska, 1956a, p. 26, Pl. 3, figs. 4-6. Webster, 1973, p. 208.

Silurian, Ludlovian, Kopanina Limestone. Czech Republic, Bohemia

*Pisocrinus (\*Pocillocrinus) pocillum* Angelin, 1878. Rozhnov, 1981, p. 64, Fig. 8, no. e. Webster, 1988, p. 133.

*Pisocrinus pocillum* Angelin, 1878, p. 21, Pl. 4, figs. 3-3a. Bather, 1893a, p. 33, Pl.

1, figs. 20-23; Figs. 8-11. Springer, 1926a, p. 80, Pl. 25, figs. 11-11a. Bassler

and Moodey, 1943, p. 613. Rozhnov, 1981, p. 64. Webster, 1988, p. 133.

*Pisocrinus (Pisocrinus) pocillum* Angelin, 1878. Mu, 1954, p. 325. Webster, 1973, p. 210.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Pisocrinus (Pocillocrinus) rubeli* Rozhnov and Männil in Rozhnov, Männil, and Nestor, 1989, p. 78, Pl. 1, figs. 5-7. Webster, 1993, p. 92.

Silurian, Wenlockian, Paprenyai Suite. Russia, East Baltic

*Pisocrinus (Pocillocrinus) ubaghsi* Bouska, 1956. Rozhnov, 1981, p. 64, Pls. 6, figs. 1-6; 7, figs. 1-6; Figs. 3, no. v; 14, nos. a-v. Le Menn, 1985, p. 69, Pl. 12, figs. 10-13. Webster, 1988, p. 133.

*Pisocrinus ubaghsi* Bouska, 1956a, p. 27, Pl. 3, figs. 7-14. Strimple, 1963d, Fig. 10, no. i. Yeltyschewa, 1968, p. 31, Pl. 4, figs. 1-8. Webster, 1973, p. 210.

Rozhnov, 1981, p. 64. Webster, 1988, p. 133. Prokop and Petr, 1990, p. 49, 50. Webster, 1993, p. 92. Gluchowski, Piotrowski, and Tomczykowa, 1991, p. 291, Pl. 109, fig. 2. Hauser in Hauser and Sandeta, 2007, p. 71, Figs. 1, 2.

Silurian - Middle Devonian, Ludlovian - Eifelian, Borshov Horizon; Gahard Sandstone, Pridoli Beds. Czech Republic, Bohemia; Russia, Podolia; France Silurian, Podlasian, Rzepin Formation. Poland

*Pisocrinus pocillum* Angelin, 1878 = *Pisocrinus (\*Pocillocrinus) pocillum*

*Pisocrinus* cf. *pocillum* Anglein, 1878. Lowenstam, 1948, Pl. 5, fig. 8.  
Silurian, Niagaran, Blue Island Zone. United States, Illinois

*Pisocrinus pyriformis* (Ringueberg, 1884) = *Pisocrinus (Granulosocrinus) pyriformis*

*Pisocrinus quinquelobus* Bather, 1893 = *Parapisocrinus quinquelobus*

*Pisocrinus quinquelobus?* Bather, 1893. Ausich, 1977, p. 676, Pls. 1, figs. 1-2; 2, figs. 5-6, 14. Webster, 1986, p. 252.  
Silurian. no locality given

*Pisocrinus spatulatus* Strimple, 1954 = *Pisocrinus (Granulosocrinus) spatulatus*

*Pisocrinus sphaericus* Rowley, 1904 = *Pisocrinus (Parapisocrinus) sphaericus* =  
*Parapisocrinus sphaericus*

*Pisocrinus* cf. *sphaericus* Rowley, 1904. Ramsbottom, 1958, p. 113, Pl. 21, fig. 1.  
Webster, 1973, p. 209. Donovan et al., 2009, p. 28, Pl. 5, fig. 2

*Parapisocrinus* cf. *sphaericus* (Rowley, 1904). Donovan et al., 2008, p. 50. Donovan and Lewis, 2008b, p. 14, Fig. 5, no. C. Donovan et al., 2009, p. 28.

Silurian, late Ludlovian, Ludfordian, lower part of Leintwardine Formation. United Kingdom

*Pisocrinus tennesseeensis* (Roemer, 1860) = *Pisocrinus (Parapisocrinus) tennesseeensis*  
= *Parapisocrinus tennesseeensis*

*Pisocrinus tenuis* Bouska, 1956 = *Pisocrinus (Granulosocrinus) tenuis*

*Pisocrinus ubaghsi* Bouska, 1956 = *Pisocrinus (Pocillocrinus) ubaghsi*

*Pisocrinus* aff. *ubaghsi* Bouska, 1956. Hauser in Hauser and Landeta, 2007, p. 74, Pl. 1,

- fig. 3.  
Devonian, early Pragian, Raneces Group, Nieva Formation. Spain
- Pisocrinus varus* Strimple, 1954 = *Pisocrinus (Granulosocrinus) varus*
- Pisocrinus yakovlevi* Bouska, 1956a, p. 22, Pl. 2, fig. 13; Fig. 5. Webster, 1973, p. 210.  
Prokop and Petr, 1990, p. 50. Webster, 1993, p. 93.  
Devonian, Eifelian, Prokop Limestone; *Acanthopyge* Limestone. Czech Republic, Bohemia
- Pisocrinus? yassensis* Etheridge, 1904 = *Pisocrinus (Parapisocrinus) yassensis* =  
*Parapisocrinus yassensis*
- Pisocrinus? yassensis lobatus* Etheridge, 1904 = *Parapisocrinus yassensis*
- Pisocrinus yelyshevae* Rozhnov, 1975 = *Pisocrinus (Granulosocrinus) yelyshevae*
- Pisocrinus* n. sp. Clement and Broadhead, 1994, p. 47.  
Silurian, Pridolian, Decatur Formation. United States, Tennessee
- Pisocrinus* sp. Sevastopulo *et al.*, 1989 = *Calceocrinus turnbulli*
- Pisocrinus* sp. transitional between *Pisocrinus gorbyi* and *P. campana*. Lowenstam, 1948, Pl. 5, figs. 6B-6H, 6J.  
Silurian, Niagaran, Blue Island Zone. United States, Illinois
- Pisocrinus* spp.
- Wachsmuth and Springer, 1889a, p. 363, Pl. 18, fig. 14.  
Silurian. United States, Indiana
- Lowenstam, 1948, Pls. 5, figs. 4-5 (non second from left of fig. 5); 6, figs. 4-6.  
Silurian, Niagaran, Liston Creek Formation, Blue Island Zone. United States, Illinois
- Lane and Breimer, 1974, p. 37, Fig. 1, no. H. Webster, 1986, p. 252.  
No age given
- Frest and Strimple, 1977e, p. 1189, Fig. 2. Webster, 1986, p. 252.  
Silurian, Wenlockian, Laurel Limestone. United States, Indiana
- Ubaghs *in* Moore and Teichert, 1978, p. T116, Fig. 89, no. 5. Webster, 1986, p. 252.  
Late Silurian. Europe; North America; Australia
- Anderson, W. I., 1983, p. 100, Fig. 5.15.  
Silurian, no locality data
- Prokop and Petr, 1990, p. 16. Webster, 1993, p. 92.  
*Pisocrinus bohemicus* Bouska, 1956a, Pl. 2, figs. 12-12a. Prokop and Petr, 1990, p. 16. Webster, 1993, p. 92.  
Devonian, Lochkovian, Kotyz Limestone. Czech Republic
- Brett, 1991, p. 338, Fig. 24, no. A.  
Silurian, Wenlockian. United States, Great Lakes region
- Donovan, 1999, p. 581, Fig. 38.11, nos. B-C. (diagramatic)

Silurian

Webster and Rakhmonov, 2009, p. 236, Fig. 2, nos. G-K.

Devonian, Eifelian, Khodzhakurgan Formation, Novikhoshk Beds. Uzbekistan,  
Zeravashan Range

Rozhnov, 2002, p. S528, Figs. 1, nos. d-f; 12; 59, no. a; 66, nos. a-c ().

**PITHOCRINUS** Kirk, 1945. \**P. cooperi* Kirk, 1945.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Periechocrinidae

Kirk, 1945a, p. 341. Ubaghs, 1953, p. 739. Webster, 1973, p. 210. Macurda, 1974,  
p. 823, Figs. 1-2. Ubaghs *in* Moore and Teichert, 1978, p. T447. Webster,  
1986,

p. 252. Webster, 1988, p. 133.

Named, currently recognized species based on cups or crowns: 4 Devonian species,  
2 Emsian, 1 Eifelian, 1 Givetian

Devonian, late Emsian - early Eifelian. Spain

Devonian, early Givetian. United States, Michigan

*Pithocrinus bifrons* (Schmidt, 1931). Kirk, 1945 = *Pyxidocrinus? bifrons*

\**Pithocrinus cooperi* Kirk, 1945a, p. 343, Pl. 1, figs. 4-7. Breimer, 1962a, p. 46.

Webster, 1973, p. 210. Ubaghs *in* Moore and Teichert, 1978, p. T447, Fig. 255,  
no. 2. Buehler, 1983, p. 30, Fig. 4. Webster, 1986, p. 252. Webster, 1988, p.  
134.

Devonian, early Givetian, Alpena Limestone. United States, Michigan

*Pithocrinus intrastigmatus* (Schmidt, 1931), Kirk, 1945 = *Stamnocrinus intrastigmatus*

*Pithocrinus ovatus* Breimer, 1962a, p. 47, Pls. 4, figs. 1-2; 5, figs. 5-11; Figs. 8-10  
(given as *Pithocrinus* sp. in plate explanation, Pl. 4, fig. 1). Webster, 1973, p.  
210.

Devonian, late Emsian, Santa Lucia Formation. Spain

*Pithocrinus* aff. *P. ovatus* Breimer, 1962. Hauser *in* Hauser and Landeta, 2007, p. 76,  
Pl. 2, fig. 13.

Devonian, early Eifelian, Santa Lucia Formation. Spain

*Pithocrinus spinosus* Breimer, 1962a, p. 54, Pl. 5, figs. 1-4. Webster, 1973, p. 210.

Hauser *in* Hauser and Landeta, 2007, p. 29, Fig. 6; p. 69, Fig. 3.

Devonian, late Emsian, boundary beds of Emsian – Eifelian Santa Lucia Formation.  
Spain

*Pithocrinus waliszewskii* (Oehlert, 1896). Kirk, 1945a, p. 344. Breimer, 1962a, p. 57.

Webster, 1973, p. 210.

*Megistocrinus waliszewskii* Oehlert, 1896, p. 818, Pl. 26, figs. 1-4; Fig. 1. Oehlert,  
1902, p. 86, Pl. 3, figs. 1-4; Fig. 1. Bassler and Moodey, 1943, p. 553. Kirk,  
1945a, p. 344. Webster, 1973, p. 210.

Devonian, early Eifelian, Santa Lucia Formation, Arnao Limestone. Spain



Pitted calyx Franzén, 1973, p. 291, Fig. 4. Webster, 1986, p. 323.  
Silurian, late Wenlockian, Halla Beds. Sweden, Hörsne

**PLAGIOCRINUS** Wanner, 1924. \**P. torynocrinoides* Wanner, 1924.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Supf. Lecanocrinoidea, F.  
Calyocrinidae

Wanner, 1924, p. 110. Bassler, 1938, p. 153. Bassler and Moodey, 1943, p. 613.  
Moore and Laudon, 1943b, p. 76. Branson, C. C., 1948, p. 207. Ubaghs, 1953,  
p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 210. Moore *in* Moore  
and Teichert, 1978, p. T785. Webster, 1986, p. 253.

Named, currently recognized species based on cups or crowns: 3 Permian species  
series uncertain

Permian, series uncertain. West Timor

*Plagiocrinus infratectus* Wanner, 1930, p. 38, Pl. 3, figs. 15-19; 4, fig. 1; Figs. 20-21.

Bassler and Moodey, 1943, p. 614. Branson, C. C., 1948, p. 207.  
Permian, series uncertain. West Timor, Basleo

*Plagiocrinus jaekeli* Wanner, 1924, p. 113, Pl. 6, figs. 3-6; Fig. 5. Bassler and  
Moodey, 1943, p. 614. Branson, C. C., 1948, p. 207. Ubaghs, 1952, p. 213, Fig.  
3, nos. D-E. Webster, 1973, p. 211. Moore *in* Moore and Teichert, 1978, p.  
T785, Fig. 526, nos. 4a-4c.

Permian, series uncertain. West Timor, Basleo

\**Plagiocrinus torynocrinoides* Wanner, 1924, p. 111, Pl. 6, fig. 17; Fig. 4. Bassler,  
1938, p. 153. Bassler and Moodey, 1943, p. 614. Branson, C. C., 1948, p. 207.  
Moore *in* Moore and Teichert, 1978, p. T785, Figs. 525, no. 6; 526, no. 4d (*non*  
Fig. 526, no. 6 as given p. T785). Webster, 1986, p. 253.

Permian, series uncertain. West Timor, Basleo

**PLANACROCRINUS** Moore and Strimple, 1969. \**P. ambix* Moore and Strimple, 1969.  
Sbc. Camerata, O. Monobathrida, Subo. Compsocrinina, Supf. Hexacrinitoidea, F.  
Acrocrinidae

Moore and Strimple, 1969a, p. 15. Webster, 1977, p. 136. Strimple and Hecker,  
1978, p. 7. Moore and Strimple *in* Moore and Teichert, 1978, p. T482. Webster,  
1986, p. 253. Webster, 1988, p. 134.

Named, currently recognized species based on cups or crowns: 5 Pennsylvanian  
species, 3 Morrowan, 1 Atokan, 1 Missourian

Early Pennsylvanian, Morrowan - Atokan, Missourian. United States

\**Planacrocrinus ambix* Moore and Strimple, 1969a, p. 15, Figs. 1, no. 9; 6, nos. 1-8; 7,  
nos. 1-8. Webster, 1977, p. 136. Ubaghs *in* Moore and Teichert, 1978, p. T129,  
Fig. 101, no. 3. Moore and Strimple *in* Moore and Teichert, 1978, p. T482, Figs.  
282, no. 9; 284, on. 1. Broadhead, 1985, p. 210, Fig. 4, nos. C-D. Webster,  
1986, p. 253. Webster, 1988, p. 134. Webster and Kues, 2006, p. 9, Figs.  
4.19-4.21.

Pennsylvanian, Morrowan, Wapanucka Limestone; Osha Canyon Formation. United

States, Oklahoma, New Mexico

*Planacrocrinus conicus* Moore and Strimple, 1969a, p. 19, Fig. 8, nos. 1-5. Webster, 1977, p. 136. Moore and Strimple in Moore and Teichert, 1978, p. T482, Fig. 285, no. 1. Webster, 1986, p. 254.

Pennsylvanian, Morrowan, Wapanucka Limestone, Brentwood Member.  
United States, Oklahoma

*Planacrocrinus klapperi* Strimple and Heckel, 1978, p. 7, Figs. 2-4. Webster, 1986, p. 254.

Pennsylvanian, Missourian, Ladore Shale. United States, Kansas

*Planacrocrinus knappi* Strimple, 1975e, p. 27, Fig. 17, nos. 1-8. Webster, 1986, p. 254.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Planacrocrinus minutus* Moore and Strimple, 1969a, p. 19, Fig. 9, nos. 1-10. Webster, 1977, p. 136.

Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma

**PLANUMCRINITES** Hauser, 2007. \**Planumcrinites hoelleri* Hauser, 2007.

Inf. Flexibilia, F. uncertain

Hauser, 2007, p. 75. Hauser, 2008, p. 37, Fig. 89.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Planumcrinites hoelleri* Hauser, 2007, p. 75, Figs. 3-6. Hauser, 2008, p. 37, Pl. 17, fig. 1; Figs. 87-88.

Devonian, Eifelian, Ahbach Formation. Germany

Plaque de Flexibilia indéterminée Termier, G. and Termier, H., 1950, p. 222, Pl. 219, figs. 35-39 (basal). Webster, 1973, p. 275.

Mississippian, late Viséan. Morocco

Plate diagrams of cups Yakovlev, 1947d, p. 40, Fig. 2. Yakovlev, 1956a, p. 76, Fig. 22, nos. 1-2. Yakovlev, 1958, p. 61, Fig. 22. Yakovlev, 1964a, p. 72, Fig. 24, nos. 1-2. Webster, 1973, p. 275.

No age or locality given

Plate of an encrinite Emmons, 1842, p. 179, Fig. 53, no. 3.

Calciforous Sandrock. United States, New York

Plates of crinoidea or cystoidea Nicholson and Etheridge, 1880, p. 333, Pl. 22, figs. 13-19.

*Platicrinus hieroglyphicus* Romanovsky, 1890, p. 83, Pl. 14, fig. 14 (sic). (Radial, probably not a *Platycrinites*, GDW)

Devonian?. Turkestan

**PLATYACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus brentwoodensis* Moore and Plummer, 1938.

Sbc. Camerata, O. Monobathrida, Subo. Compsocrinina, Supf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 10. Webster, 1977, p. 136. Moore and Strimple *in* Moore and Teichert, 1978, p. T481. Webster, 1986, p. 254. Webster, 1988, p. 134.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Morrowan species

Pennsylvanian, Morrowan. United States

\**Platyacrocrinus brentwoodensis* (Moore and Plummer), 1938. Moore and Strimple, 1969a, p. 10, Figs. 1, no. 4; 3, nos. 1-4; 4, nos. 1-8; 5, nos. 1-4. Webster, 1977, p. 136. Moore and Strimple *in* Moore and Teichert, 1978, p. T481, Figs. 282, no. 4; 283, no. 1. Broadhead, 1985, p. 210, Fig. 4, no. B. Webster, 1986, p. 254. Webster, 1988, p. 134.

*Acrocrinus brentwoodensis* Moore and Plummer, 1938, p. 222, Pl. 12, figs. 3a-d; Fig. 3. Bassler and Moodey, 1943, p. 265. Moore and Strimple, 1969a, p. 10. Webster, 1977, p. 136.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma, Arkansas

*Platyacrocrinus* sp. 1 Hashimoto, 2001, p. 12, Pl. 5, fig. 1; Fig. 7, no. 1.

Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group. Southwest Japan

*Platyacrocrinus* sp. 2 Hashimoto, 2001, p. 13, Pl. 5, figs. 2-4, Fig. 7, no. 2.

Pennsylvanian, Desmoinesian, Akiyoshi Limestone Group. Southwest Japan

"Platycrinid" Brower, 1973, p. 403, Fig. 28. Webster, 1977, p. 136.

Early Silurian. United States

Platycrinitacea? Fam., gen. et sp. indet. Hlebszevitsch, 2005, p. 608, Fig. 3, nos. T.

Pennsylvanian, Las Salinas Formation, LS2 Member. Argentina

Platycrininitid de Witry, 1780, Fig. 6.

Mississippian, Tournaisian. Belgium

Platycrininitidae indet. No. 1 Springer, 1926 = *Hagnocrinus crenus*

Platycrininitid or dichocrinid radial indet. Webster, 1987, p. 102, Fig. 5, no. A. Webster, 1993, p. 93.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

Platycrininitidae sp. 1 Webster and Lane, 1987, p. 36, Fig. 11, nos. 6-7. Webster, 1993, p. 93.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

Platycrinitidae sp. 2 Webster and Lane, 1987, p. 36, Fig. 11, nos. 2-3. Webster, 1993, p. 93.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

Platycrinitidae sp. 3 Webster and Lane, 1987, p. 36, Fig. 11, nos. 4-5. Webster, 1993, p. 93.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

Platycrinitidae sp. 4 Webster and Lane, 1987, p. 37, Fig. 11, no. 1. Webster, 1993, p. 93.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

**PLATYCRINITES** Miller, 1821. \**P. laevis* Miller, 1821.

Sbc. Camerata, O. Monobathrida, Subo. Glyptocrinina, Supf. Platycrinitoidea, F. Platycrinitidae

Miller, J. S., 1821, p. 15, 73. Bronn, 1825, p. 8. Fleming, 1828, p. 496. Goldfuss, 1833, p. 188. Fischer de Waldheim, 1834, p. 321. de Blainville, 1834, p. 262, Pl. 29, fig. 4 (listed as Platycrinite rugueux on plate explanation). Bronn, 1837, p. 60. Goldfuss, 1839, p. 343. Austin and Austin, 1842, p. 109. Austin and

Austin,

1843, p. 6. Bronn, 1848, p. 992. Quenstedt, 1885, p. 951. Bassler, 1915, p. 987. Bassler, 1938, p. 154. Bassler and Moodey, 1943, p. 614. Moore and Laudon, 1943b, p. 101, Fig. 18. Moore and Laudon, 1944, p. 203, Pl. 71, fig. 18. Branson, C. C., 1948, p. 207. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 743, Figs. 99, 139, no. h. Spreng and Parks, 1953, p. 587, Fig. 2, no. d. Xu, 1963, p. 108, Fig. 1, no. b. Arendt and Hecker, 1964, p. 98. Brower, 1970, p. 518. Moore and Strimple, 1973, p. 41. Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 211. Broadhead and Strimple, 1977, p. 1169. Webster, 1977, p. 136. Ubaghs *in*

Moore

and Teichert, 1978, p. T127, Fig. 98, no. 5. Lane *in* Moore and Teichert, 1978, p. T515. Ausich, Kammer, and Lane, 1979, p. 1189, Figs. 6C, no. g; 7A, no. c. Kammer, Ausich, and Lane, 1983, p. 47, Figs. 8, no. c; 14, no. C, item g. Burdick and Strimple, 1983a, p. 167. Kammer, 1984, p. 120. Chen, Z.-t., 1984, p. 370. Bowsher and Strimple, 1986, p. 10. Webster, 1986, p. 254. Webster and Lane, 1987, p. 37. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 134. Ausich and Kammer, 1990, p. 763. Donovan, 1992c, p. 45. Chen and Yao, 1993, p. 43. Webster, 1993, p. 93. Webster, 1997, p. 14. Ausich and Sevastopulo, 2001, p. 67. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 4. Webster et al., 2004, p. 31. Lee, Ausich, and Kammer, 2005, p. 346. Webster, Waters, and Chen, 2009, p. 145. Ausich and Roeser, 2012, p. 501. LeMenn, 2009, p.

468,

Fig. 7.24, no. c. Webster et al., 2011, p. 20.

**CENTROCRINUS** Austin and Austin, 1843, p. 6, 25. \**Platycrinites gigas*

Gilbertson *in* Phillips, 1836. Zittel, 1879, p. 379. Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 614.

*PLATYCRINUS* Phillips, 1836, p. 294. Müller, J., 1844, p. 207. de Koninck, 1842-1844, p. 41. M'Coy, 1844, p. 175. Bronn, 1848, p. 992. d'Orbigny, 1849-51, p. 142. d'Orbigny, 1850, p. 103, 156. Sandberger and Sandberger, 1850-1856, p. 386, Unnum. fig. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 242. Burmeister, 1856, p. 244. Pictet, 1857, p. 330, Pl. 101, fig. 13. Hall, 1858c, p. 525. Eichwald, 1860, p. 601. Dujardin and Hupé, 1862, p. 151. Meek and Worthen, 1866a, p. 170. Shumard, 1868, p. 386. Bigsby, 1868, p. 22. Beyrich, 1871b, p. 400, Unnum. Fig. p. 401 (diagramatic). Salter, 1873, p. 122. de Koninck, 1877-1878, p. 160. Zittel, 1880, p. 344, 364. Wachsmuth and Springer, 1881, p. 65 (249). Miller, S. A., 1889, p. 270. Steinmann and Döderlein, 1890, p. 155, 160. Zittel, 1895, p. 127. Lahusen, 1895, p. 150. Koken, 1896, p. 282. Wachsmuth and Springer, 1897, p. 647. Weller, S., 1898c, 432. Grabau, 1899a, p. 144. Bather *in* Lankester, 1900, p. 157. Wachsmuth *in* Zittel, 1900, p. 139. Weller, S., 1900, p. 139. Steinmann, 1903, p. 175. Delage and Herouard, 1903, p. 383. Steinmann, 1907, p. 196. Grabau and Shimer, 1910, p. 516. Springer *in* Zittel, 1913, p. 190. Schmidt, H., 1929, p. 83. Wright, J., 1938a, p. 267. Bassler, 1938, p. 154. Wanner, 1942b, p. 209, Fig. 5, no. a. Bassler and Moodey, 1943, p. 614.

Cuénot,

1948, p. 68. Webster, 1973, p. 211.

*ATOCRINUS* M'Coy, 1844, p. 183. \**A. milleri* M'Coy, 1844. d'Orbigny, 1849-51, p. 145. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 246. Pictet, 1857, p. 332. Eichwald, 1860, p. 604. Dujardin and Hupé, 1862, p. 156. Zittel, 1880, p. 344, 366. Wachsmuth and Springer, 1881, p. 57 (231). Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 49. Bassler and Moodey, 1943, p. 388. Lane *in* Moore and Teichert, 1978, p. T515.

*EDWARDSOCRINUS* d'Orbigny, 1849. Pictet, 1857, p. 331. Bather *in* Lankester, 1900, p. 157. Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 614. Lane *in* Moore and Teichert, 1978, p. T477.

*EDWARDSOCRINUS* d'Orbigny, 1849-51, p. 145 (by error). (\**Platycrinites ornatus* M'Coy, 1844). d'Orbigny, 1850, p. 157. d'Orbigny, 1851, p. 91, p. 145. Bather *in* Lankester, 1900, p. 157. Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 614. Lane *in* Moore and Teichert, 1978, p. T477.

Named, currently recognized species based on cups or crowns: 71 species, 1 subspecies. 1 Silurian, Wenlockian (**NOTE: NOT *PLATYCRINITES*, NOT INCLUDED IN SPECIES COUNT**, GDW 2013); 62 Mississippian, 21 Tournaisian, 2 Tournaisian – Viséan, 31 Viséan (+1 subspecies), 2 Viséan – Serpukhovian, 3 Serpukhovian, 3 Mississippian undesignated; 2 Permian, 1 Sakmarian, 1 Artinskian

**Note:** I consider all Silurian and possibly most Devonian "*Platycrinites*" to be incorrectly assigned generically, GDW, 2003.

Early - middle Devonian. Germany, North America

Late Devonian - Mississippian. Cosmopolitan

Pennsylvanian, Moscovian. Russia

Pennsylvanian, Desmoinesian. United States

Pennsylvanian, Namurian. United Kingdom, Scotland

Permian, Artinskian. Russia; Australia; United States, Alaska

Permian, Guadalupian. Northern Canada

*Platycrinites absentivus* (Miller, 1891) = *Platycrinites* s.l. *absentivus*

*Platycrinites acclivus* (Miller, 1891). Bassler and Moodey, 1943, p. 614. Ausich and Kammer, 2009, p. 703 (*nomen dubia*).

*Platycrinus acclivus* Miller, S. A., 1891b, p. 12, Pl. 1, figs. 9-10. Weller, S., 1898c, p. 432. Bassler and Moodey, 1943, p. 614.

*Platycrinus acclivus* Miller, 1890. Miller, S. A., 1892a, p. 681

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites aequalis* Wachsmuth and Springer, 1897 = *Platycrinites aqualis*

*Platycrinites aequiternus* (Miller, 1891) = *Platycrinites* s.l. *aequiternus*

*Platycrinites alleni* (Bowsher and Strimple, 1986) = *Platycrinites* s.s. *alleni*

*Platycrinites allophyllus* (Miller, 1891) = *Pleurocrinus allophyllus*

*Platycrinites altidorsatus* (Rowley and Hare, 1891) = *Collicrinus altidorsatus*

*Platycrinites amabilis* (Miller, 1891) = *Platycrinites* s.l. *amabilis*

*Platycrinites americanus* (Owen and Shumard, 1852). Bassler and Moodey, 1943, p. 615. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 17. Brower, 1970, p. 521, Pl. 66, figs. 2-4. Webster, 1973, p. 211. Webster, 1977, p. 137.

*Platycrinus americanus* Owen and Shumard, 1852a, p. 89, Pl. 11, figs. 1a-1b. Owen and Shumard, 1852b, p. 594, Pl. 5-B, figs. 1a-1b. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1889a, p. 345, Pl. 18, fig. 9. Keyes, 1894a, p. 199, Pl. 25, figs. 2a-2b. Wachsmuth and Springer, 1897, p. 686, Pl. 75, figs. 10-13c. Weller, S., 1898c, p. 434. Grabau and Shimer, 1910, p. 518. Bassler and Moodey, 1943, p. 615.

*Platycrinus broadheadi* Miller, S. A., 1891b, p. 21, Pl. 2, fig. 15. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 615.

*Platycrinus truncatus* Hall, 1858c, p. 537, Fig. 59. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 615.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Redwall Limestone, Mooney Falls Member, Thunder Springs Member or Mooney Falls Member. United States, Iowa, Arizona

*Platycrinites anaglypticus* Goldfuss, 1839 = *Hexacrinites anaglypticus* = *Megaradialocrinus anaglypticus*

*Platycrinites anguliferus* (Whidborne); Bassler and Moodey, 1943 = Order, family, genus, and species uncertain C = *Platycrinites?* *anguliferus*

*Platycrinites?* *anguliferus* (Whidborne, 1898).

*Platycrinus? anguliferus* Whidborne, 1898 (pt), p. 223, Pl. 37, figs. 8-12. Lane, Maples, and Waters, 2001a, p. 1059.

*Platycrinites anguliferus* (Whidborne); Bassler and Moodey, 1943. Lane, Maples, and Waters, 2001a, p. 1059.

*Platycrinites?* sp. Lane, Maples, and Waters, 2001a, p. 1059.

**Note:** Lane et al., assigned *Platycrinus anguliferus* Whidborne to *Platycrinites?* sp. However, a species had been assigned, therefore it has precedence and should be used, although the genus may be uncertain. GDW, 2011.

Devonian, Famennian. United Kingdom, North Devon

*Platycrinites ann dixonii* Troost, 1850 = *Coccocrinus bacca* = *Lyonocrinus bacca*

*Platycrinites annosus* (Miller, 1891) = *Platycrinites* s.l. *annosus*

*Platycrinites antheliontes* Austin and Austin, 1842, p. 109. Austin and Austin, 1843a, p. 199. Austin and Austin, 1843b, p. 27, Pl. 2, figs. 3k-3r. Bassler and Moodey, 1943, p. 615. Ausich and Kammer, 2006, p. 102 (considered *nomen dubium*).

(**Note:** Figs. 3n-3r are not the same species, GDW 2012)

*Platycrinus antheliontes* (Austin and Austin, 1842). Bronn, 1848, p. 993. Mississippian, series not given. United Kingdom

*Platycrinites anulus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 615.

*Platycrinus anulus* Quenstedt, 1876, p. 551, Pl. 109, fig. 18. Bassler and Moodey, 1943, p. 615.

Mississippian, series not given. Ireland

*Platycrinites aoudjaensis* Webster et al., 2004, p. 33, Pl. 8, figs. 20-21.

?*Platycrinus spinifer elongatus* Termier and Termir, 1950. Webster et al., 2004, p. 33.

Mississippian, Serpukovian, E1, Aïn Mezerelt Formation, Mouizeb el Atchane Member. Algeria

*Platycrinites applanatus* Chen and Yao, 1993 = *Platycrinites* s.s. *applanatus*

*Platycrinites aqualis* (Hall, 1861). Bassler and Moodey, 1943, p. 615. Webster, 1977, p. 137.

*Platycrinus aqualis* Hall, 1861b, p. 17. Weller, S., 1898c, p. 433. Bassler and Moodey, 1943, p. 615.

*Platycrinus aequalis* Hall, 1861. Shumard, 1868, p. 386. Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1897, p. 674, Pl. 71, figs. 4a-5.

*Platycrinites aequalis* (Hall, 1861). Laudon, 1973b, p. 31, Fig. 6.

*Platycrinus batiola* Miller, S. A., 1891b, p. 22, Pl. 3, figs. 1-2. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 433. Bassler and Moodey, 1943, p. 615.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Platycrinites arenosus* (de Koninck and Le Hon, 1854) = *Platycrinites* s.l. *arenosus*

*Platycrinites armatus* (Münster, 1839). Bassler and Moodey, 1943, p. 615. Ausich and Kammer, 2009, p. 704, *nomen nudum*.

*Platycrinus armatus* Münster, 1839, p. 5. Bassler and Moodey, 1943, p. 615. Mississippian, Tournaisian. Belgium

*Platycrinites asiatica* (Minato, 1951) = *Platycrinites* s.l. *asiatica*

*Platycrinites asper* (Meek and Worthen, 1861). Bassler and Moodey, 1943, p. 615.

*Platycrinus (Pleurocrinus) asper* Meek and Worthen, 1861, p. 129. Meek and Worthen, 1868c, p. 468, Pl. 18, fig. 9, Unnum. Fig. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 615.

*Platycrinus asper* Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270, Fig. 392. Wachsmuth and Springer, 1897, p. 690, Pl. 68, figs. 9a-9b. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 615.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Platycrinites augusta* (Slocum, 1907) = *Hagnocrinus augusta*

*Platycrinites austinianus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 616. Ubaghs in Moore and Teichert, 1978, p. T169, Fig. 140, no. 2.

Webster, 1986, p. 254.

*Platycrinus austinianus* de Koninck and Le Hon, 1854, p. 169, Pl. 5, figs. 3a-3b.

Schmidt, H., 1933, p. 38, Pl. 5, fig. 7. Bassler and Moodey, 1943, p. 616.

*Platycrinus trigintidactylus* Austin and Austin, 1843 (part), p. 50, Pl. 3, fig. 1a (*non* 1b-1h). Bassler and Moodey, 1943, p. 616.

Mississippian, Tournaisian, Mountain Limestone. Belgium, Ireland

*Platycrinites balladooensis* (Wright, 1938) = *Platycrinites balladoolensis* = *Pleurocrinus balladoolensis*

*Platycrinites basicraniatus* Laudon and Severson, 1953, p. 533, Pls. 54, fig. 1; 55, fig. 24. Webster, 1973, p. 211.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Platycrinites bedfordensis* (Hall and Whitfield, 1875) = *Platycrinites* s.l. *bedfordensis*

*Platycrinites beirdneauensis* Webster, 1997, p. 16, Pl. 3, figs. 1, 2B, 4, 6B, 7.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Platycrinites bellmanensis* (Wright, 1942). Wright, J., 1948, p. 51, Pl. 5, figs. 7-10.

Wright, J., 1956b, p. 279, Pl. 71, figs. 9-12, 14-16, 18-19, 21-22. Webster, 1973, p. 211.

*Platycrinus bellmanensis* Wright, J., 1942, p. 270, Pl. 11, figs. 9-16. Wright, J., 1948,



p. 51. Webster, 1973, p. 211.  
Mississippian, Viséan, C<sub>2</sub>. United Kingdom

*Platycrinites blairi* (Miller, 1891) = *Platycrinites* s.l. *blairi*

*Platycrinites bollandensis* (Wright, 1938) = *Platycrinites* s.l. *bollandensis*

*Platycrinites bonoensis* (Miller, 1891) = *Platycrinites georgii*

*Platycrinites boonvillensis* (Miller, 1891) = *Platycrinites georgii*

*Platycrinites bozemanensis* (Miller and Gurley, 1897). Laudon and Severson, 1953, p. 532, Pl. 54, figs. 2-7. Laudon, 1967, p. 1492, Pls. 193, 194; Figs. 1-6. Webster, 1973, p. 211. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 316, nos. 2c-2e. Oviatt, 1985, p. 7, Fig. 9. Webster, 1986, p. 254. Webster, 1988, p. 134. Webster, 1997, p. 14, Pl. 3, fig. 6A.

*Platycrinites? bozemanensis* Miller and Gurley, 1897. Bassler and Moodey, 1943, p. 616.

*Platycrinus bozemanensis* Miller and Gurley, 1897, p. 42, Pl. 3, fig. 5. Miller, S. A., 1897, p. 749. Weller, S., 1898c, p. 435. Bassler and Moodey, 1943, p. 616. Wolf, 1979, p. 150, Fig. 1, no. e. Webster, 1986, p. 254.

*Platycrinities bozemanensis* Miller and Gurley, 1897. Gahn, 1995, p. 116, Fig. 4, nos. 1-2 (sic).

*Dichocrinus bozemanensis* (Miller and Gurley, 1897). Laudon, 1933, p. 52, Pl. 6, figs. 1-2. Bassler and Moodey, 1943, p. 616.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Gilmore City Formation; Henderson Canyon Formation, Brush Canyon and Devil Creek Members. United States, Montana, Iowa, Utah

*Platycrinites? bozemanensis* Miller and Gurley, 1897 = *Platycrinites bozemanensis*

*Platycrinites brevinodus* (Hall, 1861). Bassler and Moodey, 1943, p. 616. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 137. Ausich and Kammer, 1990, p. 771, Figs. 8.5, 8.11-8.12.

*Platycrinus brevinodus* Hall, 1861a, p. 286. Hall, 1861b, p. 4. Hall, 1861c, p. 286. Shumard, 1868, p. 387. Hall, 1872c, Pl. 2A, fig. 5. Wachsmuth and Springer, 1897, p. 688, Pl. 70, figs. 2, 5, 6a-6b. Weller, S., 1898c, p. 435. Bassler and Moodey, 1943, p. 616. Ausich and Kammer, 1990, p. 771. Webster, 1993, p. 93. Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Keokuk Limestone, Montrose Chert Member; Ramp Creek Formation. United States, Iowa, Indiana, Missouri

*Platycrinites brevis* Goldfuss, 1839 = *Hexacrinus brevis* = *Hexacrinites brevis* = *Megaradialocrinus brevis*

*Platycrinites bridgerensis* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 617.

*Platycrinus bridgerensis* Miller and Gurley, 1897, p. 43, Pl. 3, fig. 8. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 435. Bassler and Moodey, 1943, p. 617. Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Platycrinites brittsi* (Miller, 1891) = *Platycrinites* s.l. *brittsi*

*Platycrinites burlingtonensis* (Owen and Shumard, 1850) = *Platycrinites* s.s. *burlingtonensis*

*Platycrinites* cf. *P. burlingtonensis* (Owen and Shumard, 1850) = *Talarocrinus planus*

*Platycrinites calyculus* (Hall, 1861). Bassler and Moodey, 1943, p. 617. Ausich and Kammer, 2009, p. 703, *nomen dubium*.

*Platycrinus calyculus* Hall, 1861b, p. 16. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Platycrinites canadensis* Laudon and Severson, 1953, p. 532, Pls. 54, fig. 8; 55, fig. 25. Webster, 1973, p. 211. Webster, 1997, p. 15, Pl. 3, fig. 3.

*Platycrinities canadensis* Laudon and Severson, 1953. Gahn, 1995, p. 116, Fig. 4, nos. 3-4.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Henderson Canyon Formation, Brush Canyon Member. United States, Montana, Utah

*Platycrinites* sp. cf. *P. canadensis* Laudon and Severson, 1953. Webster, 1997, p. 16. Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Platycrinites canaliculatus* (Hall, 1858). Bassler and Moodey, 1943, p. 617.

*Platycrinus canaliculatus* Hall, 1858c, p. 539. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1897, p. 689, Pl. 75, figs. 7a-7b. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa

*Platycrinites casula* (Miller and Gurley, 1895) = *Platycrinites* s.s. *casula*

*Platycrinites cavus* (Hall, 1858) = *Plemnocrinus cavus*

*Platycrinites chouteauensis* (Miller, 1892) = *Platycrinites* s.l. *chouteauensis*

*Platycrinites clinatus* (Miller and Gurley, 1895) = *Platycrinites* s.l. *clinatus*

*Platycrinites colletti* (Miller, 1892) = *Platycrinites* s.l. *colletti*

*Platycrinites concinnulus* (Miller and Gurley, 1896) = *Platycrinites* s.s. *concinnulus*

- Platycrinites concinnus* (Miller, 1891) = *Paradichocrinus concinnus*
- Platycrinites conglobatus* (Wright, 1937) = *Platycrinites* s.l. *conglobatus*
- Platycrinites conglobatus* (Wright); Chen and Yao, 1993 = *Platycrinites* s.s. *xiyiensis*
- Platycrinites contractus* (Gilbertson, 1836) = *Platycrinites* s.l. *contractus*
- Platycrinites contritus* (Hall, 1863) = *Platycrinites* s.l. *contritus*
- CCCCC*Platycrinites* sp. cf. *P. contritus* (Hall and Whitfield, 1875). Brower, 1970, p. 522, Pl. 66, fig. 5. Webster, 1977, p. 137.  
Mississippian, Viséan (Osagean), Redwall Limestone, Whitmore Wash Member, Thunder Springs Member. United States, Arizona
- Platycrinites corbuliformis* (Rowley and Hare, 1891) = *Platycrinites* s.l. *corbuliformis*
- Platycrinites coronatus* Goldfuss, 1839 = *Pleurocrinus coronatus*
- Platycrinites corporiculus* (Ringueberg, 1886) = *Platycrinus corporiculus*
- Platycrinites cortina* (Miller and Gurley, 1894) = *Platycrinites* s.l. *cortina*
- Platycrinites cranei* Strimple and McGinnis, 1970 = *Eucladocrinus cranei*
- Platycrinites crassiconus* (Wright, 1937). Bassler and Moodey, 1943, p. 618. Wright, J., 1956b, p. 278, Pls. 71, figs. 20, 23, 35; 74, figs. 1-5. Webster, 1973, p. 212.  
*Platycrinus crassiconus* Wright, J., 1937, p. 392, Pls. 13, figs. 15-16; 15, fig. 15: Fig. 4. Wright, J., 1939, p. 10, Pl. 12, figs. 15-19; Fig. 4. Bassler and Moodey, 1943, p. 618.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland
- Platycrinites crassus* (Miller, 1821) = *\*Poteriocrinites crassus*
- Platycrinites? crokeri* Campbell and Bein, 1971 = *Platycrinites testudo* = *Platycrinites* s.l. *testudo*
- Platycrinites cruciatus* (Quenstedt, 1876) = *Platycrinites* s.l. *cruciatus*
- Platycrinites cupulatus* Chen and Yao, 1993 = *Platycrinites* s.s. *cupulatus*
- Platycrinites curryvillensis* (Rowley and Hare, 1891) = *Platycrinites* s.l. *curryvillensis*
- Platycrinites davisii* (Wachsmuth and Springer, 1897) = *Platycrinites* s.s. *davisii*
- Platycrinites decadactylus* Laudon, Parks, and Spreng, 1952, p. 573, Pls. 68, figs. 17-18; 69, fig. 25. Webster, 1973, p. 212.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Platycrinites decoratus* (Roemer, 1866). Bassler and Moodey, 1943, p. 619. Ausich and Kammer, 2009, p.703, *nomen dubium*.

*Platycrinus decoratus* Roemer, F. A., 1866b, p. 227. Bassler and Moodey, 1943, p. 619.

Devonian, Givetian, *Stringocephalus* Limestone. Germany

*Platycrinites devonicus* (Rowley, 1903). Bassler and Moodey, 1943, p. 619. Ausich and Kammer, 2009, p.703, *nomen dubium*.

*Platycrinus devonicus* Rowley, R. R., 1903b, p. 114, Pl. 35, figs. 10-11. Bassler and Moodey, 1943, p. 619.

Devonian, Emsian, Jeffersonville Limestone. United States, Ohio

*Platycrinites diadema* (M'Coy, 1849) = *Pleurocrinus diadema*

*Platycrinites directus* Wright, 1938 = *Pleurocrinus directus*

*Platycrinites discoideus* (Owen and Shumard, 1850) = *Platycrinites* s.l. *discoideus*

*Platycrinites discoideus* (Owen and Shumard, 1850) Wachsmuth and Springer, 1897 = *Laticrinus oweni*

*Platycrinites "discoideus"* (Owen and Shumard, 1850). Haugh, 1973a, p. 82, Pls. 1, fig. 22; 2, fig. 3. Webster, 1977, p. 137.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Louisiana, Missouri

*Platycrinites* sp. cf. *P. discoideus* (Owen and Shumard, 1850). Brower, 1970, p. 523, Pl. 66, figs. 15-16, 21; Fig. 86, nos. A-B. Webster, 1977, p. 137.

Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or Mooney Falls Member. United States, Arizona

*Platycrinites djihaniensis* Webster et al., 2004 = *Platycrinites* s.l. *dilhaniensis*

*Platycrinites* cf. *djihaniensis* Webster et al., 2004, p. 34, Pl. 8, figs. 11-13.

Mississippian, Serpukovian, E2, top of Djenien Formation. Algeria

*Platycrinites dodgei* (Rowley, 1908) = *Platycrinites* s.l. *dodgei*

*Platycrinites echinatus* Sandberger, 1845, p. 435. Bassler and Moodey, 1943, p. 619. Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus echinatus* Sandberger, 1845. Bronn, 1848, p. 993.

Devonian, Eifelian. Germany

*Platycrinites elegans* (Hall, 1861). Bassler and Moodey, 1943, p. 619.

*Platycrinus elegans* Hall, 1861a, p. 285. Hall, 1861b, p. 4. Hall, 1861c, p. 285.

Shumard, 1868, p. 388. Hall, 1872b, Pl. 2A, fig. 15. Miller, S. A., 1889, p. 270.

Whitfield, 1893b, p. 3, Fig. 1. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 619.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Platycrinites ellesmerense* Broadhead and Strimple, 1977 = *Pleurocrinus ellesmerense*

*Platycrinites elongatus* Goldfuss, 1839 = *Hexacrinus elongatus* = *Hexacrinites elongatus*

*Platycrinites eminulus* (Hall, 1861) = *Platycrinites* s.l. *eminulus*

*Platycrinites excavatus* (Hall, 1861) = *Platycrinites* s.l. *excavatus*

*Platycrinites expansus* (M'Coy, 1844) = *Platycrinites* s.l. *expansus*

*Platycrinites* cf. *expansus* (M'Coy) Termier and Termier, 1950 = *Pleurocrinus* sp.

*Platycrinites exsculptus* Goldfuss, 1839 = *Hexacrinus exsculptus* = *Hexacrinites exsculptus* = *Megaradialocrinus exsculptus*

*Platycrinites externus* Wright, 1956 = *Elegantocrinus externus*

*Platycrinites faberi* (Miller, 1889) = *Platycrinites* s.l. *faberi*

*Platycrinites fermanaghensis* Wright, J., 1956 = *Platycrinites* s.l. *fermanaghensis*

*Platycrinites fermanaghensis* (Wright); Chen and Yao, 1993 = *Platycrinites* s.s. *xiyiensis*

*Platycrinites formosus* (Miller and Gurley, 1895) = *Collicrinus formosus*

*Platycrinites formosus approximatus* (Miller and Gurley, 1896) = *Collicrinus formosus*

*Platycrinites geometricus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 620.

*Platycrinus geometricus* Wachsmuth and Springer, 1897, p. 697, Pls. 67, fig. 10; 68, fig. 8. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 620.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Platycrinites georgii* (Hall, 1859). Ausich and Kammer, 1990, p. 768, Figs. 8.1-8.4, 8.6-8.10, 8.13-8.14. Webster, 1993, p. 94. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 6.

*Platycrinus georgii* Hall, 1859a, p. 82, Pl. 1, fig. 7. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 1990, p. 768.

- Platycrinus niotensis* Meek and Worthen, 1865. Wachsmuth and Springer, 1897 (part), Pl. 71, fig. 9. Ausich and Kammer, 1990, p. 768.
- Platycrinus bonoensis* White, C. A., 1878, p. 30. White, C. A., 1880c, p. 160, Pl. 40, fig. 5a. White, C. A., 1883b, p. 160, Pl. 40, fig. 5a. Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1897, p. 683, Pl. 69, fig. 6. Weller, S., 1898c, p. 434. Beede, 1906, p. 1255, Pl. 13, fig. 2. Grabau and Shimer, 1910, p. 519. Bassler and Moodey, 1943, p. 616. Feldman, 1989b, p. 908, Fig. 4, nos. 3-4. Ausich and Kammer, 1990, p. 768. Webster, 1993, p. 93.
- Platycrinites bonoensis* (White, 1878). Bassler and Moodey, 1943, p. 616.
- Platycrinus boonvillensis* Miller, S. A., 1891b, p. 8, Pl. 1, figs. 1-2. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 681, Pl. 72, figs. 8a-9. Weller, S., 1898c, p. 435. Beede, 1906, p. 1256, Pl. 14, figs. 5-5b. Bassler and Moodey, 1943, p. 616. Ausich and Kammer, 1990, p. 768.
- Platycrinites boonvillensis* (White, 1878). Bassler and Moodey, 1943, p. 616.
- Platycrinus aeternalis* Miller, S. A., 1891, p. 11, Pl. 1, fig. 8. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 616. Ausich and Kammer, 1990, p. 768.
- Platycrinus caducus* Miller, S. A., 1892a, p. 681. Miller, S. A., 1892c, p. 13, Pl. 2, fig. 13. Miller, S. A., 1894, p. 267, Pl. 2, fig. 13. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 616. Ausich and Kammer, 1990, p. 768.
- Mississippian, Viséan (Osagean – Meramecian), Keokuk Limestone; lower and upper parts of Warsaw Limestone; Ramp Creek Formation; Harrodsburg Limestone, Salem Limestone, Somerset Shale Member; Spergen Limestone; Muldraugh Member, Borden Formation. United States, Indiana, Illinois, Iowa, Kentucky, Missouri
- Platycrinites germanus* (Miller and Gurley, 1895) = *Platycrinites* s.l. *germanus*
- Platycrinites gerolsteinensis* Steininger, 1849, p. 21. Steininger, 1853, p. 37. Bassler and Moodey, 1943, p. 620. Ausich and Kammer, 2009, p. 703, *nomen dubia*. Devonian, Eifelian. Germany
- Platycrinites gigas* (Phillips, 1836) = *Platycrinites* s.s. *gigas*
- ?*Platycrinites gigas* (Gilbertson in Phillips), 1836. Wright, J., 1946b, p. 126, Pl. 8, fig. 4 (one ray of arms). Webster, 1973, p. 212. Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland
- Platycrinites glyptus* (Hall, 1861). Bassler and Moodey, 1943, p. 620. Laudon, 1937b, p. 31, Fig. 6. Webster, 1977, p. 138. Lee, Ausich, and Kammer, 2005, p. 346.
- Platycrinus glyptus* Hall, 1861b, p. 16. Shumard, 1868, p. 388. Wachsmuth and Springer, 1885, Pl. 7, fig. 5. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 693, Pl. 67, figs. 4-5. Weller, S., 1898c, p. 439. Moore, 1939b, p. 231, Fig. 11, no. 8. Bassler and Moodey, 1943, p. 620. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Platycrinites goldfussi* (Münster, 1839). Bassler and Moodey, 1943, p. 620. (Not a *Platycrinites*, GDW, 2003). Ausich and Kammer, 2009, p. 703.

*Platycrinus goldfussi* Münster, 1839, p. 32, Pl. 1, figs. 2a-2b. Bronn, 1848, p. 993.  
Bassler and Moodey, 1943, p. 620.

Devonian, Eifelian. Germany

*Platycrinites gorbyi* (Miller, 1891) = *Plemnocrinus gorbyi*

*Platycrinites granosus* (de Koninck and Le Hon, 1854) = *Elegantocrinus granosus*

*Platycrinites granulatus* Miller, J. S., 1821 = *Platycrinites* s.l. *granulatus*

*Platycrinites granulatus* (Miller, 1821) = *Platycrinites granulatus* = *Platycrinites* s.l. *granulatus*

*Platycrinites* cf. *granulatus* Miller; Wright, 1938 = *Pleurocrinus insulsus* =  
*Elegantocrinus insulus*

*Platycrinites graphicus* (Hall, 1863) = *Platycrinites* s.l. *graphicus*

*Platycrinites guttifer* Schmidt, 1930 = *Platycrinites* s.l. *guttifer*

*Platycrinites halli* (Shumard, 1866) = *Elegantocrinus halli*

*Platycrinites halos* Webster and Jell, 1999 = *Platycrinites* s.l. *halos*

*Platycrinites hamarensis* Webster and Jell, 1999 = *Platycrinites* s.l. *hamarensis*

*Platycrinites haydeni* Meek, 1873, p. 469. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 440. Bassler and Moodey, 1943, p. 621.

*Platycrinus haydeni* (Meek, 1873). White, C. A., 1880b, p. 122, Pl. 33, fig. 7a.  
Weller, S., 1898c, p. 440.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Platycrinites hemisphaericus* (Meek and Worthen, 1865) = *Elegantocrinus hemisphaericus*

*Platycrinites hemisphaericus?* (Meek and Worthen, 1865).

*Platycrinites hemisphericus?* (Meek and Worthen, 1865). Kammer, 1984, p. 120,  
Fig. 2, nos. K-L. Webster, 1988, p. 134.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky

*Platycrinites hemisphericus?* (Meek and Worthen, 1865) = *Platycrinites herisphaericus?*

*Platycrinites hieroglyphicus* Goldfuss, 1839 = *Megaradialocrinus hieroglyphicus*

*Platycrinites hodgsoni* (Miller and Gurley, 1896) = *Platycrinites* s.l. *hodgsoni*

*Platycrinites humilis* (Wright, 1938) = *Platycrinites* s.l. *humilis*

*Platycrinites huntsvillae* Troost, 1850a, p. 61. Troost, 1850b, p. 420. Bassler and Moodey, 1943, p. 622. Ubaghs, 1953, p. 743, Fig. 55. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 213. Webster, 1977, p. 138.

*Platycrinus huntsvillae* (Troost, 1850). Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 678, Pl. 73, figs. 6-12. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 440. Bather *in* Lankester, 1900, p. 158, Fig. 71, no. 2. Wood, E., 1909, p. 38, Pl. 5, figs. 10-12. Grabau and Shimer, 1910, p. 520, Figs. 1806, nos. b-c; 1843. Butts, C., 1917, p. 59, Pl. 14, figs. 1-8. Miller, A. M., 1919, p. 108, Pl. 59, figs. 1-8. Butts, C., 1926, p. 181, Pl. 59, figs. 27-31. Bassler and Moodey, 1943, p. 622.

*Platycrinus alabamensis* Miller, S. A., 1891c, p. 50 (adv. pub.). Miller, S. A., 1892a, p. 681. Miller, S. A., 1892b, p. 660, Pl. 9, fig. 5. Weller, S., 1898c, p. 440.

Bassler

and Moodey, 1943, p. 622.

*Platycrinus penicillus* Meek and Worthen, 1860, p. 380. Meek and Worthen, 1866a, p. 266, Pl. 19, figs. 6a-6b. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 440. Weller, S., 1917, p. 258, Pl. 38, figs. 2a-2c. Weller, S., 1920, p. 333, Pl. 5, figs. 1-4. Butts, C., 1941, p. 251, Pl. 132, figs. 45-53. Bassler and Moodey, 1943, p. 622. Butts, C., 1948, p. 46, Pl. 6, figs. 11-18. Webster, 1973, p. 213.

*Platycrinites penicillus* (Meek and Worthen, 1860). Burdick and Strimple, 1983a, p. 167, Pl. 2, figs. 4, 6, 8-9, 11, 13. Horowitz, 1984, p. 8. Webster, 1988, p. 134. Newell, 2005, p. 31, Fig. 3, nos. 10-12 (unidentified, after Wood, 1909, pl. 5). Ausich, 2009a, p. 487, suppl. p. 40.

*Platycrinus plenus* Meek and Worthen, 1860, p. 381. Meek and Worthen, 1866a, p. 267, Pl. 20, fig. 3. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 440. Bassler and Moodey, 1943, p. 622.

*Platycrinites polydactylus* Troost, 1850a, p. 62. Troost, 1850b, p. 420. Wood, E., 1909, p. 38. Bassler and Moodey, 1943, p. 622.

*Platycrinus polydactylus* Troost, 1850. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271.

Mississippian, Viséan - Serpukhovian (late Meramecian - early Chesterian), St Louis Limestone; Ste. Genevieve Limestone and equivalents. United States, Alabama, Illinois, Kentucky, Virginia, Georgia

*Platycrinites* sp. cf. *P. huntsvillae* Troost, 1849. Brower, 1970, p. 524, Pl. 66, fig. 6. Webster, 1977, p. 138.

Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member. United States, Arizona

*Platycrinites illinoisensis* (Miller and Gurley, 1896) = *Platycrinites* s.l. *illinoisensis*



*Platycrinites incomptus* (White, 1863) = *Eucladocrinus incomptus*

*Platycrinites ?incomptus* (White, 1863). Lane and Dubar, 1983, p. 119, Fig. 3, no. M.  
Webster, 1988, p. 134.

Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States,  
Kentucky

*Platycrinites insculptus* Troost, 1850a, p. 62. Troost, 1850b, p. 420. Bassler and  
Moodey, 1943, p. 622. Ausich and Kammer, 2009, p. 703, *nomen dubia*. Ausich,  
2009a, p. 487, suppl. p. 40.

*Platycrinus insculptus* (Troost, 1850). Shumard, 1868, p. 388. Miller, S. A., 1889,  
p. 271. Wood, E., 1909, p. 40, Pl. 4, fig. 18. Bassler and Moodey, 1943, p. 622.  
Mississippian, Serpukhovian (Chesterian). United States, Tennessee, Alabama

*Platycrinites insolens* (Rowley and Hare, 1891) = *Platycrinites* s.l. *insolens*

*Platycrinites insulsus* Wright, J., 1956 = *Elegantocrinus insulsus*

*Platycrinites insulus* Wright; Chen and Yao, 1993 = *Platycrinites* s.s. *langbaensis*

*Platycrinites intermedius* Chen and Yao, 1993 = *Platycrinites* s.s. *intermedius*

*Platycrinites interscapularis* (Phillips, 1841) = *\*Hexacrinites interscapularis*

*Platycrinites? inverteiensis* (Wright, 1942) = *Platycrinites* s.l. *inverteiensis*

*Platycrinites? inverteiensis* (Wright); Chen and Yao, 1993 = *Platycrinites* s.s. *xiyiensis*

*Platycrinites jameswrighti* Donovan and Westhead, 1987 = *Platycrinites* s.l.  
*jameswrighti*

*Platycrinites laciniatus* (Gilbertson, 1836) = *Platycrinites* s.l. *laciniatus*

*Platycrinites? laciniatus* (Gilbertson in Phillips, 1836) = *Platycrinites* s.l. *laciniatus*

*Platycrinites laevis* Miller, J. A., 1821 = *\*Platycrinites* s.s. *laevis*

*Platycrinites laevis?* Miller, 1821. de Koninck, 1877-1878, p. 160, Pl. 6, figs. 6-6a. de  
Koninck, 1898, p. 122, Pl. 6, figs. 6-6a (basal circlet).

Mississippian, series not given. Australia, New South Wales

*Platycrinites* aff. *laevis* Miller, 1821. Eichwald, 1840b, p. 174, unfig. (Not a  
*Platycrinites*,  
GDW.)

Silurian. Estonia

*Platycrinites lodensis* (Hall and Whitfield, 1875) = *Platycrinites* s.l. *lodensis*

*Platycrinites lodiensis* (Hall and Whitfield, 1875) = *Platycrinites lodensis*

*Platycrinites marginatus* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 623.  
Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus marginatus* Rowley and Hare, 1891a, p. 98, Pl. 2, fig. 3. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 623.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri

*Platycrinites megastylus* (M'Coy, 1849). Bassler and Moodey, 1943, p. 623. Wright, J., 1956b, p. 281, Pl. 69, figs. 1-4. Webster, 1973, p. 213. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 6.

*Platycrinus megastylus* M'Coy, 1849, p. 248. M'Coy, 1854, p. 108. Bassler and Moodey, 1943, p. 623.  
Mississippian, Tournaisian?, Mountain Limestone. United Kingdom, Scotland

*Platycrinites microbasalis* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 623.

*Platycrinus microbasalis* Quenstedt, 1876, p. 551, Pl. 109, fig. 17. Bassler and Moodey, 1943, p. 623.  
Mississippian, Tournaisian?, Mountain Limestone. Ireland

*Platycrinites microstylus* Phillips, 1836. Ausich and Kammer, 2006, p. 102. (considered *nomen dubium*)

*Platycrinites minutus* Schnur in Steininger, 1853, p. 37. Bassler and Moodey, 1943, p. 623. Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus minutus* (Schnur in Steininger, 1853). Bassler and Moodey, 1943, p. 623.  
Devonian, Eifelian. Germany

*Platycrinites? mirabilis* Chen and Yao, 1993 = *Platycrinites* s.s. *mirabilis*

*Platycrinites modestus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 623.  
Ausich and Kammer, 2009, p. 703, *nomen dubium*.

*Platycrinus modestus* Miller and Gurley, 1895b, p. 77, Pl. 4, figs. 43-45. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 623.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites (Eucladocrinus) montanensis* Meek, 1872 = *Eucladocrinus montanensis*

*Platycrinites mucronatus* Austin and Austin, 1842 = *Pleurocrinus mucronatus*

*Platycrinites muirkirkensis* Wright, J., 1956 = *Platycrinites* s.l. *muirkirkensis*

*Platycrinites nactus* Bowsher and Strimple, 1986 = *Platycrinites* s.l. *nactus*

*Platycrinites nikondaense* Broadhead and Strimple, 1977 = *Platycrinites* s.l.  
*nikondaense*

*Platycrinites niotensis* (Meek and Worthen, 1865). Bassler and Moodey, 1943, p. 623.  
Ausich and Kammer, 1990, p. 771, Figs. 6.7-6.8, 6.10-6.11. Webster, 1993, p. 94.  
*Platycrinus niotensis* Meek and Worthen, 1865c, p. 162. Meek and Worthen, 1868c, p. 513, Pl. 20, fig. 3; Unnum. Fig. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271, Fig. 396. Weller, S., 1898c, p. 442. Bassler and Moodey, 1943, p. 623. Ausich and Kammer, 1990, p. 771.  
*non Platycrinus niotensis* Meek and Worthen, 1865. Wachsmuth and Springer, 1897, Pl. 17, fig. 9. Bassler and Moodey, 1943, p. 623. Ausich and Kammer, 1990, p. 771.  
*Platycrinus pentagonus* Miller, S. A., 1891b, p. 16, Pl. 2, fig. 1. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 624. Ausich and Kammer, 1990, p. 771.  
*Platycrinites pentagonus* (Miller, 1891). Bassler and Moodey, 1943, p. 624. Ausich and Kammer, 1990, p. 771.  
*Platycrinus (Cupellecrinus) pentagonalis* Bigsby, 1868, p. 22. (probably a misspelling of *P. pentagonus*, GDW)  
Mississippian, Viséan (Osagean – Meramecian), Keokuk Limestone; upper part of Warsaw Formation; ?St. Louis Formation. United States, Illinois, Iowa, Missouri

*Platycrinites nodostriatus* (Wachsmuth and Springer, 1897) = *Elegantocrinus nodostriatus*

*Platycrinites? nux* (Etheridge *in* Jack and Etheridge, 1892) = *Platycrinites?* s.l. *nux*

*Platycrinites nux?* (Etheridge, 1892) (non Etheridge *in* Jack and Etheridge, 1892) = *Platycrinites* s.l. *nux?*

*Platycrinites occidentalis* (Miller, 1891) = *Plemnocrinus occidentalis*

*Platycrinites olla* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 623.  
*Platycrinus olla* de Koninck and Le Hon, 1854, p. 172, Pl. 5, fig. 5. Bassler and Moodey, 1943, p. 623.  
Mississippian, Tournaisian. Belgium

*Platycrinites ollicula* (Miller, 1891) = *Platycrinites* s.l. *ollicula*

*Platycrinites omanensis* Webster and Sevastopulo, 2007, p. 403, Fig. 2, nos. F-H.  
Permian, Sakmarian, Al Jil Formation, Quarari Limestone Member. Oman

*Platycrinites ornatus* Goldfuss, 1839 = *Hexacrinus ornatus* = *Hexacrinites ornatus* = *Megaradialocrinus ornatus*

*Platycrinites ornatus* (M'Coy, 1844) (*non* Goldfuss, 1939). Bassler and Moodey, 1943, p. 624.

*Platycrinus ornatus* M'Coy, 1844, p. 176, Pl. 25, fig. 1. Dujardin and Hupé, 1862, p. 153. Bassler, 1938, p. 92. Bassler and Moodey, 1943, p. 624.

*Edwardsocrinus ornatus* (M'Coy, 1844). d'Orbigny, 1850, p. 157. Pictet, 1857, p. 331.

Mississippian, Tournaisian, Mountain Limestone. Ireland, Belgium

*Platycrinites ornigranulus* (McChesney, 1860) = *Platycrinites ornogranulus*

*Platycrinites ornogranulus* (McChesney, 1860).

*Platycrinus ornogranulus* McChesney, 1860, p. 5. McChesney, 1865, Pl. 2, figs. 11a-

11b. Shumard, 1868, p. 387.

*Platycrinus ornigranulus* McChesney, 1860. McChesney, 1868, p. 3, Pl. 5, fig. 8; Unnum. Fig. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 701, Pls. 66, fig. 8; 68, figs. 10a-11b. Weller, S., 1898c, p. 442. Bassler and Moodey, 1943, p. 624.

*Platycrinites ornigranulus* (McChesney, 1860). Bassler and Moodey, 1943, p. 624. Meyer, D. L., 1965, Fig. 2. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 213. Webster, 1977, p. 138.

*Platycrinus nodulosus* Hall, 1858c, p. 541. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 442. Bassler and Moodey, 1943, p. 624. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites parvinodus* (Hall, 1861) = *Platycrinites* s.l. *parvinodus*

*Platycrinites parvulus* Meek and Worthen, 1865 = *Dichocrinus huntsvillae* = *Dichocrinus parvulus*

*Platycrinites patulus* Wright, J., 1956b, p. 283, Pl. 74, figs. 20-22. Webster, 1973, p. 213.

*Platycrinus gigas* Austin and Austin, 1843 (part), p. 38, Pl. 4, figs. 1a-c. Wright, J., 1956b, p. 283. Webster, 1973, p. 213.

Mississippian, Tournaisian?. United Kingdom

*Platycrinites peculiaris* (Wachsmuth and Springer, 1897) = *Platycrinites* s.s. *peculiaris*

*Platycrinites pendens* (Springer, 1926) = *Artaocrinus pendens*

*Platycrinites penicillus* (Meek and Worthen, 1860) = *Platycrinites huntsvillae*

*Platycrinites pentagonus* (Miller, 1891) = *Platycrinites niotensis*

*Platycrinites pentangularis* Miller, 1821 = \**Dimorphocrinus pentangularis*

- Platycrinites permianensis* (Yakovlev in Yakovlev and Ivanov, 1956). Bowsher and Strimple, 1986, p. 9, Fig. 30, nos. a-k (after Yakovlev and Ivanov, 1956). Webster, 1993, p. 94. Ausich and Kammer, 2009, p. 703, *nomen dubia*.  
*Platycrinus permianensis* Yakovlev in Yakovlev and Ivanov, 1956, p. 66, Pl. 10, fig. 14 (radials). Webster, 1973, p. 275.  
 Permian, Artinskian. Russia, Ural Mountains
- Platycrinites phillipsii* (d'Orbigny, 1844) = *Platycrinites* s.l. *phillipsii*
- Platycrinites pileatus* Goldfuss, 1839 = *Pleurocrinus plileatus*
- Platycrinites pileatus* Goldfuss; Chen and Yao, 1993 = *Platycrinites* s.s. *xiyiensis*
- Platycrinites pileiformis* (Hall, 1858) = *Platycrinites* s.l. *pileiformis*
- Platycrinites pisum* (Rowley and Hare, 1891) = *Platycrinites* s.s. *pisum*
- Platycrinites planus* (Owen and Shumard, 1850) = *Platycrinites* s.l. *planus*
- Platycrinites* cf. *P. planus* (Owen and Shumard, 1860). Kammer, 1984, p. 120, Fig. 2, no. C. Webster, 1988, p. 134.  
 Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky
- Platycrinites pocilliformis* (Hall, 1858) = *Platycrinites* s.l. *pocilliformis*
- Platycrinites poculum* (Miller, 1881) = *Platycrinites* s.l. *poculum*
- Platycrinites polydactylus* Troost, 1850 = *Platycrinites huntsvillae*
- Platycrinites portiotortuosus* Webster, 1997, p. 17, Pls. 1, fig. 14B; 4, figs. 2B, 5, 7.  
 Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah
- Platycrinites pratteni* (Worthen, 1860). Bassler and Moodey, 1943, p. 625. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 138.  
*Platycrinus pratteni* Worthen, 1861, p. 569. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 671, Pl. 70, figs. 11-12. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 444. Bassler and Moodey, 1943, p. 625.  
*Platycrinus planus* Owen and Shumard (part), 1852, p. 587, Pl. 5A, fig. 4b (*non* 4a). Meek and Worthen, 1868c, p. 467, Pl. 16, fig. 6. Weller, S., 1898c, p. 444. Bassler and Moodey, 1943, p. 625.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Platycrinites* sp. cf. *P. pratteni* (Worthen, 1860). Brower, 1970, p. 526, Pl. 66, fig. 29. Webster, 1977, p. 138.  
 Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member,

Thunder Springs Member or Mooney Falls Member. United States, Arizona

- Platycrinites pumilus* (Hall, 1859). Bassler and Moodey, 1943, p. 625. Ausich and Kammer, 1990, p. 770, Figs. 6.2, 6.9, 6.12. Webster, 1993, p. 94.
- Platycrinus pumilus* Hall, 1859a, p. 82, Pl. 1, fig. 6. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 444. Bassler and Moodey, 1943, p. 625. Ausich and Kammer, 1990, p. 770.
- Platycrinus monroensis* Worthen, 1882, p. 30. Worthen, 1883, p. 306, Pl. 30, fig. 9. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 1990, p. 770.
- Platycrinus prattenanus* Meek and Worthen, 1860, p. 379. Meek and Worthen, 1866a, p. 264, Pl. 20, fig. 2. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 1990, p. 770.
- Platycrinus prattenianus* Meek and Worthen, 1860. Shumard, 1868, p. 389 (sic). Mississippian, Viséan (Meramecian), upper part of Warsaw Limestone; Spergen Limestone; St. Louis Limestone. United States, Missouri, Illinois
- Platycrinites punctatus* (M'Coy, 1844) = *Platycrinites* s.l. *punctatus*
- Platycrinites pyramidalis* Wright, J., 1956 = *Platycrinites* s.l. *pyramidalis*
- Platycrinites quinquenodus* (White, 1862) = *Pleurocrinus quinquenodus*
- Platycrinites recurvibrachiatus* (Van Sant in Van Sant and Lane, 1964). Broadhead, 1981, p. 144. Webster, 1988, p. 135.
- Dichocrinus recurvibrachiatus* Van Sant in Van Sant and Lane, 1964, p. 121, Pl. 8, fig. 16. Webster, 1973, p. 107. Ubaghs in Moore and Teichert, 1978, p. T143, Fig. 113, no. 7. Broadhead, 1981, p. 144. Webster, 1986, p. 127. Webster, 1988, p. 135.
- Mississippian, Viséan, V1a, Edwardsville Formation. United States, Indiana
- Platycrinites regalis* (Hall, 1861). Bassler and Moodey, 1943, p. 625. Donovan, 1997, p. 13, Fig. 4, no. A. Ausich et al. in Hess et al., 1999 p. 10, Fig. 17.
- Platycrinus regalis* Hall, 1861b, p. 16. Shumard, 1868, p. 389. Hall, 1872c, Pl. 2A, fig. 6. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 710, Pl. 72, figs. 1-2. Weller, S., 1898c, p. 444. Bassler and Moodey, 1943, p. 625. LeMenn, 2009, p. 465, Fig. 7.19.
- Platycrinus oweni* Meek and Worthen, 1861, p. 128. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 625.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Platycrinites remotus* Strimple and Watkins, 1969 = *Platycrinites* s.l. *remotus*
- Platycrinites reouienensis* Webster et al., 2004 = *Platycrinites* s.s. *reouienensis*

- Platycrinites rugosus* Miller, J. A., 1821, p. 79. Unnum. Pl. p. 80. Fleming, 1828, p. 496. Goldfuss, 1831, p. 189, Pl. 58, fig. 3. Gilbertson *in* Portlock, 1843, p. 350, Pl. 16, figs. 3, 13. Bassler and Moodey, 1943, p. 625. Ausich and Kammer, 2006, p. 102 (*nomen dubium*).
- Platycrinus rugosus* (Miller, 1821). Phillips, 1836, p. 204, Pl. 3, fig. 20. Müller, 1841, p. Pl. 6, figs. 3a-3c. Austin and Austin, 1844, p. 40, Pl. 4, figs. 2d-2k. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 154, Pl. 2, fig. 1a. Bassler and Moodey, 1943, p. 625.
- Medusacrinus rugosus* (Miller, 1821). Austin, 1875, p. 91.
- Encrinurus ovatus* Schlotheim, 1832, p. 24, Pl. 26, figs. 1a-1c (all after Miller, 1821; 1b-1c columnals). Bronn, 1848, p. 993.
- Mississippian, Tournaisian?, Mountain Limestone. United Kingdom; Ireland
- Platycrinites saffordi* (Hall, 1858) = *Elegantocrinus saffordi*
- Platycrinites sampsoni* (Miller, 1891). Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 2009, p. 703, *nomen dubium*.
- Platycrinus sampsoni* Miller, S. A., 1891b, p. 13, Pl. 1, fig. 11. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; upper part of Burlington Limestone. United States, Iowa, Missouri
- Platycrinites sarae* (Hall, 1858). Bassler and Moodey, 1943, p. 626. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 139. Ausich and Kammer, 1990, p. 767, Figs. 6.1, 6.3. Webster, 1993, p. 95.
- Platycrinus sarae* Hall, 1858c, p. 673, Pl. 17, fig. 4. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 445. Grabau and Shimer, 1910, p. 520. Schmidt, H., 1929, p. 83, Pl. 20, figs. 11. Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 1990, p. 767.
- Mississippian, Viséan (Osagean – Meramecian), Warsaw Formation, Keokuk Limestone, St. Louis Limestone. United States, Missouri, Illinois, Kentucky
- Platycrinites scaber* Goldfuss, 1856 = *Stylocrinus scaber* = *S. tabulatus altus*
- Platycrinites schmidtii* Stuckenberg, 1875 = ?*Dichocrinus schmidtii* = *Dichocrinus expansus*
- Platycrinites scobina* (Meek and Worthen, 1861). Bassler and Moodey, 1943, p. 626.
- Platycrinus scobina* Meek and Worthen, 1861, p. 129. Meek and Worthen, 1868c, p. 466, Pl. 16, fig. 9, Unnum. Fig. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 271, Fig. 397. Wachsmuth and Springer, 1897, p. 695, Pl. 68, figs. 14a-14b. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626.
- Platycrinus clytis* Hall, 1861a, p. 286. Hall, 1861b, p. 4. Hall, 1861c, p. 285. Shumard, 1868, p. 387. Hall, 1872c, Pl. 2A, fig. 4. Whitfield, 1893b, Pl. 3, fig. 6. Weller, S., 1898c, p. 445. Bassler and Moodey, 1943, p. 626.

*Platycrinus clystis* Hall, 1861. Miller, S. A., 1889, p. 270 (sic).  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites sculptus* (Hall, 1858). Bassler and Moodey, 1943, p. 626. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 25. Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 214. Webster, 1977, p. 139. Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus sculptus* Hall, 1858c, p. 536, Pl. 8, fig. 11. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 691, Pls. 68, fig. 5 (?); 75, figs. 8-9. Weller, S., 1898c, p. 446. Butts, C., 1914-1915, p. 141, Pl. 49, figs. 17-18. Butts, C., 1917, p. 16, Pl. 4, figs. 17-18. Miller, A. M., 1919, p. 100, Pl. 54, figs. 17-18 (non figs. 11-16 as given on plate explanation). Bassler and Moodey, 1943, p. 626.

*Platycrinus rotundus* Miller, S. A., 1891b, p. 20, Pl. 2, figs. 11-12. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 626. Mississippian, Tournaisian – Viséan (Kinderhookian – Meramecian), Chouteau Limestone; lower part of Burlington Limestone; Lake Valley Limestone; New Providence Shale. United States, Iowa, Missouri, New Mexico, Kentucky

*Platycrinites sculptus* (Hall, 1858) -*glyptus* (Hall, 1861) -*saffordi* (Hall, 1858) complex. Kammer, 1984, p. 120, Fig. 2, nos. M-N (typographical error as *P. sculptus* p. 120). Webster, 1988, p. 135.  
Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky

*Platycrinites selwoodensis* Wright, J., 1955 = *Platycrinites* s.l. *selwoodensis*

*Platycrinites semifusus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus semifusus* Miller and Gurley, 1895b, p. 77, Pl. 4, figs. 41-42. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 626. Mississippian, S/////TOURNAISIAN )Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites sharonensis* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 626. Ausich and Kammer, 2009, p. 703, *nomen dubia*.

*Platycrinus sharonensis* Miller and Gurley, 1897, p. 42, Pl. 3, figs. 6-7. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 626. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Platycrinites siluricus* (Hall, 1879) = *Platycrinus siluricus*

*Platycrinites similis* (M'Coy, 1844). Bassler and Moodey, 1943, p. 626.

*Platycrinus similis* M'Coy, 1844, p. 177, Pl. 26, fig. 6. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 626. Mississippian, Tournaisian?, Mountain Limestone. Ireland



- Platycrinites smythi* Wright, J., 1955b = *Platycrinites* s.l. *smythi*
- Platycrinites spinifer* (Wachsmuth and Springer, 1897) = *Platycrinites* s.l. *spinifer*
- Platycrinites* sp. cf. *P. spinifer* (Wachsmuth and Springer, 1897). Brower, 1970, p. 526, Pl. 66, figs. 17-19; Figs. 86, nos. D-F. Webster, 1977, p. 139.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs or Mooney Falls Member. United States, Arizona
- Platycrinites spinifer elongatus* (Wachsmuth and Springer, 1897) = *Platycrinites* s.l. *spinifer elongatus*
- Platycrinites spinifer elongatus* (Wachsmuth and Springer); Termier and Termier, 1950 = *Platycrinites* s.l. spp.
- Platycrinites spiniger* (Wright, 1937) = *Platycrinites* s.l. *spiniger*
- Platycrinites spinosus* Austin and Austin, 1843 = *Platycrinites* s.s. *laevis*
- Platycrinites spinosus* Austin and Austin); Termier and Termier, 1950 = *Platycrinites* s.l. spp.
- Platycrinites spitzbergensis* (Holtedahl, 1911) = *Platycrinites* s.l. *spitzbergensis*
- Platycrinites springeri* (Weller, 1909) = *Elegantocrinus springeri*
- Platycrinites stellatus* (Weller, 1909) = *Platycrinites* s.l. *stellifer*
- Platycrinites striatus* Miller, J. S., 1821 = *Platycrinites* s.l. *striatus*
- Platycrinites subgranulosus* (Roemer, 1850) = *Platycrinites* s.l. *subgranulosus*
- Platycrinites subscitulus* (Miller and Gurley, 1896) = *Collicrinus subscitulus*
- Platycrinites subspinosus* (Hall, 1858) = *Plemnocrinus subspinosus*
- Platycrinites subspinulosus* (Hall, 1859) = *Platycrinites* s.l. *subspinulosus*
- Platycrinites sulciferus* (Miller and Gurley, 1895) = *Plemnocrinus sulciferus*
- Platycrinites sunwaptaensis* Laudon, Parks, and Spreng, 1952, p. 573, Pls. 68, figs. 12-14; 69, figs. 23-24. Webster, 1973, p. 214.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Platycrinites symmetricus* (Wachsmuth and Springer, 1888) = *Elegantocrinus symmetricus*

*Platycrinites tabulatus* Goldfuss, 1839 (part) = \**Stylocrinus tabulatus*

*Platycrinites tabulatus* Goldfuss, 1839 (part) = *Stylocrinus tabulatus altus*

*Platycrinites tenuibrachiatus* Meek and Worthen, 1870a, p. 168. Meek and Worthen, 1873, p. 450, Pl. 3, fig. 4. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p.

628. Lane and Dubar, 1983, p. 119, Fig. 3, no. E. Webster, 1988, p. 135.

*Platycrinus tenuibrachiatus* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 272.

Wachsmuth and Springer, 1897, p. 687, Pl. 70, figs. 7-8. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 628.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone; Borden Formation; New Providence Shale. United States, Iowa, Indiana, Kentucky

*Platycrinites tenuiplatensis* Arendt, 2002, p. 117, Pls. 1, figs. 2-8; 2, figs. 1-6; Fig. 1, nos. a-c.

Pennsylvanian, early Serpukhovian, lower part of Steshev Horizon; Tarusa Horizon. Russia, Moscow Basin

*Platycrinites testudo* Campbell and Bein, 1971 = *Platycrinites* s.l. *testudo*

*Platycrinites triacontadactylus* Miller, 1821 (part) = *Platycrinites* s.s. *laevis*

*Platycrinites trigintadactylus* Austin and Austin, 1843 = *Platycrinites* s.s. *laevis*

*Platycrinites trigintidactylus* Austin and Austin; Chen and Yao, 1993 = *Platycrinites* s.s. *xiyiensis*

*Platycrinites truncatulus* (Hall, 1858) = *Platycrinites* s.l. *truncatulus*

*Platycrinites tuberculatus* Miller, 1821 = *Pleurocrinus tuberculatus*

*Platycrinites tuberculatus* Miller, 1821.

**Note.** The following citations are not *Platycrinites tuberculatus*, nor the other taxa they are listed under, although all have been assigned to *P. tuberculatus*. They need reevaluation for proper identification.

*Taxocrinus tuberculatus* (Miller, 1821). Bronn, 1848, p. 1217. Pictet, 1857, p. 327, Pl. 101, fig. 10. Murchison, 1859, p. 246, Pl. 14, figs. 5-6. Bigsby, 1868, p. 23. Murchison, 1872, p. 223, Pl. 14, figs. 5-6. Salter, 1873, p. 125. Baily, 1875, Pl. 18, fig. 2. Frech, 1902, Pl. 11, fig. 14.

*Cyathocrinites tuberculatus* (Miller, 1821). Fleming, 1828, p. 495. Bronn, 1848, p. 1217.

*Cladocrinites tuberculatus* Austin and Austin, 1843. Bronn, 1848, p. 305.

*Encrinites armatus* Schlotheim, 1822-1823. Bronn, 1848, p. 1217.

*Encrinites moniliformis* Fischer de Waldheim, 1837. Bronn, 1848, p. 1217.

*Encrinites punctatus* Fischer de Waldheim, 1830. Bronn, 1848, p. 1217.

Late Silurian, Wenlockian, lower part of Wenlock group. United Kingdom

*Platycrinites turgurium* (Miller and Gurley, 1895) = *Collicrinus?* *turgurium*

*Platycrinites vascellum* (Miller and Gurley, 1895) = *Platycrinites* s.s. *vascellum*

*Platycrinites ventricosus* Goldfuss, 1831 = *Hexacrinus ventricosus* = *Hexacrinites ventricosus* = *Megaradialocrinus ventricosus*

*Platycrinites verrucosus* (White, 1865) = *Platycrinites* s.s. *verrucosus*

*Platycrinites vesiculosus* M'Coy, 1849 = *Pleurocrinus vesiculosus*

*Platycrinites?* *vesiculosus* (M'Coy, 1849) = *Platycrinites vesiculosus* = *Pleurocrinus vesiculosus*

*Platycrinites vexabilis* (White, 1874). Bassler and Moodey, 1943, p. 629. Webster and Lane, 1987, p. 38, *nomen dubius*, not a platycrinid. Webster, 1993, p. 95.

Ausich and Kammer, 2009, p. 703, *nomen duibium*.

*Platycrinus vexabilis* White, C. A., 1874, p. 16 (prelim. rpt.). White, C. A., 1875, p. 81, Pl. 2, fig. 2. Miller, S. A., 1889, p. 272.

Mississippian, Viséan (Osagean), Anchor Limestone?. United States, Nevada

*Platycrinites wachsmuthi* (Wanner, 1916) (part) = *Pleurocrinus wachsmuthi* = *Platycrinites* s.s. *wachsmuthi*

*Platycrinites wachsmuthi* (Wanner, 1916) (part) = *Pleurocrinus wachsmuthi apnaensis* = *Platycrinites* s.s. *wachsmuthi apnaensis*

*Platycrinites wachsmuthi apnaensis* (Wanner, 1937) = *Pleurocrinus wachsmuthi* = *Platycrinites* s.s. *wachsmuthi apnaensis*

*Platycrinites wachsmuthi frequentior* (Wanner, 1937) = *Pleurocrinus wachsmuthi frequentior* = *Platycrinites* s.s. *wachsmuthi frequentior*

*Platycrinites westheadi* (Wright, 1942) = *Elegantocrinus westheadi*

*Platycrinites wortheni* (Hall, 1858). Bassler and Moodey, 1943, p. 629.

*Platycrinus wortheni* Hall, 1858c, p. 530, Pl. 8, fig. 4. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Wachsmuth and Springer, 1897, p. 702, Pl. 67, fig. 9.

Weller, S., 1898c, p. 448. Bassler and Moodey, 1943, p. 629.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites wrighti* (Marez-Oyens, 1940) = *Platycrinites* s.l. *wrighti*

*Platycrinites wunstorfi* (Schmidt, 1930) = *Platycrinites* s.l. *wunstorfi*

- Platycrinites xiyiensis* Chen, 1984 = *Platycrinties* s.s. *xiyiensis*
- Platycrinites yandelli* (Owen and Shumard, 1850) Wachsmuth and Springer, 1897, part  
= *Laticrinus wachsmuthi*
- Platycrinites yandelli* (Owen and Shumard, 1850) Wachsmuth and Springer, 1897, part  
= *COLlicrinus shumardi*
- Platycrinites yandelli* (Owen and Shumard, 1850). Bassler and Moodey, 1943, p. 629.  
Webster, 1973, p. 215.  
*Platycrinus yandelli* Owen and Shumard, 1850, p. 58, Pl. 7, figs. 6a-6b. Owen and  
Shumard, 1852, p. 547, Pl. 5a, figs. 6a-6b. Shumard, 1868, p. 390. Miller, S. A.,  
1889, p. 272. Lesley, 1889, p. 690, Figs. 6a-6b. Weller, S., 1898c, p. 448.  
Bassler and Moodey, 1943, p. 629. Breimer, 1962a, p. 139, fig. 32. Webster,  
1973, p. 215.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Iowa
- Platycrinites yandelli perasper* (Meek and Worthen, 1865) = *Platycrinites* s.l. *yandelli*  
*perasper*
- Platycrinites* n. sp. Webster et al., 2001 = *Platycrinites* s.l. *pannosus*
- Platycrinites* n. sp. 1 Brower, 1970, p. 528, Pl. 66, fig. 7. Webster, 1977, p. 139.  
Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member.  
United States, Arizona
- Platycrinites* n. sp. 1 Webster et al., 2009, p. 669, Fig. 6, nos. c-e.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia,  
Vancouver  
Island
- Platycrinites* n. sp. 2 Brower, 1970, p. 529, Pl. 66, figs. 13-14; Fig. 86, no. G. Webster,  
1977, p. 140.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs or Mooney  
Falls Member. United States, Arizona
- Platycrinites* n. sp. 2 Webster et al., 2009, p. 669, Fig. 7, no. a.  
Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia,  
Vancouver  
Island
- Platycrinites* sp. Ausich and Lane, 1985 = *Eucladocrinus millebrachiatus*
- Platycrinites* sp. A Ausich and Lane, 1980 = *Eucladocrinus millebrachiatus*
- Platycrinites* sp. 1 Brower, 1970, p. 529, Pl. 66, fig. 12. Webster, 1977, p. 140.

Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member.  
United States, Arizona

*Platycrinites* sp. 2 Brower, 1970, p. 530, Pl. 66, fig. 28. Webster, 1977, p. 140.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member.  
United States, Arizona

*Platycrinites* sp. 3 Brower, 1970, p. 530, Pl. 66, fig. 9. Webster, 1977, p. 140.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or  
Mooney Falls Member. United States, Arizona

*Platycrinites?* sp. 1 Campbell and Bein, 1971 = *Platycrinites testudo* = *Platycrinites* s.l.  
*testudo*

*Platycrinites?* sp. 2 Campbell and Bein, 1971, p. 434, Pl. 51, figs. 5-9. Webster, 1977,  
p. 140.  
Mississippian, Viséan, Cull, Goonoo Goonoo Formation. Australia, New South  
Wales

*Platycrinites* sp. 1  
*Platycrinus* sp. 1 Wright, J., 1920a, p. 375, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Platycrinites* sp. 2  
*Platycrinus* sp. 2 Wright, J., 1920a, p. 375, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Platycrinites* sp. 3  
*Platycrinus* sp. 3 Wright, J., 1920a, p. 375, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Platycrinites* sp. 1 Webster and Jell, 1999a, p. 260, Fig. 14, nos. F-H.  
Mississippian, late Tournaisian, Namoi Formation. Australia, New South Wales.

*Platycrinites?* sp. 1 Campbell and Bein, 1971 = *Platycrinites testudo*

*Platycrinites* sp. 2 Webster and Jell, 1999a, p. 260, Fig. 14, no. A.  
Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland

*Platycrinites* sp. 3 Webster and Jell, 1999a, p. 260, Fig. 14, nos. D-E.  
Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland

*Platycrinites* sp. 4 Webster and Jell, 1999a, p. 261, Fig. 14, nos. B-C.  
Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland

*Platycrinites* sp. 4. Webster et al., 2004 = *Platycrinites* s.l. *pannosus*

*Platycrinites* sp. 1 Webster et al., 2001 = *Platycrinites* s.l. sp. 1

*Platycrinites* sp. Ausich and Lane, 1985 = *Eucladocrinus millebrachiatus*

*Platycrinites* sp. Termier and Termier, 1950 = *Pleurocrinus* sp.

*Platycrinites* spp.

*Encrinites* sp. Schlotheim, 1832, p. 24, Pl. 26, figs. 1a-1e.

Mississippian. no local given

Dantz, 1894, p. 623.

Mississippian, Kohlenkalk. Germany

Nebo, 1911, p. 436. (Basal circling, GDW)

Mississippian, Culm. Germany

Laudon, Parks, and Spreng, 1952, p. 574, Pl. 68, fig. 19. Webster, 1973, p. 215.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Laudon, Parks, and Spreng, 1952, p. 574, Pl. 68, fig. 15. Webster, 1973, p. 215.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Laudon, Parks, and Spreng, 1952, p. 574, Pl. 68, figs. 16, 20. Webster, 1973, p. 215.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

Wright, J., 1956b, p. 286, Pls. 67, fig. 7; 69, figs. 5-8; 75, fig. 1. Webster, 1973, p. 215.

Mississippian. United Kingdom

Wright, J., 1960, p. 334, Appendix, Pl. A, fig. 2. Webster, 1973, p. 215.

Mississippian, Tournaisian, Z. United Kingdom

Meyer, D. L., 1965, p. 1207, Fig. 1, no. A. Webster, 1973, p. 215.

Mississippian, Tournaisian, Carboniferous Limestone. Belgium

Meyer, D. L., 1965, p. 1207, Fig. 1, no. C. Webster, 1973, p. 215.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa?

Meyer, D. L., 1965, p. 1207, Fig. 1, no. D. Webster, 1973, p. 215.

Mississippian, Tournaisian. Belgium

Meyer, D. L., 1965, p. 1207, Fig. 1, no. E. Webster, 1973, p. 215.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

Webster and Lane, 1967, p. 7, Pl. 1, figs. 1-10. Webster, 1973, p. 215.

Permian, Wolfcampian, Bird Spring Formation. United States, Nevada

Rose, 1967, p. 140, Pl. 17, fig. 1. Webster, 1977, p. 140.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

Webster and Lane, 1970, p. 279, Pl. 56, fig. 9. Webster, 1977, p. 140.

Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada

Moore and Strimple, 1973, p. 41, Pl. 3, fig. 3 (basal circling). Webster, 1977, p. 140.

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

Mironova and Yeltyschewa, 1978, p. 26, Fig. 4, no. g. Webster, 1986, p. 256.

No age given

Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 317, no. 2. Webster, 1986, p. 256.

Mississippian. Belgium

Kues, 1982, Unnum Fig. p. 108, no. A. Webster, 1988, p. 135.

Mississippian: no locality data

Lane and Dubar, 1983, p. 120, Fig. 3, no. B. Webster, 1988, p. 135.

- Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale.  
United States, Kentucky  
Meyer and Ausich, 1983, p. 405, Fig. 6, no. D. Webster, 1988, p. 135.  
Mississippian, no locality data  
Bowsher and Strimple, 1986, p. 8, Fig. 5. Webster, 1993, p. 95. (basal circlet)  
Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma  
Bowsher and Strimple, 1986, p. 8, Fig. 8, nos. a-l. Webster, 1993, p. 95. (radials,  
basal circlets, columnals)  
Pennsylvanian, Westphalian. Morocco  
Bowsher and Strimple, 1986, p. 8, Fig. 13. Webster, 1993, p. 95. (radial)  
Pennsylvanian, Kasimovian or Gzehlian (C3). Russia, Timan Range  
*Platycrinus? tuberculatus* Yakovlev in Yakovlev and Ivanov, 1956, p. 49, Pl. 12,  
figs. 8 (given as *Platycrinus* sp. on plate explanation). Webster, 1973, p.  
315. (radial)  
Middle Pennsylvanian. Russia, Verkloyane, Timan Range  
Bowsher and Strimple, 1986, p. 9, Fig. 32, nos. a-h. Webster, 1993, p. 95. (basal  
circlets, radials, columnals)  
Permian, Wolfcampian, Bird Spring Formation. United States, Nevada  
Chen, Z.-t., 1984, p. 372, Pl. 1, figs. 23-25.  
Middle Mississippian. China, Yunnan  
Lane, *et al.*, 1996, p. 123, Figs. 4.1-4.14, 5.8-5.9.  
Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygar  
Autonomous Region  
*Platycrinus* spp.  
White, C. A., 1874, p. 15. White, C. A., 1877a, p. 81, Pl. 5, fig. 2. Weller, S.,  
1898c, p. 448.  
Mississippian, Viséan (Osagean), Monte Cristo Limestone, Anchor Member.  
United States, Nevada  
Delpey, 1941, p. 214, Figs. 1-2.  
Mississippian, Viséan. Morocco  
Termier, G. and Termier, H., 1947, p. 255, Pl. 19, fig. 49. Webster, 1973, p. 215.  
Carboniferous. Morocco  
*Dichocrinus ornatus* (de Koninck and Le Hon, 1854). Broadhead, 1981, p. 116.  
*Platycrinus ornatus* de Koninck and Le Hon, 1854, p. 177, Pl. 5, fig. 4a only.  
Broadhead, 1981, p.116.  
Mississippian, series not given. Belgium  
Ausich and Simms in Hess *et al.*, 1999 p. 57, Fig. 65.  
Mississippian. Ireland  
Hashimoto, 2001, p. 14, Pl. 5, figs. 5-8; Fig. 8, nos. 1-2.  
Pennsylvanian, Morrowan, Akiyoshi Limestone Group. Southwest Japan  
Ausich, 2003a, p. 143.  
Mississippian, Tournaisian (Kinderhookian), upper part of Fitchville  
Formation. United States, Utah  
Baumiller, 2003b, p. 201, Fig. 1, no. B.  
Mississippian, no formation or locality given  
Donovan, Lewis, and Tilsley, 2003, p. 254, Fig. 1, nos. a-d.  
Mississippian, Viséan (Brigantian), Five Yard Limestone mudstones. United  
Kingdom

- Miller et al., 2008, p. 263, Fig. 12.10, nos. 11-12.  
Mississippian, Viséan (Osagean)n, Weaubleau Breccia. United States, Missouri
- Webster et al. 2009a, p. 46, Fig. 2, nos. D-G.  
Pennsylvanian, Moscovian, Qijiagou formation. China, Xinjiang
- Webster et al. 2009b. p. 245. Fig. 2, nos. B, F-I.  
Pennsylvanian, Moscovian, uppermost part of the Qijiagou Formation or Lowermost part of the Aoertu Formation; Sanquanzi Formation. China, Xinjiang
- Stinchcomb, 2008, p. 127, Figs. 07-058-07-058.  
Mississippian, Viséan (Osagean)n, Borden Group, Ramp Creek Formation. United States, Indiana, Indian Creek
- Stinchcomb, 2008, p. 128, Fig. 07-066.  
Mississippian, Viséan (Osagean), Osagean outlier. United States, Missouri, Rolla
- Stinchcomb, 2008, p. 130, Fig. 07-0673.  
Mississippian, Viséan (Osagean)n, Burlington Formation. United States, Missouri, Springfield
- Platycrinites* sp. (ex gr. *bollandensis*) Wright, 1938. Webster, 1973, p. 215.  
*Platycrinus* sp. (ex gr. *bollandensis*) Wright, 1938. Breimer, 1962a, p. 131, Pl. 13, figs. 6-9, 12-14. Webster, 1973, p. 215.  
Carboniferous, middle or late Namurian. Spain
- Platycrinites* sp. indet. Ausich and Sevastopulo, 1994, p. 249, Fig. 4, nos. a, c, n, t-u.  
Mississippian, late Tournaisian, Hook Head Formation. Ireland
- Platycrinites* sp. undet. Webster, 1973, p. 215.  
*Platycrinus* sp. undet. Branson, E. B., 1944, p. 165, Pl. 30, figs. 11, 13. Webster, 1973, p. 215.  
Mississippian, Tournaisian (Kinderhookian), Northview Formation. United States, Missouri
- Platycrinites?* sp. indet. Schmidt, W. E., 1942, p. 45, Fig. 7. Webster, 1973, p. 215.  
Devonian, early Eifelian. Germany
- Platycrinites?* sp. Lane, Maples, and Waters, 2001 = *Platycrinites?* *anguliferus*
- ?*Platycrinites* sp. Lane, Maples, and Waters, 2001 = *Platycrinites* s.l. *wunstorfi*
- Platycrinites?* sp. Webster et al., 2004, p. 36, Pl. 9, figs. 25-27.  
Pennsylvanian, Moscovian, Ouel Bel Groun Formation. Algeria
- PLATYCRINITES** sensu stricto Miller, 1821. \**Platycrinites laevis* Miller, 1821.  
Sbc. Camerata, O. Monobathrida, Subo. Glyptocrinina, Supf. Platycrinitoidea, F. Platycrinitidae  
Ausich and Kammer, 2009, p. 702.



*EXSULACRINUS* Bowsher and Strimple, 1986. \**E. alleni* Bowsher and Strimple, 1986. Bowsher and Strimple, 1986, p. 12. Webster, 1993, p. 61.

Named, currently recognized species based on cups or crowns: 19 species, 2 subspecies. 17 Mississippian, 9 Tournaisian, 1 Tournaisian – Viséan, 6 Viséan, 1

Serpukhovian; 1 Pennsylvanian, Desmoinesian; 1 Permian, series undesignated (+2 subspecies series undesignated)

Mississippian. North America (Viséan) Western Europe (Tournaisian, Ivorian), Algeria (Serpukhovian)

Pennsylvanian, Moscovian. North America

Permian, series uncertain. West Timor

Permian, Artinskian. Russia

Mississippian, Tournaisian, Yudong Formation. China, Yunnan

Pennsylvanian, Desmoinesian?. United States, New Mexico

*Platycrinites* s.s. *alleni* (Bowsher and Strimple, 1986). Ausich and Kammer, 2009, p. 702.

*Exsulacrinus alleni* Bowsher and Strimple, 1986, p. 12, Figs. 36, nos. a-i; 49, nos. a-e; 52, nos. a-h; 53, nos. a-l. Webster, 1993, p. 61. Webster and Kues, 2006, p. 9.

Ausich and Kammer, 2009, p. 703.

Pennsylvanian, late Desmoinesian, Gobbler Formation (formerly Magdalena Limestone), Bug Scuffle Limestone Member. United States, New Mexico

*Platycrinites* s.s. *applanatus* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 145, Fig. 8, nos. l-o.

*Platycrinites applanatus* Chen and Yao, 1993, p. 48, Pl. 9, figs. 1-5; Fig. 23, nos. a-c.

Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Platycrinites* s.s. *burlingtonensis* (Owen and Shumard, 1850). Ausich and Kammer, 2009, p. 702, Figs. 2.10-2.11.

*Platycrinus burlingtonensis* Owen and Shumard, 1850, p. 60, Pl. 7, fig. 5. Owen and Shumard, 1852, p. 589, Pl. 5A, fig. 5. Shumard, 1868, p. 387. McChesney, 1868, p. 4, Pl. 4, fig. 3. Wachsmuth and Springer, 1885, Pls. 8, fig. 6; 9, fig. 6. Lesley, 1889, p. 686, Fig. 1. Wachsmuth and Springer, 1897, p. 653, Pl. 69, figs. 3a-3l. Weller, S., 1898c, p. 435. Grabau and Shimer, 1910, p. 518, Fig. 1839. Bassler and Moodey, 1943, p. 617. Breimer, 1962a, p. 139, Fig. 32. Webster, 1973, p. 211. Adrian, 2009, p. 25, Fig. 2.

*Platycrinites burlingtonensis* (Owen and Shumard, 1850). Meek and Worthen, 1873, p. 452, Pl. 3, figs. 6a-6c. Bassler and Moodey, 1943, p. 617. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 24. Webster, 1973, p. 211.

*Platycrinus exsertus* Hall, 1858c, p. 549, Unnum. Fig. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 270. Bassler and Moodey, 1943, p. 617.

*Platycrinus exsertus* Hall, 1858. Weller, S., 1898c, p. 435 (sic).

*Platycrinus inornatus* McChesney, 1860, p. 7. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 271. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617.

- Platycrinus lautus* Miller, S. A., 1891b, p. 17, Pl. 2, figs. 3-4. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617.
- Platycrinus nodobrachiatus* Hall, 1858c, p. 542, Unnum. Fig. Hall, 1861b, p. 17. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 435. Bassler and Moodey, 1943, p. 617.
- Platycrinus nucleiformis* Hall, 1858c, p. 540, Unnum. Fig. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 435. Bassler and Moodey, 1943, p. 617.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri
- Platycrinites* s.s. *casula* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 702.
- Platycrinus casula* Miller and Gurley, 1895b, p. 76, Pl. 4, figs. 37-40. Miller, S. A., 1897, p. 750, Fig. 1375. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617.
- Platycrinites casula* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 617. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.s. *concinnulus* (Miller and Gurley, 1896). Ausich and Kammer, 2009, p. 702.
- Platycrinus concinnulus* Miller and Gurley, 1896b, p. 63, Pl. 4, figs. 16-18. Miller, S. A., 1897, p. 750. Weller, S., 1898, p. 437. Bassler and Moodey, 1943, p. 618.
- Platycrinites concinnulus* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 618.
- Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.s. *cupulatus* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 145, Fig. 8, nos. t-w.
- Platycrinites cupulatus* Chen and Yao, 1993, p. 49, Pl. 10, figs. 1-3; Fig. 24, nos. 1-c.
- Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Platycrinites* s.s. *davisi* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 702.
- Platycrinus davisi* Wachsmuth and Springer, 1897, p. 684, Pl. 70, fig. 14. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 437. Bassler and Moodey, 1943, p. 619.
- Platycrinites davisi* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 619.
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Platycrinites* s.s. *gigas* (Phillips, 1836). Ausich and Kammer, 2009, p. 702.
- Platycrinus gigas* Gilbertson in Phillips, 1836, p. 204, Pl. 3, figs. 22-23. Austin and Austin, 1844, p. 39, Pl. 4, figs. 1a-1e. Bronn, 1848, p. 993. d'Orbigny, 1850, p.

156. Dujardin and Hupé, 1862, p. 153. Wright, J., 1938a, p. 272, Pl. 9, figs. 2, 5, 8. Bassler and Moodey, 1943, p. 620.
- Platycrinites gigas* (Gilbertson, 1836). Bassler, 1938, p. 63. Bassler and Moodey, 1943, p. 620. Wright, J., 1946b, p. 126, Pl. 8, figs. 2-3, 5-7. Wright, J., 1948, p. 51, Pl. 5, fig. 4. Moore, 1948, p. 390, Fig. 11. Wright, J., 1955b, p. 270, Pls. 64, figs. 4-5; 66, fig. 5; 71, figs. 6-7, 26-27, 30-32, 34. White, W. D., 1964, p. 172, Pl. 60, fig. 4. Webster, 1973, p. 212. Webster, 1977, p. 137. Donovan, 1992c, p. 46, Fig. 7, nos. G-H. Ausich and Kammer, 2009, p. 702.
- Centrocrinus gigas* (Gilbertson, 1836). Bassler, 1938, p. 63.  
Mississippian, Tournaisian - Viséan, Mountain Limestone. Ireland; United Kingdom, Scotland; United Kingdom; Belgium
- Platycrinites s.s. intermedius* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 145, Fig. 8, nos. p-s.
- Platycrinites intermedius* Chen and Yao, 1993, p. 49, Pls. 10, figs. 4-6; 14, fig. 11; Fig. 25, nos. a-c.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- \**Platycrinites s.s. laevis* Miller, J. A., 1821. Ausich and Kammer, 2009, p. 702.
- \**Platycrinites laevis* Miller, J. A., 1821, p. 74, Pls. 1-2. Bronn, 1825, Pl. 3, fig. 9. Fleming, 1828, p. 496. Bronn, 1837, p. 60, Pl. 4, figs. 3a-3c. Quenstedt, 1885, p. 951, Fig. 354. Bassler, 1938, p. 154. Bassler and Moodey, 1943, p. 622. Wright, J., 1955b, p. 266, Pls. 65, fig. 5; 66, figs. 6-7; 67, fig. 1; 68, figs. 1, 3, 5; 69, fig. 28. Webster, 1973, p. 213. Lane *in* Moore and Teichert, 1978, p. T515, Fig. 316, nos. 2a-2b. Webster, 1986, p. 255. Ausich and Sevastopulo, 1994, p. 249, Fig. 4, nos. o, s. Ausich, Sevastopulo, and Torrens, 1999, p. 187, Fig. 2. Ausich and Sevastopulo, 2001, p. 68, Pls. 2, figs. 12-13; 8, figs. 1-12; Figs. 8, no. H; 10, no. B. Ausich and Kammer, 2009, p. 702.
- Encrinites laevis* (Miller, 1821). Schlotheim, 1823, p. 94, Pl. 25, figs. 4a-4h. Schlotheim, 1832, p. 24, Pl. 25, figs. 4a-4h. Bronn, 1848, p. 993. Austin, 1875, Fig. 1. Bassler and Moodey, 1943, p. 622.
- Platycrinus laevis* (Miller, 1821). de Koninck, 1842-1844, p. 41, Pl. F, fig. 1, nos. a-f. Austin and Austin, 1843, p. 8, Pl. 1, figs. 1a-1i, 1l-1m. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 244, Pl. 4, figs. 3a-3c. de Koninck and Le Hon, 1854, p. 161, Pl. 5, fig. 1. Eichwald, 1860, p. 602. Dujardin and Hupé, 1862, p. 153. Baily, 1875, Pl. 36, fig. 3. Roemer, C. F., 1876, Pl. 40, fig. 2. Frech, 1902, Pl. 27, fig. 2. Bassler and Moodey, 1943, p. 622.
- Platycrinus (Cupellecrinus) laevis* (Miller, 1821). Bigsby, 1868, p. 22.
- Platycrinites triacontadactylus* Miller, 1821 (part). Ausich and Sevastopulo, 2001, p. 68.
- ?*Encrinus* Cumberland, 1821, p. 91, Pl. 4, figs. 1-2. Ausich and Sevastopulo, 2001, p. 50.
- Encrinus* Cumberland, 1821, p. 93, Pl. 5, figs. 5-10. Ausich and Sevastopulo, 2001, p. 68.

- Platycrinus triacontadactylus* M'Coy, 1844, p. 177, Pl. 25, figs. 2-7. d'Orbigny, 1849-51, p. 143, Figs. 291, 381. d'Orbigny, 1850, p. 156. Bronn, 1860, Pl. 27, figs. 4A-4D. Dujardin and Hupé, 1862, p. 154. Neumayr, 1889, p. 463, Fig. 132. Bassler and Moodey, 1943, p. 628. Ausich and Sevastopulo, 2001, p. 68.
- Platycrinites trigintidactylus* Austin and Austin, 1842, p. 109. Austin and Austin, 1843a, p. 199. Austin and Austin, 1843b, p. 30, Pl. 3, figs. 1b-1h (*non* fig. 1a). Quenstedt, 1885, p. 951, Fig. 355. Bassler and Moodey, 1943, p. 628. Wright, J., 1955b, p. 267, Pls. 66, fig. 4; 67, figs. 4-6, 9; 68, figs. 2, 4, 7; 69, figs. 25-27; 75, fig. 2. Webster, 1973, p. 214. Moodey, 1943, p. 628. Ausich and Sevastopulo, 2001, p. 68.
- Platycrinus trigintidactylus* (Austin and Austin, 1842). Bronn, 1848, p. 993. de Koninck and Le Hon, 1854, p. 167, Pl. 5, figs. 2a-2g. Pictet, 1857, p. 331, Pl. 101, fig. 14. Zittel, 1880, p. 364, Fig. 252. Zittel, 1895, p. 127, Fig. 241. Lahusen, 1895, p. 151, Fig. 204. Wachsmuth *in* Zittel, 1900, p. 139, Fig. 240. Bassler and *Platycrinus spinosus* (Austin and Austin, 1842). Quenstedt, 1867, p. 739, Pl. 71, fig. 6. Bronn, 1848, p. 993.
- Platycrinites spinosus* Austin and Austin, 1842, p. 109. Austin and Austin, 1843a, p. 199. Austin and Austin, 1843b, p. 19, Pl. 1, figs. 2k, 2o-2s. Bassler and Moodey, 1943, p. 627. Wright, J., 1955b, p. 269, Pls. 65, fig. 6; 67, figs. 2-3, 10; 68, fig. 6; 69, fig. 29; 75, fig. 13. Webster, 1973, p. 214. Ausich and Sevastopulo, 2001, p. 68.
- Mississippian, late Tournaisian, Mountain Limestone, Hook Head Formation, *Michelinia* Beds to *Linoproductus* Bed. United Kingdom; Ireland; Belgium
- Platycrinites* s.s. *langbaensis* Webster, Waters, and Chen, 2009, p. 148, Fig. 9, nos. z-cc.
- Platycrinites insulus* Wright; Chen and Yao, 1993, p. 46, Pl. 9, figs. 8-10. Webster, Waters, and Chen, 2009, p. 148.
- Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Platycrinites* s.s. *mirabilis* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 147, Fig. 9, nos. r-u.
- Platycrinites?* *mirabilis* Chen and Yao, 1993, p. 46, Pl. 8, fig. 8; Fig. 22, nos. a-b. Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Platycrinites* s.s. *peculiaris* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 702.
- Platycrinus peculiaris* Wachsmuth and Springer, 1897, p. 700, Pls. 68, figs. 7a-7b; 71, fig. 16. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 624.
- Platycrinites peculiaris* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 624. Haugh, 1978, p. 166, Figs. 15, no. D; 17, no. G. Webster, 1986, p. 255.
- Mississippian, Viséan (Osagean), Lake Valley Limestone. United States, New Mexico
- Platycrinites* s.s. *pisum* (Rowley and Hare, 1891). Ausich and Kammer, 2009, p. 702.

- Platycrinus pisum* Rowley and Hare, 1891b, p. 113, Pl. 3, fig. 3. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 660, Pl. 71, figs. 13a-13b. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 624.  
*Platycrinites pisum* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 624. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri
- Platycrinites s.s. reouienensis* Webster et al., 2004. Ausich and Kammer, 2009, p. 702 (misspelled as *P. s.s. reouiensis*).  
*Platycrinites reouienensis* Webster et al., 2004, p. 32, Pl. 8, figs. 1-8. Mississippian, Serpukovian, E1, El Guelmouna Formation, Aïn Mezerelt Member. Algeria
- Platycrinites s.s. vascellum* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 702.  
*Platycrinus vascellum* Miller and Gurley, 1895a, p. 32, Pl. 2, figs. 16-18. Miller, S. A., 1897, p. 750, Fig. 1378. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 628.  
*Platycrinites vascellum* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 628. Mississippian, Viséan (Osagean), Ft. Payne Chert. United States, Tennessee
- Platycrinites s.s. verrucosus* (White, 1865). Ausich and Kammer, 2009, p. 702.  
*Platycrinus verrucosus* White, C. A., 1865, p. 502. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Wachsmuth and Springer, 1897, p. 705, Pls. 66, figs. 3a-3b; 68, figs. 1a-1d. Miller, S. A., 1897, p. 751. Weller, S., 1898c, p. 448. Bassler and Moodey, 1943, p. 629.  
*Platycrinites verrucosus* (White, 1865). Bassler and Moodey, 1943, p. 629. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 18. Webster, 1973, p. 214. Mississippian, Viséan (Osagean), lower part of Burlington Limestone, Lake Valley Limestone. United States, Iowa, Missouri, New Mexico
- Platycrinites s.s. wachsmuthi* (Wanner, 1916). Ausich and Kammer, 2009, p. 702.  
*Platycrinus wachsmuthi* Wanner, 1916, p. 53, Pls. 97 (2), figs. 4, 5; 100 (5), figs. 3-10; Figs. 6, 7. Wanner, 1924, p. 75, Pl. 2, fig. 4. Branson, C. C., 1948, p. 208.  
*Pleurocrinus wachsmuthi* (Wanner, 1916). Branson, C. C., 1948, p. 208. Ausich and Kammer, 2009, p. 709. Baumiller, Gahn and Savill, 2004, p. 394, Fig. 1. Webster and Donovan, 2012b, p. 157, Fig. 1, nos A-F.  
*Platycrinites wachsmuthi* (Wanner, 1916). Bassler and Moodey, 1943, p. 629. Bowsher and Strimple, 1986, p. 9, Fig. 27, nos. a-c. Webster, 1993, p. 95.  
*Pleurocrinus wachsmuthi typicus* Wanner, 1916. Wanner, 1937, p. 81. Bassler and Moodey, 1943, p. 629. Branson, C. C., 1948, p. 208. Permian, series uncertain. West Timor
- Platycrinites s.s. wachsmuthi apnaensis* (Wanner, 1937). Ausich and Kammer, 2009, p. 702.  
*Platycrinus wachsmuthi apnaensis* Wanner, 1937, p. 83. Bassler and Moodey, 1943, p. 629.

*Platycrinus wachsmuthi* Form 5 Wanner, 1916, p. 58, Pl. 97 (2), fig. 4. Bassler and Moodey, 1943, p. 629.

*Pleurocrinus wachsmuthi apnaensis* (Wanner, 1937). Wanner, 1937, p. 82.

Branson, C. C., 1948, p. 208. Ausich and Kammer, 2009, p. 709.

*Platycrinites wachsmuthi* Wanner, 1916, Pl. 2, fig. 4 only. Branson, C. C., 1948, p. 208.

*Platycrinites wachsmuthi apnaensis* (Wanner, 1937). Bassler and Moodey, 1943, p. 629.

Permian, series uncertain. West Timor, Dorf Apna

*Platycrinites s.s. wachsmuthi frequentior* (Wanner, 1937). Ausich and Kammer, 2009, p. 702 (as *Platycrinites s.s. wachsmuthi. frequentia*).

*Platycrinus wachsmuthi frequentior* Wanner, 1937, p. 82, Pl. 7, figs. 4-7. Bassler and Moodey, 1943, p. 629.

*Platycrinus wachsmuthi* Forms 2, 3, 4 Wanner, 1916, p. 56-58, Pls. 2, fig. 5; 5, figs. 8-10. Bassler and Moodey, 1943, p. 629. Branson, C. C., 1948, p. 209.

*Platycrinus wachsmuthi* Wanner, 1924, p. 75, Pl. 2, figs. 1-3. Bassler and Moodey, 1943, p. 629.

*Pleurocrinus wachsmuthi frequentior* Wanner, 1937, p. 82, Pl. 7, figs. 4-7. Branson, C. C., 1948, p. 209. Ausich and Kammer, 2009, p. 709.

*Platycrinites wachsmuthi frequentior* (Wanner, 1937). Bassler and Moodey, 1943, p. 629.

Permian, series uncertain. West Timor, Noil Fatoe, Basleo

*Platycrinites s.s. xiyiensis* Chen, 1984. Webster, Waters, and Chen, 2009, p. 147, Fig. 9, nos. v-y.

*Platycrinites xiyiensis* Chen, Z.-t., 1984, p. 372, Pl. 1, figs. 17-22. Chen and Yao, 1993, p. 45, Pl. 8, figs. 6-7. Webster, Waters, and Chen, 2009, p. 147.

*Brahmacrinus yunnanensis* Chen, Z.-t., p. 373, Pl. 1, figs. 26-28. Chen and Yao, 1993, p. 50, Pl. 7, fig. 3. Webster, Waters, and Chen, 2009, p. 148.

*Platycrinites conglobatus* (Wright); Chen and Yao, 1993, p. 47, Pl. 8, figs. 9-11. Webster, Waters, and Chen, 2009, p. 147.

*Platycrinites fermanaghensis* (Wright); Chen and Yao, 1993, p. 45, Pl. 8, fig. 3. Webster, Waters, and Chen, 2009, p. 147.

*Platycrinites? invertielensis* (Wright); Chen, Z.-t., 1984, p. 371, Pl. 1, figs. 14-16. Chen and Yao, 1993, p. 45, Pl. 8, figs. 4-5. Webster, Waters, and Chen, 2009, p. 147.

*Platycrinites pileatus* Goldfuss; Chen and Yao, 1993, p. 47, Pl. 9, figs. 6-7. Webster, Waters, and Chen, 2009, p. 147.

*Platycrinites trigintidactylus* Austin and Austin; Chen, Z.-t., 1984, p. 371, Pl. 1, figs. 1-13. Chen and Yao, 1993, p. 44, Pl. 8, figs. 1-2. Webster, Waters, and Chen, 2009, p. 147.

Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

## **PLATYCRINITES** sensu lato Miller, 1821.

Sbc. Camerata, O. Monobathrida, Subo. Glyptocrinina, Supf. Platycrinitoidea, F. Platycrinitidae

Ausich and Kammer, 2009, p. 704.

Named, currently recognized species based on cups or crowns: 77 species. 5 Devonian, 1 Eifelian, 1 Givetian, 2 Famennian, 1 series undesignated; 59 Mississippian, 34 Tournaisian, 8 Tournaisian – Viséan, 17 Viséan, 1 Serpukhovian; 4 Pennsylvanian, 1 Bashkirian, 2 Desmoinesian, 1 Moscovian; 4 Permian 1 Sakmarian or Artinskian, 1 Artinskian, 1 Artinskian or Early Roadian, 1 Early or Middle undesignated  
 Devonian, Famennian; Mississippian, Pennsylvanian, Desmoinesian; Permian, Early - Middle. North America  
 Devonian, Famennian - Mississippian, Viséan. Western Europe  
 Mississippian, Serpukhovian – Pennsylvanian, Bashkirian - Moscovian. North Africa  
 Mississippian, Tournaisian; Permian, Sakmarian – ?Artinskian. Australia  
 Permian, series uncertain. West Timor

*Platycrinites* s.l. *absentivus* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus absentivus* Miller, S. A., 1891b, p. 15, Pl. 1, fig. 15. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 432. Peck and Keyte, 1938, p. 91, Pl. 31, figs. 2-4. Bassler and Moodey, 1943, p. 614.

*Platycrinites absentivus* (Miller, 1891). Bassler and Moodey, 1943, p. 614.

*Platycrinus pettisensis* Miller and Gurley, 1895b, p. 73, Pl. 4, figs. 24-25. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 614.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *aequiternus* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus aequiternus* Miller, S. A., 1891b, p. 14, Pl. 1, fig. 13. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 658, Pl. 71, fig. 12. Miller, 1897, p. 750, Fig. 1371. Weller, S., 1898c, p. 433. Peck and Keyte, 1938, p. 92, Pl. 31, fig.

1. Bassler and Moodey, 1943, p. 614.

*Platycrinites aequiternus* (Miller, 1891). Bassler and Moodey, 1943, p. 614. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 136.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *amabilis* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus amabilis* Miller, S. A., 1891b, p. 19, Pl. 2, figs. 9-10. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 433. Bassler and Moodey, 1943, p. 615.

*Platycrinites amabilis* (Miller, 1891). Bassler and Moodey, 1943, p. 615.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *annosus* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus annosus* Miller, S. A., 1889, p. 750, Fig. 1373. Miller, S. A., 1891b, p. 14, Pl. 1, fig. 12. Miller, S. A., 1897, p. 750, Fig. 1373. Weller, S., 1898c, p. 434.

Peck and Keyte, 1938, p. 90, Pl. 30, figs. 6-8. Bassler and Moodey, 1943, p. 615.

*Platycrinus annosus* Miller, 1890. Miller, S. A., 1892a, p. 681.

*Platycrinites annosus* (Miller, 1891). Bassler and Moodey, 1943, p. 615.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *arenosus* (de Koninck and Le Hon, 1854). Ausich and Kammer, 2009, p. 704.

*Platycrinus arenosus* de Koninck and Le Hon, 1854, p. 182, Pl. 5, fig. 7. Bassler and Moodey, 1943, p. 615. Ausich and Kammer, 2009, p. 704.

*Platycrinites arenosus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 615.

Mississippian, Tournaisian. Belgium

*Platycrinites* s.l. *asiatica* (Minato, 1951). Ausich and Kammer, 2009, p. 704.

*Platycrinus asiatica* Minato, 1951, p. 357, Pls. 1, fig. 8; 4, figs. 2a-2b (*non* Pl. 5, figs. 2a-2b, as given p. 357). Shikama, 1964, p. 168, Pl. 61, figs. 1-2. Webster, 1973, p. 211. Minato *et al.*, in Minato *et al.*, 1979, p. 77, Pl. 20, figs. 1, 2.

*Platycrinites asiatica* (Minato, 1951). *Nomen correctum*

Mississippian, Tournaisian, Hikoroichi Formation. Northern Japan

*Platycrinites* s.l. *bedforensis* (Hall and Whitfield, 1875). (*nomen nudum*) Ausich and Roeser, 2012, p. 503.

*Platycrinites bedfordensis* (Hall, 1875). Bassler and Moodey, 1943, p. 616.

*Platycrinus bedfordensis* Hall, 1875, p. 161, Pl. 13, fig. 4. Miller, S. A., 1889, p. 270. Lesley, 1889, p. 686, Fig. 4. Bassler and Moodey, 1943, p. 616. Ausich and Roeser, 2012, p. 503.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale, Meadville Shale member. United States, Ohio

*Platycrinites* s.l. *blairi* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus blairi* Miller, S. A., 1891b, p. 21, Pl. 2, figs. 13-14. Miller, S. A., 1892a, p. 681. Miller, S. A., 1897, p. 750, Fig. 1374. Weller, S., 1898c, p. 434. Bassler and Moodey, 1943, p. 616.

*Platycrinites blairi* (Miller, 1891). Bassler and Moodey, 1943, p. 616.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *bollandensis* (Wright, 1938). Ausich and Kammer, 2009, p. 704.

*Platycrinus bollandensis* Wright, J., 1938a, p. 281, Pl. 11, figs. 11, 13. Bassler and Moodey, 1943, p. 616.

*Platycrinites bollandensis* (Wright, 1938). Bassler and Moodey, 1943, p. 616.

Wright, J., 1946b, p. 126, Pl. 7, fig. 1. Wright, J., 1955b, p. 272, Pls. 66, fig. 1; 71, figs.

24-25. Webster, 1973, p. 211.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom, Scotland

*Platycrinites* s.l. *brittsi* (Miller, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus brittsi* Miller, S. A., 1891b, p. 23, Pl. 3, figs. 3-4. Miller, S. A., 1892a, p.



681. Wachsmuth and Springer, 1897, p. 659, Pl. 71, fig. 10. Weller, S., 1898c, p. 435. Peck and Keyte, 1938, p. 93, Pl. 30, figs. 4-5. Bassler and Moodey, 1943, p. 617.
- Platycrinites brittsi* (Miller, 1891). Bassler and Moodey, 1943, p. 617. Brower, 1970, p. 522, Pl. 66, fig. 11. Webster, 1977, p. 137.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *burkei* Ausich and Roeser, 2012, p. 506, Figs. 10.2-110.5, 10.7.  
Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale, Meadville Shale member. United States, Ohio
- Platycrinites* s.l. *chouteauensis* (Miller, 1892). Ausich and Kammer, 2009, p. 704.  
*Platycrinus chouteauensis* Miller, S. A., 1892a, p. 681. Miller, S. A., 1892c, p. 14; Pl. 2, figs. 14-15. Miller, S. A., 1894, p. 268, Pl. 2, figs. 14-15. Weller, S., 1898c, p. 436. Peck and Keyte, 1938, p. 94, Pl. 30, figs. 2, 14-15. Bassler and Moodey, 1943, p. 617.
- Platycrinites chouteauensis* (Miller, 1892). Bassler and Moodey, 1943, p. 617.  
*Platycrinus missouriensis* Miller and Gurley, 1895b, p. 73, Pl. 4, figs. 22-23. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 617.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *clinatus* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 704.  
*Platycrinus clinatus* Miller and Gurley, 1895b, p. 74, Pl. 4, figs. 26-30. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 436. Peck and Keyte, 1938, p. 95, Pl. 30, figs. 18-19. Bassler and Moodey, 1943, p. 617.
- Platycrinites clinatus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 617.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *colletti* (Miller, 1892). Ausich and Kammer, 2009, p. 704.  
*Platycrinus colletti* Miller, S. A., 1892a, p. 681. Miller, S. A., 1892c, p. 14, Pl. 2, figs. 16-17. Miller, S. A., 1894, p. 268, Pl. 2, figs. 16-17. Weller, S., 1898c, p. 437. Peck and Keyte, 1938, p. 96, Pl. 30, figs. 16-17. Bassler and Moodey, 1943, p. 617.
- Platycrinites colletti* (Miller, 1892). Bassler and Moodey, 1943, p. 617.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *conglobatus* (Wright, 1937). Ausich and Kammer, 2009, p. 704.  
*Platycrinus conglobatus* Wright, J., 1937, p. 391, Pls. 13, figs. 13-14; 14, figs. 8-10; Fig. 3. Wright, J., 1939, p. 9, Pl. 12, figs. 7-14; Fig. 3. Bassler and Moodey, 1943, p. 618.
- Platycrinites conglobatus* (Wright, 1937). Bassler and Moodey, 1943, p. 618. Wright, J., 1956b, p. 277, Pls. 66, fig. 8; 71, figs. 8, 13, 28, 33. Webster, 1973, p. 211.

Mississippian, Tournaisian - Viséan, Lower Limestone Group. United Kingdom, Scotland;

*Platycrinites* s.l. *contractus* (Gilbertson in Phillips, 1836). Ausich and Kammer, 2009, p. 704.

*Platycrinus contractus* Gilbertson in Phillips, 1836, p. 204, Pl. 3, fig. 25. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 618.

*Platycrinites contractus* (Gilbertson, 1836). Bassler and Moodey, 1943, p. 618. Wright, J., 1956b, p. 294, Pl. 80, figs. 14-15. Webster, 1973, p. 212. Donovan and Westhead, 1987, p. 211, Fig. 1, nos. A-D. Webster, 1993, p. 93. Mississippian, Tournaisian. United Kingdom; Ireland

*Platycrinites* s.l. *contritus* (Hall, 1863). (*nomen nudum*) Ausich and Roeser, 2012, p. 503, Fig. 1 0.6.

*Platycrinites contritus* (Hall, 1863). Bassler and Moodey, 1943, p. 618.

*Platycrinus contritus* Hall, 1863b, p. 54. Hall, 1864a, p. 54. Shumard, 1868, p. 387. Hall and Whitfield, 1875c, p. 166, Pl. 11, fig. 4. Miller, S. A., 1889, p. 270. Lesley, 1889, p. 687, Fig. 1. Wachsmuth and Springer, 1897, p. 667, Pl. 71, fig. 8. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 437. Bassler and Moodey, 1943, p. 618. ) Ausich and Roeser, 2012, p. 503

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Platycrinites* s.l. *corbuliformis* (Rowley and Hare, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus corbuliformis* Rowley and Hare, 1891b, p. 113, Pl. 3, figs. 1-2. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 657, Pl. 71, figs. 11a-11b. Weller, S., 1898c, p. 437. Bassler and Moodey, 1943, p. 618.

*Platycrinites corbuliformis* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 618.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Missouri

*Platycrinites* s.l. *cortina* (Miller and Gurley, 1894). Ausich and Kammer, 2009, p. 704.

*Platycrinus cortina* Miller and Gurley, 1894b, p. 40, Pl. 3, figs. 15-16. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 437. Peck and Keyte, 1938, p. 97, Pl. 30, figs. 9-10. Bassler and Moodey, 1943, p. 618.

*Platycrinites cortina* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p. 618. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *cruciatus* (Quenstedt, 1876). Ausich and Kammer, 2009, p. 704.

*Platycrinus cruciatus* Quenstedt, 1876, p. 554, Pl. 109, fig. 36. Bassler and Moodey, 1943, p. 618.

*Platycrinites cruciatus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 618. Mississippian, Tournaisian. Belgium

- Platycrinites* s.l. *curryvillensis* (Rowley and Hare, 1891). Ausich and Kammer, 2009, p. 704.  
*Platycrinus curryvillensis* Rowley and Hare, 1891a, p. 98, Pl. 2, fig. 5. Weller, S., 1898, p. 433. Peck and Keyte, 1938, p. 98, Pl. 30, figs. 11-12. Bassler and Moodey, 1943, p. 618.  
*Platycrinites curryvillensis* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 618.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *depressus* Goldfuss, 1831. Ausich and Kammer, 2009, p. 704.  
*Platycrinites depressus* Goldfuss, 1831, p. 188, Pl. 58, figs. 1A-1B. Bassler and Moodey, 1943, p. 619. Ausich and Kammer, 2009, p. 704.  
*Platycrinus depressus* Goldfuss, 1831. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 103. Dujardin and Hupé, 1862, p. 152. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270.  
 Mississippian, Viséan. Germany
- Platycrinites* s.l. *djihaniensis* Webster et al, 2004. Webster et al., 2011, p. 21, Fig. 5, nos. m-gg.  
*Platycrinites djihaniensis* Webster et al., 2004, p. 34, Pl. 8, figs. 14-19.  
 Mississippian, Serpukovian, E2, top of Djenien Formation. Algeria  
 Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Platycrinites* s.l. *discoideus* (Owen and Shumard, 1850). Ausich and Kammer, 2009, p. 704.  
*Platycrinus discoideus* Owen and Shumard, 1850, p. 58, Pl. 7, figs. 1a-1b. Shumard, 1852, p. 588, Pl. 5A, figs. 1a-1b. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 270. Lesley, 1889, p. 687, Figs. 1a-1b. Weller, S., 1898, p. 437. Grabau and Shimer, 1910, p. 519. Bassler and Moodey, 1943, p. 619.  
*Platycrinites discoideus* (Owen and Shumard, 1850). Bassler and Moodey, 1943, p. 619. Moore and Laudon, 1943b, p. 143, Pl. 14, fig. 11. Moore and Laudon, 1944, p. 203, Pls. 77, fig. 26; 78, fig. 22. Laudon, 1973b, p. 31, Fig. 6. Brower, 1973, p. 383, Fig. 24, no. U (arm fragment). Webster, 1973, p. 212. Webster, 1977, p. 13.  
*Platycrinus corrugatus* Owen and Shumard, 1850, p. 59, Pl. 7, figs. 2a-2c. 1852, p. 588, Pl. 5, figs. 2a-2e. Shumard, 1868, p. 387. Miller, S. A., 1889, p. 270. Lesley, 1889, p. 687, Figs. a-c, e. Weller, S., 1898c, p. 437. Bassler and Moodey, 1943, p. 619.  
*Platycrinus (Cupellecrinus) corrugatus* Owen and Shumard, 1850. Bigsby, 1868, p. 22.  
*Platycrinus multi-brachiatus* Meek and Worthen, 1861, p. 135. Weller, S., 1898c, p. 438.  
*Platycrinus multibrachiatus* Meek and Worthen, 1861, p. 135. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 271. Bassler and Moodey, 1943, p. 619.  
*Platycrinus pulcellus* Miller, S. A., 1891b, p. 11, Pl. 1, fig. 7. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 619.

*Platycrinus shumardianus* Hall, 1858c, p. 532, Pl. 8, fig. 5. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 619.

*Platycrinus striobrachiatus* Hall, 1861a, p. 287. Hall, 1861b, p. 4. Hall, 1861c, p. 287.

Shumard, 1868, p. 390. Hall, 1872b, Pl. 2A, figs. 2-3. Miller, S. A., 1889, p. 272. Whitfield, 1893b, p. 4, Pl. 3, figs. 2-4. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 619.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Iowa, Missouri

*Platycrinites* s.l. *dodgei* (Rowley, 1908). Ausich and Kammer, 2009, p. 704.

*Platycrinus dodgei* Rowley, R. R., 1908, p. 68, Pl. 16, figs. 42-48. Bassler and Moodey, 1943, p. 619. Williams, J. S., 1943, p. 64, Pl. 6, figs. 16-18. Webster, 1973, p. 212.

*Platycrinites dodgei* (Rowley, 1908). Bassler and Moodey, 1943, p. 619. Webster, 1973, p. 212. Ausich and Kammer, 2009, p. 704.

Mississippian, Tournaisian (Kinderhookian), Louisiana Limestone. United States, Louisiana, Missouri

*Platycrinites* s.l. *eminulus* (Hall, 1861). Ausich and Kammer, 2009, p. 704.

*Platycrinus eminulus* Hall, 1861b, p. 17. Shumard, 1868, p. 388. Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1897, p. 712, Pl. 68, figs. 13a-13c. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 620.

*Platycrinites eminulus* (Hall, 1861). Bassler and Moodey, 1943, p. 620. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 137.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites* s.l. *excavatus* (Hall, 1861). Ausich and Kammer, 2009, p. 704.

*Platycrinus excavatus* Hall, 1861a, p. 287. Hall, 1861b, p. 4. Hall, 1861c, p. 286. Shumard, 1868, p. 388. Hall, 1872b, Pl. 2A, fig. 1. Miller, S. A., 1889, p. 270. Whitfield, 1893b, p. 3, Pl. 3, fig. 5. Wachsmuth and Springer, 1897, p. 718, Pl. 66, fig. 4. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 620.

*Platycrinites excavatus* (Hall, 1861). Bassler and Moodey, 1943, p. 620.

*Platycrinus sulcatus* Miller, S. A., 1891b, p. 16, Pl. 2, fig. 2. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 438. Bassler and Moodey, 1943, p. 620.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, upper part of Burlington Limestone. United States, Iowa, Missouri

*Platycrinites* s.l. *expansus* (M'Coy, 1844). Ausich and Kammer, 2009, p. 704.

*Platycrinus expansus* M'Coy, 1844, p. 175, Pl. 25, figs. 18-19. d'Orbigny, 1850, p. 156. Roemer, C. F. in Bronn and Roemer, 1851, p. 245, Pl. 4, figs. 14a-14b. Dujardin and Hupé, 1862, p. 153. Roemer, C. F., 1876, Pl. 40, figs. 1a-1b. Frech,

1902, Pl. 40, figs. 1a-1b. Bassler and Moodey, 1943, p. 620.

- Platycrinites expansus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 620. Wright, J., 1956b, p. 284, Pls. 69, figs. 17-20; 70, figs. 7, 10-11. Webster, 1973, p. 212. Mississippian, Tournaisian, Mountain Limestone. Ireland
- Platycrinites* s.l. *faberi* (Miller, 1889). Ausich and Kammer, 2009, p. 704.  
*Platycrinus faberi* Miller, S. A., 1889, p. 270, Fig. 393. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 620.  
*Platycrinites faberi* (Miller, 1889). Bassler and Moodey, 1943, p. 620. Mississippian, Viséan (Meramecian or Chesterian), St. Louis or Kaskaskia Group. United States, West Virginia
- Platycrinites* s.l. *fermanaghensis* Wright, J., 1956. Ausich and Kammer, 2009, p. 704.  
*Platycrinites fermanaghensis* Wright, J., 1956b, p. 286, Pls. 69, figs. 13-16; 70, figs. 12-15. Webster, 1973, p. 212. Mississippian, Tournaisian?. Ireland
- Platycrinites* s.l. *germanus* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 704.  
*Platycrinus germanus* Miller and Gurley, 1895b, p. 78, Pl. 4, figs. 46-47. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 439. Peck and Keyte, 1938, p. 99, Pl. 30, fig. 3. Bassler and Moodey, 1943, p. 620.  
*Platycrinites germanus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 620. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Platycrinites* s.l. *granulatus* Miller, 1821. Ausich and Sevastopulo, 2001, p. 72, Pl. 8, figs. 13-15. Ausich and Kammer, 2009, p. 704.  
*Platycrinites granulatus* Miller, J. S., 1821, p. 82, Unnum. Pl., figs. 1-3. Fleming, 1828, p. 496. Bassler and Moodey, 1943, p. 621. Wright, J., 1956b, p. 287, Pl. 67, figs. 8, 11. Webster, 1973, p. 212.  
*Encrinites granulatus* (Miller, 1821). Schlotheim, 1822-1823, p. 94, Pl. 26, figs. 3a-3c. Schlotheim, 1932, p. 24, Pl. 26, figs. 3a-3c. Bronn, 1848, p. 993.  
*Platycrinus granulatus* (Miller, 1821). Austin and Austin, 1844, p. 33, Pl. 3, figs. 2i-2o. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 152. Bassler and Moodey, 1943, p. 621.  
*Platycrinites granulatus* Miller, 1821. Gilbertson *in* Portlock, 1843, p. 350, Pl. 16, fig. 4.  
*Platycrinus granulatus* (Miller, 1821). Bronn, 1848, p. 993.  
*Medusacrinus granulatus* (Miller, 1821). Austin, 1875, p. 91. Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds and Supradolomite Beds. Ireland; United Kingdom; Belgium
- Platycrinites* s.l. *graphicus* (Hall, 1863). Ausich and Roeser, 2012, p. 503, Figs. 7.2-7.3, 9.4-9.7.  
*Platycrinites graphicus* (Hall, 1863). Bassler and Moodey, 1943, p. 621.  
*Platycrinus graphicus* Hall, 1863b, p. 55. Shumard, 1868, p. 388. Hall and Whitfield, 1875c, p. 166, Pl. 11, fig. 2. Miller, S. A., 1889, p. 271. Lesley, 1889,

- p. 687, Fig. 2. Wachsmuth and Springer, 1897, p. 672, Pl. 71, fig. 7. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 621. Ausich and Roeser, 2012, p. 503.
- Platycrinus richfieldensis* Hall and Whitfield, 1875c, p. 167, Pl. 2, fig. 1. Miller, S. A., 1889, p. 271. Lesley, 1889, p. 689, Fig. 1. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 621.  
Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale, Meadville Member.  
United States, Ohio
- Platycrinites* s.l. *guttifer* Schmidt, 1930. Ausich and Kammer, 2009, p. 704.  
*Platycrinus guttifer* Schmidt, W. E., 1930, p. 10, Pl. 2, figs. 3-6. Bassler and Moodey, 1943, p. 621. Ausich and Kammer, 2009, p. 704.  
*Platycrinites guttifer* (Schmidt, 1930). Lane, Maples, and Waters, 2001b, p. 242, Fig. 2, nos. E, G-I. Bassler and Moodey, 1943, p. 621.  
Devonian, Famennian, Etroeungt. Germany
- Platycrinites* s.l. *halos* Webster and Jell, 1999b. Ausich and Kammer, 2009, p. 705.  
*Platycrinites halos* Webster and Jell, 1999b, p. 295, Fig. 6, nos. C-D. Ausich and Kammer, 2009, p. 705.  
Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland
- Platycrinites* s.l. *hamarensis* Webster et al., 2004. Ausich and Kammer, 2009, p. 705.  
*Platycrinites hamarensis* Webster et al., 2004, p. 34, Pl. 9, figs. 15-22. Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, Bashkirian, Oued el Hamar Formation and Hassi Kerma Formation. Algeria
- Platycrinites* s.l. *hodgsoni* (Miller and Gurley, 1896). Ausich and Kammer, 2009, p. 704.  
*Platycrinus hodgsoni* Miller and Gurley, 1896a, p. 63, Pl. 5, figs. 8-9. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 440. Bassler and Moodey, 1943, p. 621.  
*Platycrinites hodgsoni* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 621.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Platycrinites* s.l. *humilis* (Wright, 1938). Ausich and Kammer, 2009, p. 704.  
*Platycrinus humilis* Wright, J., 1938a, p. 279, Pl. 10, figs. 9-12. Bassler and Moodey, 1943, p. 622.  
*Platycrinites humilis* (Wright, 1938). Bassler and Moodey, 1943, p. 622. Wright, J., 1956b, p. 279, Pl. 72, figs. 9-12. Webster, 1973, p. 213.  
Mississippian, Viséan, C<sub>2</sub>. United Kingdom
- Platycrinites* s.l. *illinoisensis* (Miller and Gurley, 1896). Ausich and Kammer, 2009, p. 704.  
*Platycrinus illinoisensis* Miller and Gurley, 1896a, p. 62, Pl. 5, figs. 5-7. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 622.  
*Platycrinites illinoisensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p.

622.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois

*Platycrinites* s.l. *insolens* (Rowley and Hare, 1891). Ausich and Kammer, 2009, p. 704.

*Platycrinus insolens* Rowley and Hare, 1891a, p. 98, Pl. 2, fig. 4. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 659, Pl. 71, fig. 15. Weller, S., 1898c, p. 441. Peck and Keyte, 1938, p. 99, Pl. 30, fig. 13. Bassler and Moodey, 1943, p. 622.

*Platycrinites insolens* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 622. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Platycrinites* s.l. *invertielensis* (Wright, 1942). Ausich and Kammer, 2009, p. 704.

*Platycrinus invertielensis* Wright, J., 1942, p. 270, Pl. 9, figs. 4-5 Wright, J., 1956b, p.

293. Webster, 1973, p. 213.

*Platycrinites?* *invertielensis* (Wright, 1942). Wright, J., 1956b, p. 293, Pl. 74, figs. 14-15. Webster, 1973, p. 213.

Mississippian, Tournaisian - Viséan, Lower Limestone Group. United Kingdom

*Platycrinites* s.l. *jameswrighti* Donovan and Westhead, 1987. Ausich and Kammer, 2009, p. 704.

*Platycrinites jameswrighti* Donovan and Westhead, 1987, p. 213, Figs. 1, no. E; 2. Webster, 1993, p. 94. Donovan, 1996a, p. 197, Fig. 2, no. b.

Mississippian, Tournaisian or Viséan (Chadian), Salthill Cap Beds. United Kingdom

*Platycrinites* s.l. *laciniatus* (Gilbertson, 1836). Ausich and Kammer, 2009, p. 704.

*Platycrinus laciniatus* Gilbertson in Phillips, 1836, p. 204, Pl. 3, figs. 18. Austin and Austin, 1844, p. 42, Pl. 5, figs. 1a-1c. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 622.

*Platycrinites laciniatus* (Gilbertson, 1836). Bassler and Moodey, 1943, p. 622.

*Platycrinites?* *laciniatus* (Gilbertson in Phillips, 1836). Wright, J., 1956b, p. 293, Pl. 80, figs. 13, 19. Webster, 1973, p. 213.

Mississippian, Tournaisian. Ireland, United Kingdom

*Platycrinites* s.l. *lodensis* (Hall and Whitfield, 1875). Ausich and Roeser, 2012, p. 504

*Platycrinites lodensis* (Hall and Whitfield, 1875). Bassler and Moodey, 1943, p. 623.

*Platycrinus lodensis* Hall and Whitfield, 1875c, p. 168, Pl. 2, fig. 3. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 666, Pl. 71, fig. 6. Weller, S., 1898c, p. 441. Bassler and Moodey, 1943, p. 623. Ausich and Roeser, 2012,

p. 504.

*Platycrinus lodiensis* (Hall and Whitfield, 1875). Lesley, 1889, p. 688, Fig. 3 (sic). Ausich, 1996b, p. 249, Fig. 17-7, nos. 2-3.

*Platycrinites lodiensis* (Hall and whitfield, 1875). Ausich, 1996b, p. 249, Fig. 17-7, nos. 2-3 (sic).

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Cuyahoga Shale,

## Meadville Member, Keokuk Limestone. United States, Ohio, Indiana

- Platycrinites* s.l. *muirkirkensis* Wright, J., 1956b. Ausich and Kammer, 2009, p. 704.  
*Platycrinites muirkirkensis* Wright, J., 1956b, p. 291, Pl. 74, figs. 23-25. Webster, 1973, p. 213.  
 Mississippian, Serpukhovian, E<sub>2</sub>, Upper Limestone Group. United Kingdom, Scotland
- Platycrinites* s.l. *nactus* Bowsher and Strimple, 1986. Ausich and Kammer, 2009, p. 705.  
*Platycrinites nactus* Bowsher and Strimple, 1986, p. 10, Figs. 35, nos. a-k; 48, nos. a-g; 50, nos. a-h; 51, nos. a-p; 69, nos. a-d. Webster, 1993, p. 94. Webster and Kues, 2006, p. 9. Ausich and Kammer, 2009, p. 705.  
 Pennsylvanian, late Desmoinesian, Gobler Formation, Bug Scuffle Member. United States, New Mexico
- Platycrinites* s.l. *nikondaense* Broadhead and Strimple, 1977. Ausich and Kammer, 2009, p. 705.  
*Platycrinites nikondaense* Broadhead and Strimple, 1977, p. 1169, Pl. 1, figs. 3, 6-7; Figs. 1; 2, no. A. Bowsher and Strimple, 1986, p. 9, Figs. 33, nos. a-e; 56 (after Broadhead and Strimple, 1977). Webster, 1986, p. 255. Webster, 1993, p. 94. Ausich and Kammer, 2009, p. 705.  
 Early or Middle Permian. United States, Alaska
- Platycrinites?* s.l. *nux* (Etheridge *in* Jack and Etheridge, 1892). Ausich and Kammer, 2009, p. 705.  
*Platycrinus?* *nux* Etheridge *in* Jack and Etheridge, 1892, p. 208, Pl. 38, fig. 3. Branson, C. C., 1948, p. 207. Bassler and Moodey, 1943, p. 623.  
*Platycrinites?* *nux* (Etheridge *in* Jack and Etheridge, 1892). Branson, C. C., 1948, p. 207. Bassler and Moodey, 1943, p. 623. Ausich and Kammer, 2009, p. 705.  
 Permian, early Artinskian, Berserker Beds. Australia, Queensland
- Platycrinites* s.l. *nux?* (Etheridge, 1892) (non Etheridge *in* Jack and Etheridge, 1892). Ausich and Kammer, 2009, p. 705.  
*Platycrinus nux* Etheridge, 1892. Webster and Jell, 1999a, p. 258.  
*Platycrinites nux?* (Etheridge, 1892) (non Etheridge *in* Jack and Etheridge, 1892). Webster and Jell, 1999a, p. 258, Fig. 14, nos. I-J. Ausich and Kammer, 2009, p. 705.  
 Mississippian, Viséan? Casswell Creek Group. Australia, Queensland
- Platycrinites* s.l. *ollicula* (Miller, 1891). Ausich and Kammer, 2009, p. 704.  
*Platycrinus ollicula* Miller, S. A., 1891b, p. 19, Pl. 2, figs. 7-8. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 442. Peck and Keyte, 1938, p. 100, Pl. 30, fig. 1. Bassler and Moodey, 1943, p. 624.  
*Platycrinites ollicula* (Miller, 1891). Bassler and Moodey, 1943, p. 624.  
 Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States,



## Missouri

- Platycrinites* s.l. *pannosus* Webster et al., 2011, p. 22, Fig. 6, nos. d-m.  
*Platycrinites* n. sp. Webster et al., 2001, p. 111, Pl. 2, figs. I-Q only. Webster et al., 2011, p. 22.  
*Platycrinites* sp. 4 Webster et al., 2004, p. 35, Pl. 8, figs. 22-23. 17, figs. 1-2. Ausich and Kammer, 2009, p. 705.  
*Platycrinites* s.l. sp. 4. Webster et al., 2004. Ausich and Kammer, 2009, p. 705. Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- Platycrinites* s.l. *parvinodus* (Hall, 1861). Ausich and Kammer, 2009, p. 704.  
*Platycrinus parvinodus* Hall, 1861b, p. 17. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Wachsmuth and Springer, 1897, p. 696, Pl. 68, figs. 6a-6b. Weller, S., 1898c, p. 442. Bassler and Moodey, 1943, p. 624.  
*Platycrinites parvinodus* (Hall, 1861). Bassler and Moodey, 1943, p. 624. Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, New Mexico
- Platycrinites* s.l. *phillipsii* (d'Orbigny, 1844). Ausich and Kammer, 2009, p. 705.  
*Platycrinus phillipsii* d'Orbigny, 1844, p. 103. d'Orbigny, 1850, p. 103. Bassler and Moodey, 1943, p. 624. Ausich and Kammer, 2009, p. 705.  
*Platycrinites phillipsii* (d'Orbigny, 1844). Bassler and Moodey, 1943, p. 624.  
*Platycrinus tuberculatus?* Phillips, 1841 (*non* Miller), p. 134, Pl. 60, fig. 39. Bassler and Moodey, 1943, p. 624.  
Devonian. United Kingdom
- Platycrinites* s.l. *pileiformis* (Hall, 1858). Ausich and Kammer, 2009, p. 704.  
*Platycrinus pileiformis* Hall, 1858c, 529, Pl. 8, figs. 3a-3c; Fig. 5b. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Keyes, 1894a, p. 198, Pl. 25, fig. 5. Wachsmuth and Springer, 1897, p. 656, Pls. 69, fig. 5; 70, figs. 13a-13b. Weller, S., 1898c, p. 443. Steinmann, 1903, p. 175, Figs. 230, nos. C-D; 242, nos. C-D. Steinmann, 1907, p. 195, Fig. 277, no. C. Bassler and Moodey, 1943, p. 624.  
*Platycrinites pileiformis* (Hall, 1858). Bassler and Moodey, 1943, p. 624. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 138.  
*Platycrinus carchesium* Miller, S. A., 1891b, p. 23, Figs. 6-7. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 624.  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone, lower part of Burlington Limestone. United States, Iowa, Missouri
- Platycrinites* s.l. *planus* (Owen and Shumard, 1850). Ausich and Kammer, 2009, p. 704.  
*Platycrinus planus* Owen and Shumard, 1850, p. 57, Pl. 7, figs. 4a-4c. Owen and Shumard, 1852, p. 587, Pl. 5A, fig. 4a (*non* 4b). Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Lesley, 1889, p. 688, Figs. a-c. Wachsmuth and Springer, 1897, p. 668, Pl. 69, figs. 2a-2d. Weller, S., 1898c, p. 443. Weller, S., 1900, p. 28, Fig. 10. Bassler and Moodey, 1943, p. 625.  
*Platycrinites planus* (Owen and Shumard, 1850). Meek and Worthen, 1873, p. 452,

- Pl. 3, figs. 5a-5c. Bassler and Moodey, 1943, p. 625. Laudon, 1973b, p. 31, fig. 6. Webster, 1977, p. 138. Ausich and Kammer, 1990, p. 774. Webster, 1993, p. 94. Lee, Ausich, and Kammer, 2005, p. 347. O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, nos. 1, 5, 7, 12.
- Mississippian, Tournaisian – Viséan) (Kinderhookian – Osagean), Hampton Formation; lower and upper part of Burlington Limestone; New Providence Shale;  
Keokuk Limestone; Nada Member, Borden Formation. United States, Iowa, Missouri, Kentucky
- Platycrinites* s.l. *pocilliformis* (Hall, 1858). Ausich and Kammer, 2009, p. 704.  
*Platycrinus pocilliformis* Hall, 1858c, p. 528, Pl. 8, figs. 2a-2b. Wachsmuth and Springer, 1897, p. 706, Pl. 68, figs. 2a-2b. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 444. Moore, 1939b p. 199, Fig. 8, nos. 1a-1b (basal circlet). Bassler and Moodey, 1943, p. 625.  
*Platycrinites pocilliformis* (Hall, 1858). Bassler and Moodey, 1943, p. 625.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Platycrinites* s.l. *poculum* (Miller, 1881). Ausich and Kammer, 2009, p. 704.  
*Platycrinus poculum* Miller, S. A., 1881d, p. 311, Pl. 7, fig. 4. Miller, S. A., 1889, p. 271. Weller, S., 1898c, p. 444. Bassler and Moodey, 1943, p. 625.  
*Platycrinites poculum* (Miller, 1881). Bassler and Moodey, 1943, p. 625.  
Mississippian, Viséan (Osagean), Lake Valley Limestone, Nunn Shale Member. United States, New Mexico
- Platycrinites* s.l. *punctatus* (M'Coy, 1844). Ausich and Kammer, 2009, p. 704.  
*Platycrinus punctatus* M'Coy, 1844, p. 177, Pl. 25, figs. 15, 17. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 625.  
*Platycrinites punctatus* (M'Coy, 1844). Bassler and Moodey, 1943, p. 625.  
Mississippian, Tournaisian?, Mountain Limestone. Ireland
- Platycrinites* s.l. *pyramidalis* Wright, J., 1956b. Ausich and Kammer, 2009, p. 704.  
*Platycrinites pyramidalis* Wright, J., 1956b, p. 285, Pl. 70, figs. 5-6. Webster, 1973, p. 213.  
Mississippian, Tournaisian?. Ireland
- Platycrinites* s.l. *remotus* Strimple and Watkins, 1969. Ausich and Kammer, 2009, p. 705.  
*Platycrinites remotus* Strimple and Watkins, 1969, p. 219, Pl. 47, figs. 8-9. Broadhead and Strimple, 1977, p. 1174. Webster, 1977, p. 139. Bowsher and Strimple, 1986, p. 9, Fig. 54, nos. a-b. Webster, 1986, p. 255. Webster, 1993, p. 94. Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, Desmoinesian, Strawn Group, shale below Kickapoo Falls Limestone. United States, Texas
- Platycrinites* s.l. *selwoodensis* Wright, J., 1955. Ausich and Kammer, 2009, p. 704.  
*Platycrinites selwoodensis* Wright, J., 1955b, explanation of Pl. 64, fig. 9 and

footnote. Wright, J., 1956b, p. 289, Pl. 64, fig. 9. Webster, 1973, p. 214.  
Mississippian, Tournaisian. United Kingdom

*Platycrinites* s.l. *smythi* Wright, J., 1955b. Ausich and Kammer, 2009, p. 704.

*Platycrinites smythi* Wright, J., 1955b, explanation of Pl. 66, fig. 3 and footnote.

Wright, J., 1956b, p. 291, Pl. 66, fig. 3. Webster, 1973, p. 214. Ausich and Sevastopulo, 2001, p. 75, Pl. 8, fig. 19.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

*Platycrinites* s.l. *spinifer* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 704.

*Platycrinites spinifer* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 627. Laudon, 1973b, p. 31, Fig. 6. Webster, 1977, p. 139. Lee, Ausich, and Kammer, 2005, p. 347.

*Platycrinus spinifer* Wachsmuth and Springer, 1897, p. 708, Pl. 66, fig. 7. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 627.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites* s.l. *spinifer elongatus* (Wachsmuth and Springer, 1897). Ausich and Kammer, 2009, p. 704.

*Platycrinus spinifer* var. *elongatus* Wachsmuth and Springer, 1897, p. 709, Pl. 67, fig. 7. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 446. Bassler and Moodey, 1943, p. 627.

*Platycrinites spinifer elongatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 627. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 23.

Webster, 1973, p. 214.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Platycrinites* s.l. *spiniger* (Wright, 1937). Ausich and Kammer, 2009, p. 704.

*Platycrinus spiniger* Wright, J., 1937, p. 392, Pl. 13, fig. 17; Figs. 5-6. Wright, J., 1939, p. 11, Pl. 12, fig. 26; Figs. 5-6. Bassler and Moodey, 1943, p. 627.

*Platycrinites spiniger* (Wright, 1937). Bassler and Moodey, 1943, p. 627. Wright, J., 1956b, p. 292, Pl. 71, fig. 29. Webster, 1973, p. 214.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Platycrinites* s.l. *spitzbergensis* (Holtedahl, 1911). Ausich and Kammer, 2009, p. 705.

*Platycrinus spitzbergensis* Holtedahl, 1911, p. 13, Pl. 1. Holtedahl, 1913, p. 16. Bassler and Moodey, 1943, p. 627.

*Platycrinites spitzbergensis* (Holtedahl, 1911). Bassler and Moodey, 1943, p. 627. Bowsher and Strimple, 1986, p. 8, Fig. 2, nos. a-f (after Holtedahl, 1911).

Webster, 1993, p. 95.

Pennsylvanian, Moscovian. Russia, Spitzbergen

*Platycrinites* s.l. *stellatus* (Weller, 1909). Ausich and Kammer, 2009, p. 704.

*Platycrinus stellatus* Weller, S., 1909, p. 281, Pl. 11, figs. 13-14. Bassler and Moodey, 1943, p. 627.

- Platycrinites stellatus* (Weller, 1909). Bassler and Moodey, 1943, p. 627. Ausich and Kammer, 2009, p. 704.  
Mississippian, Tournaisian (Osagean), Fern Glen Limestone. United States, Missouri
- Platycrinites* s.l. *striatus* Miller, J. S., 1821. Ausich and Kammer, 2009, p. 704.  
*Platycrinus striatus* (Miller, 1821). de Koninck, 1842-1844, p. 44, Pl. F, fig. 3, nos. a-b. Austin and Austin, 1844, p. 37, Pl. 3, figs. 3p-3u. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 152. Bassler and Moodey, 1943, p. 627.  
*Platycrinites striatus* Miller, J. S., 1821, p. 82, Unnum. Pl. Fleming, 1828, p. 496. Bassler and Moodey, 1943, p. 627. Wright, J., 1956b, p. 289, Pl. 66, fig. 2. Webster, 1973, p. 214. Ausich and Sevastopulo, 2001, p. 74, Pl. 8, figs. 16-18.  
*Encrinites striatus* (Miller, 1821). Schlotheim, 1822-1823, p. 97, Pl. 26, figs. 4a-4c. Schlotheim, 1832, p. 24, Pl. 26, figs. 4a-4C. Bronn, 1848, p. 993. Bassler and Moodey, 1943, p. 627.  
*Platycrinus (Cupellecrinus) striatus* (Miller, 1821). Bigsby, 1868, p. 22. Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds and Supradolomite Beds. Ireland; United Kingdom
- Platycrinites* s.l. *subgranulosus* (Roemer, 1850). Ausich and Kammer, 2009, p. 704.  
*Platycrinus subgranulosus* Roemer, F. A., 1850b, p. 23, Pl. 4, fig. 4. Roemer, F. A., 1866b, p. 227. Bassler and Moodey, 1943, p. 627.  
*Platycrinites subgranulosus* (Roemer, 1850). Bassler and Moodey, 1943, p. 627. Ausich and Kammer, 2009, p. 704.  
Devonian, Givetian, *Stringocephalus* Limestone. Germany
- Platycrinites* s.l. *subspinulosus* (Hall, 1859). Ausich and Kammer, 2009, p. 704.  
*Platycrinus subspinulosus* Hall, 1859a, p. 81, Unnum. Fig. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Wachsmuth and Springer, 1897, p. 684, Pls. 66, figs. 2a-2b; 70, fig. 9. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 629.  
*Platycrinites subspinulosus* (Hall, 1859). Bassler and Moodey, 1943, p. 628. Moore and Laudon, 1944, p. 203, Pl. 78, fig. 20. Webster, 1973, p. 214.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Platycrinites* s.l. *testudo* Campbell and Bein, 1971. Ausich and Kammer, 2009, p. 704.  
*Platycrinites testudo* Campbell and Bein, 1971, p. 430, Pl. 51, figs. 10-21. Webster, 1977, p. 139. Webster and Jell, 1999a, p. 260, Fig. 13, nos. A-G.  
*Platycrinus* sp. Etheridge, 1892b, p. 131, Pl. 20, fig. 5. Webster and Jell, 1999a, p. 260.  
*Platycrinites? crokeri* Campbell and Bein, 1971, p. 433, Pl. 49, figs. 9-15. Webster, 1977, p. 137. Webster and Jell, 1999a, p. 260.  
*Platycrinites? sp. 1* Campbell and Bein, 1971, p. 434, Pl. 51, figs. 1-2. Webster, 1977, p. 140. Webster and Jell, 1999a, p. 260.  
Mississippian, Late Tournaisian, Goonoo Goonoo Mudstone; Namoi Formation. Australia, New South Wales

- Platycrinites* s.l. *truncatulus* (Hall, 1858). Ausich and Kammer, 2009, p. 704.  
*Platycrinus truncatulus* Hall, 1858c, p. 538, Fig. 60. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Wachsmuth and Springer, 1897, p. 675, Pls. 67, figs. 11a-11b; 71, figs. 18a-18b. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 628.  
*Platycrinites truncatulus* (Hall, 1858). Bassler and Moodey, 1943, p. 628. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Platycrinites* s.l. *wrighti* (Marez-Oyens, 1940). Ausich and Kammer, 2009, p. 705.  
*Platycrinus wrighti* Marez Oyens, 1940b, p. 254. Bassler and Moodey, 1943, p. 629. Branson, C. C., 1948, p. 208.  
*Platycrinus tuberculatus* Marez Oyens, 1940a, p. 300, Pl. 1, fig. 2. Bassler and *Platycrinites wrighti* (Marez-Oyens, 1940). Bassler and Moodey, 1943, p. 629. Branson, C. C., 1948, p. 208. Bowsher and Strimple, 1986, p. 9, Fig. 37, nos. a-b. Webster, 1987, p. 99, Figs. 3, nos. F-I. Teichert and Webster, 1993, p. 2, Pl. 65, figs. 4-6. Webster, 1993, p. 95. Ausich and Kammer, 2009, p. 705. Moodey, 1943, p. 629. Branson, C. C., 1948, p. 208.  
 Permian, late Sakmarian - early Artinskian, Callytharra Formation. West Timor, Basleo; Australia, Western Australia
- Platycrinites* s.l. *wunstorfi* (Schmidt, 1930). Ausich and Kammer, 2009, p. 704.  
*Platycrinites wunstorfi* (Schmidt, 1930). Bassler and Moodey, 1943, p. 629. Ausich and Kammer, 2009, p. 704.  
*Platycrinus wunstorfi* Schmidt, W. E., 1930, p. 13, Pl. 3, figs. 24a-24b. Bassler and Moodey, 1943, p. 629. Lane, Maples, and Waters, 2001b, p. 243.  
 ?*Platycrinus* sp. indet. 2 Schmidt, 1930. Lane, Maples, and Waters, 2001b, p. 243.  
 ?*Platycrinites* sp. Lane, Maples, and Waters, 2001b, p. 243.  
 Devonian, Famennian, Etroeungt. Germany
- Platycrinites* s.l. *yandelli perasper* (Meek and Worthen, 1865). Ausich and Kammer, 2009, p. 704.  
*Platycrinus perasper* Meek and Worthen, 1865c, p. 161. Shumard, 1868, p. 389. Miller, S. A., 1889, p. 271. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 448. Bassler and Moodey, 1943, p. 629.  
*Platycrinus yandelli* var. *perasper* Meek and Worthen, 1865. Wachsmuth and Springer, 1897, p. 708, Pl. 68, figs. 4a-4b. Weller, S., 1898c, p. 448. Bassler and Moodey, 1943, p. 629.  
*Platycrinites yandelli perasper* (Meek and Worthen, 1865). Bassler and Moodey, 1943, p. 629.  
*Platycrinus nodobrachiatus* Hall, 1861b (*non* Hall, 1858), p. 17. Shumard, 1868, p. 389. Weller, S., 1898c, p. 448. Bassler and Moodey, 1943, p. 629.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Platycrinites* s.l. sp. 1. Webster et al., 2004. Ausich and Kammer, 2009, p. 705.  
*Platycrinites* sp. 1. Webster et al., 2004, p. 35, Pl. 9, figs. 23-24. Ausich and

- Kammer, 2009, p. 705.  
Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria
- Platycrinites* s.l. sp. 2. Webster et al., 2004. Ausich and Kammer, 2009, p. 705.  
*Platycrinites* s.l. sp. 2. Webster et al., 2004, p. 35. Ausich and Kammer, 2009, p. 705.  
Mississippian, Serpukovian, E2, Djenien Formation. Algeria
- Platycrinites* s.l. sp. 3. Webster et al., 2004. Ausich and Kammer, 2009, p. 705.  
*Platycrinites* sp. 3. Webster et al., 2004, p. 35. Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, Bashkirian, Hassi Kerma Formation. Algeria
- Platycrinites* s.l. sp. 5. Webster et al., 2004. Ausich and Kammer, 2009, p. 705.  
*Platycrinites* sp. 5. Webster et al., 2004, p. 36, Pl. 8, figs. 9-10. Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, late Bashkirian, Hassi Kerma Formation. Algeria
- Platycrinites* s.l. spp.
- Platycrinites spinifer elongatus* (Wachsmuth and Springer, 1897) (Termier and Termier, 1950). Ausich and Kammer, 2009, p. 704.  
Mississippian, Viséan. Morocco?
- Platycrinites spinosus* Austin and Austin, 1842 (Termier and Termier, 1950). Ausich and Kammer, 2009, p. 704.  
Mississippian, early Viséan. Morocco?
- Platycrinites* sp. Termier and Termier, 1950. Ausich and Kammer, 2009, p. 704.  
Mississippian, Viséan. Morocco?
- Platycrinites tuberculatus* Miller, 1821 (Termier and Termier, 1950). Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, Westphalian. Morocco?
- Termier, G. and Termier, H., 1950, p. 86, Pl. 227, figs. 1-10 (brachials), figs. 19-25 (radials). Webster, 1973, p. 275. Ausich and Kammer, 2009, p. 705.  
Mississippian, Viséan. Algeria
- Termier, G. and Termier, H., 1950, p. 87, Pls. 215, figs. 10-11; 211, figs. 42-43. Webster, 1973, p. 215. Ausich and Kammer, 2009, p. 705.  
Mississippian, upper Viséan. Morocco
- Termier, G. and Termier, H., 1950, p. 86, Pls. 211, figs. 1-6; 226, figs. 36-38 (typographical error, given as figs. 35-37 on p. 86). Webster, 1973, p. 215. Ausich and Kammer, 2009, p. 705.  
Mississippian, late Viséan, Morocco
- Termier, G. and Termier, H., 1950, p. 87, Pl. 211, figs. 7-10 (radials). Webster, 1973, p. 275. Ausich and Kammer, 2009, p. 705.  
Pennsylvanian, Westphalian. Algeria
- Termier, G. and Termier, H., 1950, p. 236, Pl. 226, figs. 39-41. Webster, 1973, p. 215. Ausich and Kammer, 2009, p. 705.  
Mississippian, upper Viséan. Algeria
- Platycrinites tuberculatus* (Yakovlev in Yakovlev and Ivanov, 1956) (non Miller, 1821). Ausich and Kammer, 2009, p. 705.

Pennsylvanian, C3. Russia  
 Termier, G. and Termier, H., 1950, p. 86, Pl. 226, figs. 42-44 (*non* fig. 41 as given on  
 on p. 86). Ausich and Kammer, 2009, p. 705.  
 Mississippian, early Viséan. Morocco

*Platycrinites* s.l. sp. (microcrinoid) Webster et al., 2011, p. 22, Fig. 6 nos. v-cc.  
 Pennsylvanian,

*Platycrinites* spp.

Webster and Lane, 1987. Ausich and Kammer, 2009, p. 704. **Note:** Probably citing  
*Platycrinites* sp. 1 – 4 Webster and Lane, 1987, p. 36. 37.  
 Mississippian, Viséan (Osagean), Monte Christo Formation, Anchor Limestone.  
 United States, Nevada  
 Greb et al., 2008, p. 17, Fig. 2.  
 Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
 Kentucky

Platycrinid crinoid Miller et al., 2008, p. 267, Fig. 12.11.  
 Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

Platycrinid indet.

Campbell and Bein, 1971, p. 436, Pl. 51, figs. 22-23. Webster, 1977, p. 140.  
 Mississippian, Viséan, Cull, Goonoo Goonoo Formation. Australia, New South  
 Wales  
 Brower, 1970, p. 353. Webster, 1977, p. 140.  
 Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member  
 Mooney Falls Member. United States, Arizona

Platycrinid spp.

Donovan, Lewis, and Tilsley, 2003, p. 254, Fig. 2.  
 Mississippian, Viséan (Brigantian) patch reefs. United Kingdom  
 Lewis, Donovan, and Sawford, 2003, p. 313, Fig. 4, nos. b, e, g.  
 Mississippian, Viséan (Holkerian), Clifton Down Limestone. United Kingdom

cf. Platycrinitidae Hou *et al.*, 1994, p. 5.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

*Platycrinities bozemanensis* Miller and Gurley, 1897 = *Platycrinites bozemanensis*

*Platycrinities canadensis* Laudon and Severson, 1953 = *Platycrinites canadensis*

Platycrinoid Lane *et al.*, 1995 = *\*Chinacrinus xinjiangensis*

PLATYCRINUS of authors = PLATYCRINITES

*Platycrinus aberrans* Whidborne, 1889 = *Hexacrinus? aberrans* = *Hexacrinites aberrans*  
 = *Megaradialocrinus aberrans*

*Platycrinus absentivus* Miller, 1891 = *Platycrinites absentivus* = *Platycrinites* s.l.  
*absentivus*

*Platycrinus acclivus* Miller, 1891 = *Platycrinites acclivus*

*Platycrinus aclivis* Miller, 1890 = *Platycrinites acclivus*

*Platycrinus acutus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943,  
p. 630.

Pennsylvanian. Russia, Moscow Basin

*Platycrinus aequalis* Wachsmuth and Springer, 1897 = *Platycrinites aqualis*

*Platycrinus aequiternus* Miller, 1891 = *Platycrinites aequiternus* = *Platycrinites* s.l.  
*aequiternus*

*Platycrinus aeternalis* Miller, 1891 = *Platycrinites bonoensis* = *P. georgii*

*Platycrinus agassizi* Wachsmuth and Springer, 1897 = *Platycrinites symmetricus* =  
*Elegantocrinus symmetricus*

*Platycrinus alabamensis* Miller, 1891 = *Platycrinites huntsvillae*

*Platycrinus allophylus* Miller, 1891 = *Platycrinites allophylus* = *Pleurocrinus allophylus*

*Platycrinus altidorsatus* Rowley and Hare, 1891 = *Platycrinites altidorsatus* = *Collicrinus*  
*altidorsatus*

*Platycrinus alti-dorsatus* Rowley and Hare, 1891 = *Platycrinites altidorsatus*= *Collicrinus*  
*altidorsatus*

*Platycrinus amabilis* Miller, 1891 = *Platycrinites amabilis* = *Platycrinites* s.l. *amaiblis*

*Platycrinus americanus* Owen and Shumard, 1852 = *Platycrinites americanus*

*Platycrinus anaglypticus* (Goldfuss, 1839) = *Hexacrinites anaglypticus* =  
*Megaradialocrinus anaglypticus*

*Platycrinus?* *anguliferus* Whidborne, 1898 = *Platycrinites anguliferus* = *Platycrinites ?*  
*anguliferus*

cf. *Platycrinus anguliferus* Whidborne; Schmidt, 1930 = Order, family, genus, and  
species uncertain C

*Platycrinus anndixonii* Troost, 1850 = *Lyonocrinus bacca*



- Platycrinus ann-dixonii* Troost, 1850 = *Lyonocrinus bacca*
- Platycrinus annosus* Miller, 1891 = *Platycrinites annosus* = *Platycrinites* s.l. *annosus*
- Platycrinus anosus* Miller, 1890 = *Platycrinites annosus* = *Platycrinites* s.l. *annosus*
- Platycrinus antheliontes* (Austin and Austin, 1842) = *Platycrinites antheliontes*
- Platycrinus anulus* Quenstedt, 1876 = *Platycrinites anulus*
- Platycrinus aqualis* Hall, 1861 = *Platycrinites aqualis*
- Platycrinus arenosus* de Koninck and Le Hon, 1854 = *Platycrinites arenosus* = *Platycrinites* s.l. *arenosus*
- Platycrinus armatus* Münster, 1839 = *Platycrinites armatus*
- Platycrinus asiatica* Minato, 1951 = *Platycrinites asiatica* = *Platycrinites* s.l. *asiatica*
- Platycrinus asper* Meek and Worthen, 1861 = *Platycrinites asper*
- Platycrinus (Pleurocrinus) asper* Meek and Worthen, 1861 = *Platycrinites asper*
- Platycrinus augusta* Slocum, 1907 = *Platycrinites augusta* = *Hagnocrinus augusta*
- Platycrinus austinianus* de Koninck and Le Hon, 1854 = *Platycrinites austinianus*
- Platycrinus* cf. *austinianus* de Koninck and Le Hon, 1854. Schmidt, H., 1933, p. 38, Pl. 5, fig. 6.  
Mississippian, Tournaisian, Tanner Grauwacke. Germany
- Platycrinus balladoolensis* Wright, 1938 = *Platycrinites balladoolensis* = *Pleurocrinus balladoolensis*
- Platycrinus batiola* Miller, 1891 = *Platycrinites aqualis*
- Platycrinus bedfordensis* Hall, 1875 = *Platycrinites bedfordensis*
- Platycrinus bellmanensis* Wright, 1942 = *Platycrinites bellmanensis* = *Pleurocrinus bellmanensis*
- Platycrinus blairi* Miller, 1891 = *Platycrinites blairi* = *Platycrinites* s.l. *blairi*
- Platycrinus bloomfieldensis* Miller, S. A., 1880a, p. 257, Pl. 15, fig. 4. Miller, S. A., 1889, p. 270. Weller, S., 1898c, p. 443. Bassler and Moodey, 1943, p. 625. Ausich and Kammer, 1990, p. 774 (*nomen dubius*). Webster, 1993, p. 96.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Missouri

- Platycrinus bollandensis* Wright, 1938 = *Platycrinites bollandensis* = *Platycrinites* s.l. *bollandensis*
- Platycrinus* sp. (ex gr. *bollandensis*) Wright, 1938 = *Platycrinites* sp. (ex gr. *bollandensis*)
- Platycrinus bonoensis* White, 1878 = *Platycrinites georgii*
- Platycrinus boonvillensis* Miller, 1891 = *Platycrinites georgii*
- Platycrinus bozemanensis* Miller and Gurley, 1897 = *Platycrinites bozemanensis*
- Platycrinus brevinodus* Hall, 1861 = *Platycrinites brevinodus*
- Platycrinus brevis* (Goldfuss, 1839) = *Hexacrinites brevis* = *Megaradialocrinus brevis*
- Platycrinus bridgerensis* Miller and Gurley, 1897 = *Platycrinites bridgerensis*
- Platycrinus brittsi* Miller, 1891 = *Platycrinites brittsi* = *Platycrinites* s.l. *brittsi*
- Platycrinus broadheadi* Miller, 1891 = *Platycrinites americanus*
- Platycrinus buchii* Roemer, 1843 = *Hexacrinites buchii* = *Megardialocrinus buchii*
- Platycrinus* (*Cupellecrinus*) *buchii* Roemer, 1843 = *Hexacrinites buchii* = *Megardialocrinus buchii*
- Platycrinus burlingtonensis* Owen and Shumard, 1850 = *Platycrinites burlingtonensis* = *Platycrinites* s.s. *burlingtonensis*
- Platycrinus caducus* Miller, 1892 = *Platycrinites bonoensis* = *P. georgii*
- Platycrinus calyculus* Hall, 1861 = *Platycrinites calyculus*
- Platycrinus canaliculatus* Hall, 1858 = *Platycrinites canaliculatus*
- Platycrinus carchesium* Miller, 1891 = *Platycrinites pileiformis* = *Platycrinites* s.l. *pileiformis*
- Platycrinus casula* Miller and Gurley, 1895 = *Platycrinites casual* = *Platycrinites* s.s. *casula*
- Platycrinus cavus* Hall, 1858 = *Platycrinites cavus* = *Plemnocrinus cavus*
- Platycrinus chouteauensis* Miller, 1892 = *Platycrinites chouteauensis* = *Platycrinites* s.l. *chouteauensis*

*Platycrinus clinatus* Miller and Gurley, 1895 = *Platycrinites clinatus* = *Platycrinites* s.l. *clinatus*

*Platycrinus clystis* Hall, 1861 = *Platycrinites scobina*

*Platycrinus clytis* Hall, 1861 = *Platycrinites scobina*

*Platycrinus colletti* Miller, 1892 = *Platycrinites colletti* = *Platycrinites* s.l. *collatti*

*Platycrinus concinnulus* Miller and Gurley, 1896 = *Platycrinites concinnulus* = *Platycrinites* s.s. *concinnulus*

*Platycrinus concinnus* Miller, 1891 = *Platycrinites concinnus* = *Paradichocrinus concinnus*

*Platycrinus conglobatus* Wright, 1937 = *Platycrinites conglobatus* = *Platycrinites* s.l. *conglobatus*

*Platycrinus contractus* Gilbertson in Phillips, 1836 = *Platycrinites contractus* = *Platycrinites* s.l. *contractus*

*Platycrinus contritus* Hall, 1863 = *Platycrinites* S.L. *contritus*

*Platycrinus corbuliformis* Rowley and Hare, 1891 = *Platycrinites corbuliformis*

*Platycrinus coronatus* (Goldfuss, 1839) = *Pleurocrinus coronatus*

*Platycrinus corporiculus* Ringuenberg, 1886, p. 12, Pl. 1, fig. 9. Miller, S. A., 1889, p. 270. Bassler, 1915, p. 988. Bassler and Moodey, 1943, p. 618.

*Platycrinites corporiculus* (Ringuenberg, 1886). Bassler and Moodey, 1943, p. 618.

**(Note:** Not a *Platycrinites*, GDW.)

Silurian, Niagaran, Rochester Shale. United States, New York

*Platycrinus corrugatus* Owen and Shumard, 1850 = *Platycrinites discoideus* = *Platycrinites* s.l. *discoideus*

*Platycrinus (Cupellecrinus) corrugatus* Owen and Shumard, 1850 = *Platycrinites discoideus* = *Platycrinites* s.l. *discoideus*

*Platycrinus cortina* Miller and Gurley, 1894 = *Platycrinites cortina*

*Platycrinus crassiconus* Wright, 1937 = *Platycrinites crassiconus*

*Platycrinus cruciatus* Quenstedt, 1876 = *Platycrinites cruciatus* = *Platycrinites* s.l. *cruciatus*

*Platycrinus curryvillensis* Rowley and Hare, 1891 = *Platycrinites curryvillensis*  
*Platycrinites* s.l. *curryvillensis*

*Platycrinus davisii* Wachsmuth and Springer, 1897 = *Platycrinites davisii* = *Platycrinites*  
 s.s. *davisii*

*Platycrinus decagonus* Goldfuss, 1839 = *Storthingocrinus decagonus*

*Platycrinus decoratus* Roemer, 1866 = *Platycrinites decoratus*

*Platycrinus depressus* Goldfuss, 1831 = *Platycrinites depressus* = *Platycrinites* s.l.  
*depressus*

*Platycrinus depressus* Owen, 1843 (*nomen nudum*). Bassler and Moodey, 1943, p.  
 630.  
 Mississippian. United States, Illinois

*Platycrinus devonicus* Rowley, 1903 = *Platycrinites devonicus*

*Platycrinus diadema* M'Coy, 1849 = *Platycrinites diadema* = *Pleurocrinus diadema*

*Platycrinus directus* Wright, 1938 = *Platycrinites directus* = *Pleurocrinus directus*

*Platycrinus discoideus* Owen and Shumard, 1850 = *Platycrinites discoideus* = *Laticrinus*  
*oweni*

*Platycrinus discoideus* Hall, 1858 (*non* Owen and Shumard) = *Eucladocrinus*  
*pleurovimenus*

*Platycrinus dodgei* Rowley, 1908 = *Platycrinites dodgei* = *Platycrinites* s.l. *dodgei*

*Platycrinus douglassi* Miller and Gurley, 1896 = *Dichocrinus douglassi*

*Platycrinus?* *dubius* Weller, 1900 = *Hagnocrinus?* *dubius*

*Platycrinus eboraceus* Hall, 1862 = *Arthroacantha eboraceus*

*Platycrinus eboraceus* Hall, 1872 (*in error*) = *Cyttarocrinus?* *jewetti*

*Platycrinus echinatus* Sandberger, 1845 = *Platycrinites echinatus*

*Platycrinus elegans* Hall, 1861 = *Platycrinites elegans*

*Platycrinus ellipticus* Phillips, 1836 = *Pleurocrinus ellipticus*

*Platycrinus elongatus* Gilbertson 1836 = *Dichocrinus elongatus*

- Platycrinus elongatus* (Goldfuss, 1839) = *Hexacrinites elongatus*
- Platycrinus eminulus* Hall, 1861 = *Platycrinites eminulus* = *Platycrinites* s.l. *eminulus*
- Platycrinus eriensis* Hall, 1862 = *Cyttarocrinus eriensis*
- Platycrinus excavatus* Hall, 1861 = *Platycrinites excavatus* = *Platycrinites* s.l. *excavatus*
- Platycrinus exertus* Hall, 1858 = *Platycrinites burlingtonensis* = *Platycrinites* s.s. *burlingtonensis*
- Platycrinus expansus* M'Coy, 1844 = *Platycrinites expansus* = *Platycrinites* s.l. *expansus*
- Platycrinus* cf. *expansus* M'Coy, 1844 = *Platycrinites expansus* = *Pleurocrinus* sp.
- Platycrinus exsculptus* Goldfuss, 1839 = *Hexacrinites exsculptus* = *Megaradialocrinus exsculptus*
- Platycrinus exsertus* Hall, 1858 = *Platycrinites burlingtonensis* = *Platycrinites* s.s. *burlingtonensis*
- Platycrinus faberi* Miller, 1889 = *Platycrinites faberi* = *Platycrinites* s.l. *faberi*
- Platycrinus formosus* Miller and Gurley, 1895 = *Platycrinites formosus* = *Collicrinus formosus*
- Platycrinus formosus* var. *approximatus* Miller and Gurley, 1896 = *Platycrinites formosus approximatus* = *Collicrinus formosus*
- Platycrinus fritillus* Müller, 1855 = *Storthingocrinus fritillus*
- Platycrinus geometricus* Wachsmuth and Springer, 1897 = *Platycrinites geometricus*
- Platycrinus georgii* Hall, 1859 = *Platycrinites georgii*
- Platycrinus germanus* Miller and Gurley, 1895 = *Platycrinites germanus* = *Platycrinites* s.l. *germanus*
- Platycrinus gigus* Gilbertson in Phillips, 1836 = *Platycrinites gigus* = *Platycrinites* s.s. *gigus*
- Platycrinus gigus* Austin and Austin, 1843 (*non* Gilbertson, 1836) = *Platycrinites patulus*
- Platycrinus glyptus* Hall, 1861 = *Platycrinites glyptus*
- Platycrinus goldfussi* Münster, 1839 = *Platycrinites goldfussi*

- Platycrinus gorbyi* Miller, 1891 = *Platycrinites gorbyi* = *Plemnocrinus gorbyi*
- Platycrinus granifer* Roemer, 1852 = *Hexacrinites granifer*
- Platycrinus granosus* de Koninck and Le Hon, 1854 = *Platycrinites granosus* = *Elegantocrinus granosus*
- Platycrinus granosus* Ivanov, 1926 (*non* de Koninck and Le Hon, 1854), p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 630. Pennsylvanian. Russia, Moscow Basin
- Platycrinus granulatus* (Miller, 1821) = *Platycrinites granulatus* = *Platycrinites s.l. granulatus*
- Platycrinus granulatus* de Witry, 1780 (*non* Miller, 1821), p. 13. de Koninck, 1842-1844, p. 43, Pl. F, fig. 2, nos. a-b. Mississippian, Tournaisian. Belgium; United Kingdom
- Platycrinus granuliferus* Roemer, 1843 = *Hexacrinites granuliferus* = *Megaradialocrinus granuliferus*
- Platycrinus granulosis* (Miller, 1821) = *Platycrinites granulatus* = *Platycrinites s.l. granulatus*
- Platycrinus graphicus* Hall, 1865 = *Platycrinites graphicus*
- Platycrinus guttifer* Schmidt, 1930 = *Platycrinites guttifer* = *Platycrinites s.l. guttifer*
- Platycrinus halli* Shumard, 1866 = *Platycrinites halli* = *Elegantocrinus halli*
- Platycrinus haydeni* (Meek, 1873) = *Platycrinites haydeni*
- Platycrinus hemisphaericus* Meek and Worthen, 1865 = *Platycrinites hemisphaericus* = *Elegantocrinus hemisphaericus*
- Platycrinus hemisphericus* Meek and Worthen, 1865 = *Platycrinites hemisphaericus hemisphaericus* = *Elegantocrinus hemisphaericus*
- Platycrinus hieroglyphicus* Goldfuss, 1839 = *Platycrinites hieroglyphicus* = *Megaradialocrinus hieroglyphicus*
- Platycrinus hieroglyphicus* Goldfuss, 1838 (part) = *Hexacrinites aff. Hexacrinites marginata* = *Megaradialocrinus hieroglyphicus*
- Platycrinus hodgsoni* Miller and Gurley, 1896 = *Platycrinites hodgsoni* = *Platycrinites s.l. hodgsoni*

*Platycrinus humilis* Wright, 1938 = *Platycrinites humilis* = *Platycrinites* s.l. *humilis*

*Platycrinus huntsvillae* (Troost, 1850) = *Platycrinites huntsvillae*

*Platycrinus illinoisensis* Miller and Gurley, 1896 = *Platycrinites illinoisensis* =  
*Platycrinites* s.l. *illinoisensis*

*Platycrinus incomptus* White, 1863 = *Platycrinites incomptus* = *Eucladocrius incomptus*

*Platycrinus (Cupellecrinus) inflatus* (Troost, 1850) = *Marsupiocrinus (Amarsupiocrinus)*  
*inflatus*

*Platycrinus inornatus* McChesney, 1860 = *Platycrinites burlingtonensis* = *Platycrinites*  
s.s. *burlingtonensis*

*Platycrinus insculptus* (Troost, 1849) = *Platycrinites insculptus*

*Platycrinus insolens* Rowley and Hare, 1891 = *Platycrinites insolens* = *Platycrinites* s.l.  
*insolens*

*Platycrinus insularis* Eichwald, 1860 = *Dichocrinus insularis*

*Platycrinus interscapularis* Phillips, 1841 = *Hexacrinites interscapularis*

*Platycrinus inurbanus* Breimer, 1962 = *Pleurocrinus inurbanus*

*Platycrinus inverteielensis* Wright, 1942 = *Platycrinites? inverteielensis* = *Platycrinites* s.l.  
*inverteielensis*

*Platycrinus laciniatus* Gilbertson in Phillips, 1836 = *Platycrinites laciniatus* =  
*Platycrinites* s.l. *laciniatus*

*Platycrinus laevis* (Miller, 1821) = \**Platycrinites laevis* = *Platycrinites* s.s. *laevis*

*Platycrinus laevis?* (Miller, 1821). de Koninck, 1877, p. 160, Pl. 6, figs. 6-6a (basal  
plate) (**Note:** Not a *Platycrinites*, GDW)  
Mississippian?. Australia, Glen William; Hunter River, Rouchel River, Paterson River

*Platycrinus laevis* Phillips, 1836 (part) = *Pleurocrinus coronatus*

*Platycrinus (Cupellecrinus) laevis* (Miller, 1821) = \**Platycrinites laevis* = *Platycrinites*  
s.s. *laevis*

*Platycrinus lautus* Miller, 1891 = *Platycrinites burlingtonensis* = *Platycrinites* s.s.  
*burlingtonensis*

- Platycrinus leai* Lyon, 1869 = *Hexacrinites leai* = *Megaradialocrinus leai*
- Platycrinus lodensis* Hall and Whitfield, 1875 = *Platycrinites* s.l. *lodensis*
- Platycrinus lodiensis* Hall and Whitfield, 1875 = *Platycrinites lodensis*
- Platycrinus lommanus* Maillieux, 1938, p. 28, Pl. 1, figs. 1-1a; Fig. 1.  
Devonian, Eifelian (Couvinian). Belgium
- Platycrinus (Cupellecrinus) magnificus* (Troost, 1850) = *Marsupiocrinus*  
(*Amarsupiocrinus*) *magnificus*
- Platycrinus marginatus* Rowley and Hare, 1891 = *Platycrinites marginatus*
- Platycrinus megastylus* M'Coy, 1849 = *Platycrinites megastylus* = *Pleurocrinus*  
*megastylus*
- Platycrinus microbasalis* Quenstedt, 1876 = *Platycrinites microbasalis*
- Platycrinus microstylus* Phillips, 1836, p. 204. Müller, 1841, p. Pl. 6, figs. 2a-2d. Bronn,  
1848, p. 993. Bassler and Moodey, 1943, p. 631.  
Mississippian, Tournaisian?, Mountain Limestone. United Kingdom
- Platycrinus (Eucladocrinus) millebrachiatus* (Wachsmuth and Springer, 1878).  
Wachsmuth and Springer, 1881 = *Eucladocrinus millebrachiatus*
- Platycrinus minutus* Steininger, 1853 = *Platycrinites minutus*
- Platycrinus missouriensis* Miller and Gurley, 1895 = *Platycrinites chouteauensis* =  
*Platycrinites* s.l. *chouteauensis*
- Platycrinus modestus* Miller and Gurley, 1895 = *Platycrinites modestus*
- Platycrinus monroensis* Worthen, 1882 = *Platycrinites sarae* = *P. pumilus*
- Platycrinus montanensis* Meek, 1872 = \**Eucladocrinus montanaensis*
- Platycrinus mucronatus* (Austin, 1842) = \**Pleurocrinus mucronatus*
- Platycrinus multibrachiatus* Meek and Worthen 1861 = *Platycrinites discoideus* =  
*Platycrinites* s.l. *discoideus*
- Platycrinus multi-brachiatus* Meek and Worthen 1861 = *Platycrinites discoideus* =  
*Platycrinites* s.l. *discoideus*
- Platycrinus niotensis* Meek and Worthen, 1865 (part) = *Platycrinites niotensis*



*Platycrinus nodobrachiatus* Hall, 1858 = *Platycrinites burlingtonensis* = *Platycrinites* s.s. *burlingtonensis*

*Platycrinus nodobrachiatus* Hall, 1861 = *Platycrinites yandelli perasper* = *Platycrinites* s.l. *yandelli perasper*

*Platycrinus nodostriatus* Wachsmuth and Springer, 1897 = *Platycrinites nodostriatus* = *Elegantocrinus nodostriatus*

*Platycrinus nodo-striatus* Wachsmuth and Springer, 1897 = *Platycrinites nodostriatus* = *Elegantocrinus nodostriatus*

*Platycrinus nodosus* Müller, 1854 = *Culicocrinus nodosus*

*Platycrinus nodosus* var. *confluentina* Müller, 1854 = *Culicocrinus nodosus confluentina*

*Platycrinus nodulosus* Hall, 1858 = *Platycrinites ornigranulus*

*Platycrinus nucleiformis* Hall, 1858 = *Platycrinites burlingtonensis* = *Platycrinites* s.s. *burlingtonensis*

*Platycrinus?* *nux* Etheridge, 1892 = *Platycrinites nux* = *Platycrinites* s.l. *nux*

*Platycrinus nux* Etheridge, 1892 = *Platycrinites nux?* = *Platycrinites* s.l. *nux*

*Platycrinus occidentalis* Miller, 1891 = *Platycrinites occidentalis* = *Plemnocrinus occidentalis*

*Platycrinus olla* de Koninck and Le Hon, 1854 = *Platycrinites olla*

*Platycrinus olla* Hall, 1861 (*non* de Koninck and Le Hon, 1854) = *Platycrinites halli* = *Elegantocrinus halli*

*Platycrinus ollicula* Miller, 1891 = *Platycrinites ollicula* = *Platycrinites* s.l. *ollicula*

*Platycrinus ornatus* (Goldfuss, 1839) = *Hexacrinites ornatus* = *Megaradialocrinus ornatus*

*Platycrinus ornatus* M'Coy, 1844 = *Platycrinites ornatus*

*Platycrinus ornatus* de Koninck and Le Hon, 1854 (*non* M'Coy, 1844) part = *Dichocrinus fusiformis*

*Platycrinus ornatus* de Koninck and Le Hon, 1854 (*non* M'Coy, 1844) part = *Platycrinites* sp.

*Platycrinus ornigranulus* McChesney, 1860 = *Platycrinites ornogranulus*

*Platycrinus ornogranulus* McChesney, 1860 = *Platycrinites ornogranulus*

*Platycrinus oweni* Meek and Worthen, 1861 = *Platycrinites regalis*

*Platycrinus paradoxus* (Eichwald, 1856). Jaekel, 1897, p. 48. Bassler and Moodey, 1943, p. 631.

*Palaeochinus paradoxus* Eichwald, 1856, p. 127. Bassler and Moodey, 1943, p. 631.

Pennsylvanian, Moscovian. Russia, Moscow Basin

*Platycrinus parvinodus* Hall, 1861 = *Platycrinites parvinodus* = *Platycrinites* s.l. *parvinodus*

*Platycrinus parvulus* Meek and Worthen 1865 = *Platycrinites parvulus* = *Dichocrinus huntsvillae* = *Dichocrinus parvulus*

*Platycrinus parvus* Hall, 1859 = *Clematocrinus plumosus* = *Cordylocrinus plumosus*

*Platycrinus patulus* Wright, 1956 = *Pleurocrinus patulus*

*Platycrinus pectens* Salter, 1873, p. 122. Bassler and Moodey, 1943, p. 631. (**Note:** Not a *Platycrinites*, GDW.)

Silurian, Wenlock Limestone. United Kingdom

*Platycrinus peculiaris* Wachsmuth and Springer, 1897 = *Platycrinites peculiaris* = *Platycrinites* s.s. *peculiaris*

*Platycrinus pendens* Springer, 1926 = *Platycrinites pendens* = *Artaocrinus pendens*

*Platycrinus penicillus* Meek and Worthen 1860 = *Platycrinites huntsvillae*

*Platycrinus* (*Cupellecrinus*) *pentagonalis* Bigsbey, 1868 = *Platycrinites nietense*

*Platycrinus pentagonus* Miller, 1891 = *Platycrinites niotensis*

*Platycrinus pentangularis* Miller, 1821 = *Dimorphocrinus pentangularis*

*Platycrinus perasper* Meek and Worthen, 1865 = *Platycrinites yandelli perasper* = *Platycrinites* s.l. *yandelli perasper*

*Platycrinus permiensis* Yakovlev in Yakovlev and Ivanov, 1956 = *Platycrinites permiensis*

*Platycrinus pettisensis* Miller and Gurley, 1895 = *Platycrinites absentivus* = *Platycrinites* s.l. *absentivus*

*Platycrinus phillipsii* d'Orbigny, 1844 = *Platycrinites phillipsii* = *Platycrinites* s.l. *phillipsii*

*Platycrinus pileatus* (Goldfuss, 1839) = *Platycrinites pileatus* = *Pleurocrinus pileatus*

*Platycrinus? pileatus* (Goldfuss, 1839) = *Platycrinites pileatus* = *Pleurocrinus pileatus*

?*Platycrinus pileatus* (Goldfuss); Reed, 1892 = *Pleurocrinus pileatus*

*Platycrinus pileiformis* Hall, 1858 = *Platycrinites pileiformis* = *Platycrinites* s.l. *pileiformis*

*Platycrinus pisum* Rowley and Hare, 1891 = *Platycrinites pisum* = *Platycrinites* s.s.  
*pisum*

*Platycrinus planobasalis* Rowley and Hare, 1891 = *Platycrinites quinquenodus* =  
*Pleurocrinus quinquenodus*

*Platycrinus plano-basalis* Rowley and Hare, 1891 = *Platycrinites quinquenodus* =  
*Pleurocrinus quinquenodus*

*Platycrinus planolateratus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and  
Moodey, 1943, p. 631.  
Pennsylvanian. Russia, Moscow Basin

*Platycrinus planus* Austin and Austin, 1845 = *Cyathocrinites planus*

*Platycrinus planus?* Hall, 1858 (*non* Owen and Shumard) = *Platycrinites halli* =  
*Elegantocrinus halli*

*Platycrinus planus* Owen and Shumard, 1851 (part) = *Platycrinites planus* =  
*Platycrinites* s.l. *planus*

*Platycrinus planus* Owen and Shumard, 1851 (part) = *Platycrinites pratteni*

*Platycrinus planus?* Wachsmuth and Springer, 1890 = *Platycrinites symmetricus* =  
*Elegantocrinus symmetricus*

*Platycrinus plenus* Meek and Worthen, 1860 = *Platycrinites huntsvillae*

*Platycrinus pleuroviminus* White, 1862 = *Eucladocrinus pleuroviminus*

*Platycrinus pleurovimenus* White, C. A., 1862 = *Eucladocrinus pleuroviminus*

*Platycrinus plumosus* Hall, 1859 = *Clematocrinus plumosus* = *Cordylocrinus plumosus*

*Platycrinus pocilliformis* Hall, 1858 = *Platycrinites pocilliformis* = *Platycrinites* s.l.  
*pocilliformis*

*Platycrinus poculum* Miller, 1881 = *Platycrinites poculum* = *Platycrinites* s.l. *poculum*

*Platycrinus polydactylus* Troost, 1850 = *Platycrinites huntsvillae*

*Platycrinus praematurus* Hall and Whitfield, 1875 = *Marsupiocrinus praematurus* = *M.*  
(*Amarsupiocrinus*) *praematurus*

*Platycrinus praenuntius* Wachsmuth and Springer, 1878 = *Eucladocrinus praenuntius*

*Platycrinus prattenanus* Meek and Worthen, 1860 = *Platycrinites sarae* = *Platycrinites*  
*pumilus*

*Platycrinus pratteni* Worthen, 1881 = *Platycrinites pratteni*

*Platycrinus prattenianus* Meek and Worthen, 1860 = *Platycrinites pumilus*

*Platycrinus pulcellus* Miller, 1891 = *Platycrinites discoideus* = *Platycrinites* s.l.  
*discoideus*

*Platycrinus pumilus* Hall, 1859 = *Platycrinites pumilus*

*Platycrinus punctatus* Münster, 1839, p. 5. Bassler and Moodey, 1943, p. 632.  
Mississippian, Tournaisian. Belgium

*Platycrinus punctatus* M'Coy, 1844 (*non* Münster, 1839) = *Platycrinites punctatus* =  
*Platycrinites* s.l. *punctatus*

*Platycrinus?* *punctobrachiatus* Hall, 1872 = *Arthroacantha punctobrachiatus*

*Platycrinus quenquenodus* White, 1862 = *Platycrinites quinquenodus* = *Pleurocrinus*  
*quinquenodus*

*Platycrinus quinquenodus* White, 1862 = *Platycrinites quinquenodus* = *Pleurocrinus*  
*quinquenodus*

*Platycrinus ramulosus* Hall, 1859 = *Cordylocrinus ramulosus*

*Platycrinus regalis* Hall, 1861 = *Platycrinites regalis*

*Platycrinus retiarius* Phillips, 1859 = *Clematocrinus retiarius*

*Platycrinus* (*Actinocrinus*) *retiarius* Phillips, 1859 = *Hapalocrinus retiarius* =  
*Clematocrinus retiarius*

*Platycrinus richfieldensis* Hall and Whitfield, 1875 = *Platycrinites graphicus*

*Platycrinus rosaceus* Roemer, 1844 = *Amblacrinus rosaceus*

*Platycrinus (Cupellecrinus) roaseformis* Bigsby, 1868 = \**Amblacrinus rosaceus*

*Platycrinus rotundus* Miller, 1891 = *Platycrinites sculptus*

*Platycrinus rugosus* (Miller, 1821) = *Platycrinites rugosus*

*Platycrinus rugosus* Ivanov, 1926 (*non* Miller, 1821), p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 632.  
Carboniferous. Russia, Moscow Basin

*Platycrinus saffordi* (Troost, MS) Hall, 1858 = *Platycrinites saffordi* = *Elegantocrinus saffordi*

*Platycrinus sampsoni* Miller, 1891 = *Platycrinites sampsoni*

*Platycrinus sarae* Hall, 1858 = *Platycrinites sarae*

*Platycrinus schmidtii* Stuckenberg, 1875 = ?*Dichocrinus schmidtii* = ?*Dichocrinus expansus*

*Platycrinus scobina* Meek and Worthen, 1861 = *Platycrinites scobina*

*Platycrinus sculptus* Hall, 1858 = *Platycrinites sculptus*

*Platycrinus semifusus* Miller and Gurley, 1895 = *Platycrinites semifusus*

*Platycrinus sharonensis* Miller and Gurley, 1895 = *Platycrinites sharonensis*

*Platycrinus shumardianus* Hall, 1858 = *Platycrinites discoideus* = *Platycrinites* s.l. *discoideus*

*Platycrinus siluricus* Hall, 1879c, p. 9. Hall, 1882a, p.65. Hall, 1882b, p. 256, Pl. 15, fig. 15. Miller, S. A., 1889, p. 272. Lesley, 1889, p. 690, Fig. 15. Bassler, 1915, p. 988. Bassler and Moodey, 1943, p. 626. (**Note:** Not a *Platycrinites* GDW)  
*Platycrinites siluricus* (Hall, 1879). Bassler and Moodey, 1943, p. 626.  
Silurian, Niagaran, Waldron Shale. United States, Indiana

*Platycrinus similis* M'Coy, 1844 = *Platycrinites similis*

*Platycrinus spinifer* Wachsmuth and Springer, 1897 = *Platycrinites spinifer* = *Platycrinites* s.l. *spinifer*

*Platycrinus spinifer elongatus* Termier and Termir, 1950 = *Platycrinites aouidjaensis*

*Platycrinus spinifer* var. *elongatus* Wachsmuth and Springer, 1897 = *Platycrinites spinifer elongatus* = *Platycrinites* s.l. *spinifer elongatus*

*Platycrinus spiniger* Wright, 1937 = *Platycrinites spiniger*

*Platycrinus spinosus* (Austin and Austin, 1842) = *Platycrinites spinosus* = *Platycrinites*  
s.s. *laevis*

*Platycrinus spitzbergensis* Holtedahl, 1911 = *Platycrinites spitzbergensis* = *Platycrinites*  
s.l. *spitzbergensis*

*Platycrinus springeri* Weller, 1909 = *Platycrinites springeri* = *Elegantocrinus springeri*

*Platycrinus stellaris* Roemer, 1851 = *Hexacrinites stellaris*

*Platycrinus stellatus* Weller, 1909 = *Platycrinites stellatus* = *Platycrinites* s.l. *stellifer*

*Platycrinus striatus* (Miller, 1821) = *Platycrinites striatus* = *Platycrinites* s.l. *striatus*

*Platycrinus* (*Cupellecrinus*) *striatus* (Miller, 1821) = *Platycrinites striatus* = *Platycrinites*  
s.l. *striatus*

*Platycrinus striobrachiatus* Hall, 1861 = *Platycrinites discoideus* = *Platycrinites* s.l.  
*discoideus*

*Platycrinus subgranulosus* Roemer, 1850 = *Platycrinites subgranulosus* = *Platycrinites*  
s.l. *subgranulosus*

*Platycrinus subscitulus* Miller and Gurley, 1896 = *Platycrinites subscitulus* = *Collicrinus*  
*subscitulus*

*Platycrinus subspinosus* Hall, 1858 = *Platycrinites* (*Pleurocrinus*) *subspinosus* =  
*Platycrinites subspinosus* = *Plemnocrinus subspinosus*

*Platycrinus* (*Pleurocrinus*) *subspinosus* Hall, 1858 = *Platycrinites* (*Pleurocrinus*)  
*subspinosus* = *Plemnocrinus subspinosus*

*Platycrinus subspinulosus* Hall, 1859 = *Platycrinites subspinulosus* = *Platycrinites* s.l.  
*subspinulosus*

*Platycrinus sulcatus* Miller, 1891 = *Platycrinites excavatus* = *Platycrinites* s.l. *excavatus*

*Platycrinus sulciferus* Miller and Gurley, 1895 = *Platycrinites sulciferus* = *Platycrinites*  
s.l. *sulciferus*

*Platycrinus sulciferus* Miller and Gurley, 1895 (part) = *Plemnocrinus sulciferus*

*Platycrinus symmetricus* Wachsmuth and Springer, 1888 = *Platycrinites symmetricus* =  
*Elegantocrinus symmetricus*

- Platycrinus tabulatus* (Goldfuss, 1839) = \**Stylocrinus tabulatus*
- Platycrinus tennesseeensis* Roemer, 1860 = *Marsupiocrinus tennesseeensis* =  
*Marsipocrinus tennesseeensis* = *Marsupiocrinus (Amarsupiocrinus) tennesseeensis*
- Platycrinus (Cupellaecrinus) tennesseeensis* Roemer, 1860 = *Marsupiocrinus tennesseeensis* = *Marsupiocrinus (Amarsupiocrinus) tennesseeensis*
- Platycrinus tennessee-ensis* Roemer, 1860 = *Marsupiocrinus (Amarsupiocrinus) tennesseeensis*
- Platycrinus tentaculatus* Hall, 1859 = *Marsupiocrinus tentaculatus* = *Marsipocrinus tentaculatus* = *Marsupiocrinus (Amarsupiocrinus) tentaculatus*
- Platycrinus tenuibrachiatus* (Meek and Worthen, 1870) = *Platycrinites tenuibrachiatus*
- Platycrinus triacontadactylus* M'Coy, 1844 = *Platycrinites triacontadactylus* =  
*Platycrinites s.s. laevis*
- Platycrinus (Storthingocrinus) trifidus* Schultze, 1866 = *Storthingocrinus trifidus*
- Platycrinus trigintidactylus* (Austin and Austin, 1843) part = *Platycrinites trigintidactylus* =  
*Platycrinites s.s. laevis*
- Platycrinus trigintidactylus* (Austin and Austin, 1843) part = *Platycrinites austinianus*
- Platycrinus truncatulus* Hall, 1858 = *Platycrinites truncatulus* = *Platycrinites s.l. truncatulus*
- Platycrinus truncatus* Hall, 1858 = *Platycrinites americanus*
- Platycrinus tuberculatus* (Miller, 1821) = *Pleurocrinus tuberculatus*
- Platycrinus tuberculatus?* Phillips, 1841 (*non* Miller, 1821) = *Platycrinites phillipsi* =  
*Platycrinites s.l. phillipsi*
- Platycrinus tuberculatus* Marez Oyens, 1940 = *Platycrinites wrighti* = *Platycrinites s.l. wrighti*
- Platycrinus tuberculatus* Miller; Termier and Termir, 1950 = *Platycrinites s.l. spp.*
- Platycrinus (?) tuberculatus* Yakovlev *in* Yakovlev and Ivanov, 1956 (part) =  
*Platycrinites sp.* = *Platycrinites s.l. spp.*
- Platycrinus tuberosus* Hall, 1858 = *Eucladocrinus tuberosus* = *Plemnocrinus tuberosus*

- Platycrinus turgurium* Miller and Gurley, 1895 = *Platycrinites turgurium* = *Collicrinus?*  
*turgurium*
- Platycrinus vascellum* Miller and Gurley, 1895 = *Platycrinites vascellum* = *Platycrinites*  
s.s. *vascellum*
- Platycrinus ventricosus* Goldfuss, 1831 = *Hexacrinites ventricosus* = *Megaradialocrinus*  
*ventricosus*
- Platycrinus ventricosus* Müller, 1841, p. Pl. 6, figs. 1a-1c (*non* Goldfuss, 1831). (A  
*Platycrinites*, but not *P. ventricosus* Goldfuss, 1831, GDW)  
Mississippian, Viséan. United Kingdom, Scotland
- Platycrinus verrucosus* White, 1865 = *Platycrinites verrucosus* = *Platycrinites* s.s.  
*verrucosus*
- Platycrinus vesiculosus* M'Coy, 1849 = *Platycrinites vesiculosus* = *Pleurocrinus*  
*vesiculosus*
- Platycrinus vexabilis* White, 1874 = *Platycrinites vexabilis*
- Platycrinus vulgaris* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943,  
p. 632.  
Carboniferous. Russia, Moscow Basin
- Platycrinus wachsmuthi* Wanner, 1916 (part) = *Platycrinites wachsmuthi* = *Pleurocrinus*  
*wachsmuthi* = *Platycrinites* s.s. *wachsmuthi*
- Platycrinus wachsmuthi* Wanner, 1924 (part) = *Platycrinites wachsmuthi* = *Pleurocrinus*  
*wachsmuthi frequentior* = *Platycrinites* s.s. *wachsmuthi frequentior*
- Platycrinus wachsmuthi apnaensis* Wanner, 1937 = *Platycrinites wachsmuthi apnaensis*  
= *Pleurocrinus wachsmuthi apnaensis* = *Platycrinites* s.s. *wachsmuthi apnaensis*
- Platycrinus wachsmuthi* Form 5 Wanner, 1916 = *Platycrinites wachsmuthi apnaensis* =  
*Pleurocrinus wachsmuthi apnaensis* = *Platycrinites* s.s. *wachsmuthi apnaensis*
- Platycrinus wachsmuthi* Forms 2, 3, 4 Wanner, 1916 = *Platycrinites wachsmuthi*  
*frequentior* = *Pleurocrinus wachsmuthi frequentior* = *Platycrinites* s.s. *wachsmuthi*  
*frequentior*
- Platycrinus wachsmuthi frequentior* Wanner, 1937 = *Platycrinites wachsmuthi*  
*frequentior* = *Pleurocrinus wachsmuthi frequentior* = *Platycrinites* s.s. *wachsmuthi*  
*frequentior*
- Platycrinus westheadi* Wright, 1942 = *Platycrinites westheadi* = *Elegantocrinus*  
*westheadi*



*Platycrinus wortheni* Hall, 1858 = *Platycrinites wortheni*

*Platycrinus wrighti* Marez Oyens, 1940 = *Platycrinites wrighti* = *Platycrinites* s.l. *wrighti*

*Platycrinus wunstorfi* Schmidt, 1930 = *Platycrinites wunstorfi* = ?*Platycrinites* sp. =  
*Platycrinites* s.l. *wunstorfi*

*Platycrinus yandelli* Owen and Shumard, 1850 (part) = *Platycrinites yandelli* = *Laticrinus wachsmuthi*

*Platycrinus yandelli* var. *perasper* Wachsmuth and Springer, 1897 = *Platycrinites yandelli perasper* = *Platycrinites* s.l. *yandelli perasper*

*Platycrinus* sp. 1 Wright, 1920 = *Platycrinites* sp. 1

*Platycrinus* sp. 2 Wright, 1920 = *Platycrinites* sp. 2

*Platycrinus* sp. 3 Wright, 1920 = *Platycrinites* sp. 3

*Platycrinus* sp. authors = *Platycrinites* sp.

*Platycrinus* sp. Etheridge, 1892 = *Platycrinites testudo*

*Platycrinus* sp. indet. 1 Schmidt, 1930 = *Adelocrinus hystrix*

*Platycrinus* sp. indet. 2 Schmidt, 1930 = ?*Platycrinites* sp.

*Platycrinus* sp. undet. Branson, 1944 = *Platycrinites* sp. undet.

**PLATYFUNDOCRINUS** Knapp, 1969. \**P. typus* Knapp, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 370, Fig. 2. Webster, 1977, p. 140. Moore and Strimple *in* Moore and Teichert, 1978, p. T730. Webster, 1986, p. 256.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Atokan species

Pennsylvanian, Atokan. United States, Missouri, Oklahoma

\**Platyfundocrinus typus* Knapp, 1969, p. 371, Pl. 62, figs. 24-26; Fig. 28. Strimple, 1975e, p. 21, Fig. 13, nos. 4-6. Webster, 1977, p. 140. Moore and Strimple *in* Moore and Teichert, 1978, p. T730, Fig. 482, no. 4. Webster, 1986, p. 256. Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

*Platyfundocrinus webbersensis* Strimple, 1975e, p. 21, Fig. 13, nos. 1-3. Webster, 1986, p. 256.

Pennsylvanian, Atokan, Atoka Formation, Webbers Falls Shale Member. United States, Oklahoma

**PLATYHEXACRINUS** Schmidt, 1913. \**P. inornatus* Schmidt, 1913.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae

Schmidt, W. E., 1913, p. 301. Schmidt, W. E., 1915, p. 119. Schmidt, W. E., 1932, p.

26. Bassler, 1938, p. 154. Bassler and Moodey, 1943, p. 632. Ubaghs, 1953, p. 740. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 216. Ubaghs *in* Moore and Teichert, 1978, p. T475. Webster, 1986, p. 256. Webster, 1988, p. 135.

Named, currently recognized species based on cups or crowns: 6 Devonian species, 1 ?Emsian, 1 Emsian – Eifelian, 4 Eifelian, *cultijugatus* Biozone Devonian, Emsian - Eifelian. Europe; Russia

*Platyhexacrinus grandis* Schmidt, W. E., 1942, p. 48, Fig. 8, no. A. Webster, 1973, p. 216.

Devonian, Eifelian, *Cultrijugatus* Biozone. Germany

*Platyhexacrinus gurievskiensis* Dubatolova, 1964, p. 43, Pl. 5, fig. 6. Webster, 1973, p. 216.

Early Devonian, ?Emsian. Russia, Kuznetz Basin

\**Platyhexacrinus inornatus* Schmidt, W. E., 1913, p. 304, Pl. 22, figs. 2-5. Schmidt, W. E., 1931, p. 27. Bassler, 1938, p. 154. Schmidt, W. E., 1942, p. 47, Fig. 8, no. B. Bassler and Moodey, 1943, p. 632. Webster, 1973, p. 216. Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 279, no. 3. Le Menn, 1985, p. 62, Pl. 10, fig. 7. Webster, 1986, p. 256. Webster, 1988, p. 135.

Devonian, late Emsian - Eifelian, *Orthocrinus* Beds, Verveur Formation. Germany; France, Armorican Massif

*Platyhexacrinus kegele* Schmidt, W. E., 1931, p. 27, Pl. 4, figs. 2-3. Bassler and Moodey, 1943, p. 633. Schmidt, 1952, p. 159, Pl. 9, figs. 2-3. Breimer, 1962a, p. 84. Webster, 1973, p. 216. Hauser *in* Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 12.

Devonian, Eifelian, *cultijugatus* Biozone. Spain

*Platyhexacrinus ornatus* Schmidt, W. E., 1913, p. 303, Pl. 22, figs. 6-7. Bassler and Moodey, 1943, p. 633.

*Arthroacantha? ornata* Schmidt, W. E., 1915, p. 121, Fig. 1. Schmidt, W. E., 1942, p.

52, Fig. 10. Bassler and Moodey, 1943, p. 633. Webster, 1973, p. 58.

*Arthroacantha ornata* Schmidt, 1914. Hauser, 2003, p. 16, Fig. 12.

Devonian, Eifelian, *Orthocrinus* Beds. Germany

*Platyhexacrinus? pisum* Schmidt, W. E., 1942, p. 49, Pl. 16, fig. 8. Webster, 1973, p. 216.

Devonian, Eifelian, *cultijugatus* Biozone. Spain

*Platyhexacrinus* spp. Hauser, 2001, Pl. 28, fig. 2-2a.

Devonian, Eifelian/Givetian, Boundarybeds Ahbach-Loogh Formations. Germany

?*Platyhexacrinus* sp. Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 6.

Devonian, early Eifelian, Moniello Formation. Spain

?*Platyhexacrinus* sp. Hauser, 2008, p. 45, Pl. 1, fig. 11.

Devonian, Eifelian. Germany

*Platyhexacrinus* sp. indet. Hauser, 2001, Pls. 15, fig. 1.

Devonian, Eifelian, Ahbach formation. Germany

**PLAXOCRINUS** Moore and Plummer, 1938. \**Hydreionocrinus crassidiscus* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Moore and Plummer, 1938, p. 277. Bassler, 1938, p. 154. Moore, 1939c, p. 223.

Moore and Plummer, 1940, p. 187. Bassler and Moodey, 1943, p. 633. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 163. Yakovlev, 1947b, p. 749, Fig. 2. Yakovlev, 1947d, p. 45, Fig. 12. Yakovlev, 1956a, p. 82, Fig. 32.

Yakovlev, 1958, p. 67, Fig. 32. Yakovlev, 1964a, p. 76, Fig. 34. Knapp, 1969, p. 376, Fig. 2. Strimple, 1969d, p. 12. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 216. Pabian and Strimple, 1974a, p. 282. Pabian and Strimple, 1974b, p. 3. Webster, 1977, p. 141. Moore and Strimple *in* Moore and Teichert, 1978, p. T731. Pabian and Strimple, 1980a, p. 179. Pabian and Strimple, 1985, p. 54. Webster, 1986, p. 256. Webster, 1988, p. 135. Pabian and Strimple, 1993, p. 28. Webster, 1993, p. 96. Pabian and Rushlau, 2002, p. 26. Webster and Maples, 2006, p. 192, Fig. 2, no. G.

Named, currently recognized species based on cups or crowns: 18 species. 1

Mississippian, Viséan (Meramecian); 16 Pennsylvanian, 2 Morrowan, 1 Atokan, 5 Desmoinesian, 5 Missourian, 1 Missourian – Virgilian, 1 Missourian ? Virgilian, 1 Virgilian; 1 Permian, Wolfcampian

Mississippian, Meramecian. United State, Missouri

Pennsylvanian - Early Permian, Morrowan - middle Wolfcampian. United States

Middle Pennsylvanian. Brazil

*Plaxocrinus amesi* Burke, 1974a, p. 164, Figs. 13-15. Webster, 1977, p. 141.

Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

*Plaxocrinus aplatatus* Moore and Plummer, 1940, p. 198, Pl. 9, figs. 2-3. Bassler and Moodey, 1943, p. 633. Strimple, 1962e, p. 32, Pls. 1, figs. 5-8; 2, figs. 13-16. Webster, 1973, p. 216.

Pennsylvanian, Desmoinesian, Mineral Wells Shale; Oologah Limestone. United States, Texas, Oklahoma

*Plaxocrinus beggsi* Strimple, 1961g, p. 52, Pl. 12, figs. 1-3; Fig. 13, nos. g-h. Webster, 1973, p. 216.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Plaxocrinus? brasilensis* Lane, N. G., 1964a, p. 364, Pl. 57, figs. 11-12. Webster, 1973, p. 216.

Pennsylvanian, Atokan, Itaituba Series. Brazil, Pará

*Plaxocrinus buffaloensis* Burke, 1974a, p. 158, Figs. 1-5. Webster, 1977, p. 141. Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

*Plaxocrinus conemaughensis* Burke, 1974a, p. 161, Figs. 6-12. Webster, 1977, p. 141. Pennsylvanian, Missourian, Ames Limestone. United States, West Virginia

\**Plaxocrinus crassidiscus* (Miller and Gurley, 1893). Moore and Plummer, 1938, p. 278, Fig. 26. Moore and Plummer, 1940, p. 188; Fig. 36. Bassler and Moodey, 1943, p. 633. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 7; 63, fig. 7. Knapp, 1969, p. 376, Fig. 36. Webster, 1973, p. 216. Pabian and Strimple, 1974b, p. 5. Webster, 1977, p. 141. Moore and Strimple, *in* Moore and Teichert, 1978, p. T731, Fig. 480, nos. 1a-1d. Pabian and Strimple, 1980a, p. 179, Fig. 7, nos. C-K. Pabian and Strimple, 1980b, p. 17, Pl. 6, figs. 1-4. Webster, 1986, p. 257.

Pabian

and Strimple, 1993, p. 28, Figs. 12, nos. a-h; 13, e-f. Pabian and Rushlau, 2002, p. 27. Webster and Maples, 2006, p. 194, Fig. 5, nos. C-D

*Hydreionocrinus crassidiscus* Miller and Gurley, 1893, p. 43, Pl. 6, figs. 18-19. Miller, S. A., 1897, p. 747. Weller, S., 1898c, p. 310. Bassler, 1938, p. 155. Bassler and Moodey, 1943, p. 633.

Pennsylvanian, Missourian - Virgilian, Farley Limestone; Argentine Limestone; Stanton Formation, Stoner Limestone Member; Cass Formation, Haskell Limestone Member; South Bend Limestone; Kanwaka Formation, Stull Shale Member; Deer Creek Formation, Ervine Creek Limestone Member; Beil Limestone. United States, Missouri, Nebraska, Kansas, Iowa

*Plaxocrinus* sp. cf. \**P. crassidiscus* (Miller and Gurley, 1890). Pabian and Strimple, 1985, p. 54, Figs. 21, nos. k-l; 26, nos. f-h. Webster, 1988, p. 136. Pabian and Holterhoff, 1988, p. 83, Fig. 1, no. F. Webster, 1993, p. 96.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Calhoun Shale. United States, Kansas, Nebraska

*Plaxocrinus discus* (Meek and Worthen, 1860). Moore and Plummer, 1938, p. 279. Bassler and Moodey, 1943, p. 633. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 6. Knapp, 1969, p. 376. Webster, 1973, p. 216. Webster, 1977, p. 141. Pabian and Strimple, 1980a, p. 180. Webster, 1986, p. 257.

*Zeacrinus discus* Meek and Worthen, 1860, p. 390. Meek and Worthen, 1866a, p. 312, Pl. 26, figs. 3a-3b. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Lesley, 1889, p. 1281, Figs. 3a-3b. Weller, S., 1898c, p. 310. Bassler and Moodey, 1943, p. 633.

*Hydreionocrinus discus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 310.

Pennsylvanian, Missourian, Argentine Limestone. United States, Illinois, Iowa, Kansas

*Plaxocrinus dornickensis* Strimple, 1949 = *Metaffinocrinus dornickensis*

*Plaxocrinus* aff. *P. dornickensis* Strimple, 1949. Strimple, 1961g, p. 51, Pl. 14, figs. 5-6. Webster, 1973, p. 216.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Plaxocrinus* sp. cf. *P. dornickensis* Strimple, 1949. Strimple, 1969d, p. 15, Fig. 5, nos. 4-6. Webster, 1977, p. 141.  
Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

*Plaxocrinus gloukosensis* Strimple, 1951 = *Vertigocrinus gloukosensis*

*Plaxocrinus* cf. *P. gloukosensis* Strimple, 1951. Strimple, 1971c, p. 999, Pl. 123, fig. 4. Webster, 1977, p. 141.  
Pennsylvanian, Virgilian, Vinland Shale. United States, Kansas

*Plaxocrinus kansasensis* (Weller, 1898) = *Schistocrinus kansasensis* = *Sciadiocrinus kansasensis*

*Plaxocrinus laxus* Strimple, 1951 = *Retusocrinus laxus*

*Plaxocrinus lobatus* Moore and Plummer, 1940 = *\*Retusocrinus lobatus*

*Plaxocrinus macrospiniferus* Pabian and Strimple, 1974b, p. 5, Figs. 2, nos. 2-3; 3, nos. 1-7. Webster, 1986, p. 257. Pabian and Strimple, 1993, p. 28, Fig. 13, nos. a-c.  
Pennsylvanian, Missourian, ?Virgilian, Stanton Formation, Eudora Shale; South Bend Limestone. United States, Kansas

*Plaxocrinus modestus* Moore, 1939 = *Simocrinus modestus*

*Plaxocrinus mooresi* (Whitfield, 1882) = *Aatocrinus mooresi*

*Plaxocrinus normalis* Strimple, 1961g, p. 48, Pls. 11, figs. 5-7; 15, fig. 5; 18, figs. 3-4; 19, figs. 1, 3; Fig. 13, no. e. Webster, 1973, p. 217.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Plaxocrinus obesus* Moore and Plummer, 1940 = *Sciadiocrinus obesus*

*Plaxocrinus?* *obesus* Moore and Plummer, 1940. Strimple, 1962e, p. 32, Pl. 7, fig. 19. Webster, 1973, p. 217.  
Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

- Plaxocrinus* aff. *P. obesus* Moore and Plummer, 1940. Strimple, 1961g, p. 47, Pls. 16, fig. 3; 19, fig. 4; Fig. 13, no. d. Webster, 1973, p. 217.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma
- Plaxocrinus octarius* Strimple, 1961g, p. 54, Pl. 4, figs. 1-2; Fig. 8. Webster, 1973, p. 217.  
Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma
- Plaxocrinus oeconomicus* Strimple, 1951a, p. 206, Pl. 38, figs. 7-8. Webster, 1973, p. 217.  
Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Texas
- Plaxocrinus omphaloides* Moore and Plummer, 1940 = *Psilocrinus omphaloides*
- Plaxocrinus orthodoxus* Moore, 1939 = *Simocrinus orthodoxus*
- Plaxocrinus parilis* Moore and Plummer, 1940 = *Vertigocrinus parilis*
- Plaxocrinus parillis* Moore and Plummer, 1940 = *Vertigocrinus parillis*
- Plaxocrinus perundatus* Moore and Plummer, 1940 = \**Metaffinocrinus perundatus*
- Plaxocrinus piutae* Lane and Webster, 1966, p. 49, Pl. 8, figs. 10-13. Webster and Lane, 1967, p. 29. Webster, 1973, p. 217.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada
- Plaxocrinus politus* Moore, 1939 = *Stenopeocrinus politus* = *Vertigocrinus politus*
- Plaxocrinus praevalens* Moore, 1939 = *Separocrinus praevalens*
- Plaxocrinus puteus* Strimple, 1949d, p. 17, Pl. 3, figs. 1-2, 5, 7. Webster, 1973, p. 217.  
Pennsylvanian, Morrowan, Otterville Limestone. United States, Oklahoma
- Plaxocrinus?? sanctiludovici* (Worthen, 1889). Moore and Plummer, 1940, p. 356.  
Bassler and Moodey, 1943, p. 634. (Not a *Plaxocrinus*, GDW.)  
*Eupachyocrinus? sancti-ludovici* Worthen in Miller, S. A., 1889, p. 356. Worthen, 1890, p. 98. Weller, S., 1898c, p. 311. Bassler and Moodey, 1943, p. 634.  
*Eupachyocrinus sanctiludovici* Worthen in Miller, S. A., 1889, p. 245. Worthen in Miller, S. A., 1897, p. 746.  
*Hydreionocrinus sancti-ludovici* (Worthen, 1889). Miller and Gurley, 1893, p. 40, Pl. 6, fig. 2. Weller, S., 1898c, p. 311. Bassler and Moodey, 1943, p. 634.  
*Hydreionocrinus sanctiludovici* (Worthen, 1889). Miller, S. A., 1897, p. 747.  
Mississippian, Viséan (Meramecian), St. Louis Limestone. United States, Missouri
- Plaxocrinus strigosus* Moore and Plummer, 1938, p. 279, Pl. 14, figs. 1a-1f; Fig. 27.  
Bassler and Moodey, 1943, p. 634. Moore and Strimple, 1973, p. 69. Webster,

1977, p. 103. Pabian and Strimple, 1978a, p. 55, Fig. 6, no. P. Webster, 1986, p. 257.

*Lasanocrinus strigosus* (Moore and Plummer, 1938). Moore and Strimple, 1973, p. 69, Pl. 18, figs. 1-2; Fig. 6, nos. 1a-1b. Webster, 1977, p. 103.  
Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Limestone Member. United States, Oklahoma, Arkansas

*Plaxocrinus subsinuatus* (Miller and Gurley), Moore and Plummer, 1938 =  
*Laudonocrinus subsinuatus*

*Plaxocrinus tumulosus* Strimple, 1949 = *Metaffinocrinus tumulosus* = *Metaffinocrinus perundatus*

*Plaxocrinus uddeni* (Weller, 1909) = *Neozeacrinus uddeni*

*Plaxocrinus virginarius* Moore, 1939c, p. 231, Pl. 8, figs. 2a-2e; Figs. 11, nos. a-b; 15, no. f. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 2. Knapp, 1969, p. 376. Webster, 1973, p. 217. Webster, 1977, p. 142.  
Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma, Texas

*Plaxocrinus* spp.

Webster and Lane, 1967, p. 29, Pl. 8, fig. 7. Webster, 1973, p. 217.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Devonshire, 1954, Pl. 2, figs. 15-16. Devonshire, 1955, Pl. 2, figs. 15-16 (spinose tegmen plates). Webster, 1977, p. 142.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

White, E., 1964, Fig. 23. Webster, 1977, p. 142.

Pennsylvanian. United States, Nebraska

Pabian and Strimple, 1978a, p. 53, Figs. 4, nos. D-H; 5, nos. A-C, G-J; 6, nos. G-J, N-O, T. Webster, 1986, p. 258.

Pennsylvanian, Kiewitz Shale; Cass Formation, Haskell Limestone Member; Wann Formation; Wyandotte Formation, Farley Limestone Member; Oread Formation, Plattsmouth Limestone Member. United States, Nebraska, Oklahoma, Kansas, Iowa

Strimple, 1980b, p. 9, Pl. 2, figs. 1-3. Webster, 1986, p. 258.

Pennsylvanian, Morrowan, La Pasada Formation. United States, New Mexico

**PLAYFORDICRINUS** Jell and Jell, 1999. \**Playfordicrinus kellyensis* Jell and Jell, 1999.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Jell and Jell, 1999, p. 224.

Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species

Devonian, middle Famennian. Australia, Western Australia

\**Playfordicrinus kellyensis* Jell and Jell, 1999, p. 228, Figs. 21-24.

Devonian, middle Famennian, Virgin Hills Formation. Australia, Western Australia

**PLEMNOCRINUS** Kirk, 1946. \**P. beebei* Kirk, 1946.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinitidae

Kirk, 1946d, p. 435. Ubaghs, 1953, p. 743. Arendt and Hecker, 1964, p. 98.

Brower, 1970, p. 532. Webster, 1973, p. 218. Webster, 1977, p. 142. Lane in Moore and Teichert, 1978, p. T516. Webster, 1986, p. 258. Lane and Sevastopulo, 1987, p. 205. Webster, 1993, p. 96. Ausich and Kammer, 2009, p. 707.

Named, currently recognized species based on cups or crowns: 9 Mississippian species, 3 Tournaisian – Viséan, 6 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States, Iowa, Missouri, Arizona

\**Plemnocrinus beebei* Kirk, 1946d, p. 436, Pls. 65, figs. 2-5; 66, figs. 7-9. Webster, 1973, p. 218. Lane in Moore and Teichert, 1978, p. T516, Fig. 317, no. 1. Webster, 1986, p. 258. Ausich and Kammer, 2009, p. 707.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Plemnocrinus bullatus* Kirk, 1946d, p. 437, Pl. 65, fig. 1. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Plemnocrinus cavus* (Hall, 1858). Kirk, 1946d, p. 438. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.

*Platycrinus cavus* Hall, 1858c, p. 527, Pl. 8, figs. 1a-1b. Shumard, 1868, p. 387.

Miller, S. A., 1889, p. 270. Wachsmuth and Springer, 1897, p. 715, Pl. 67, figs. 8a-8b. Weller, S., 1898c, p. 436. Bassler and Moodey, 1943, p. 617. Kirk, 1946d, p. 438. Webster, 1973, p. 218.

*Platycrinites cavus* (Hall, 1858). Bassler and Moodey, 1943, p. 617.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Plemnocrinus gorbyi* (Miller, 1891). Kirk, 1946d, p. 439. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.

*Platycrinus gorbyi* Miller, S. A., 1891b, p. 15, Pl. 1, fig. 14. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 715, Pl. 68, fig. 15. Weller, S., 1898c, p. 439. Bassler and Moodey, 1943, p. 621. Kirk, 1946d, p. 439. Webster, 1973, p. 218.

*Platycrinites gorbyi* (Miller, 1891). Bassler and Moodey, 1943, p. 621.

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; lower part of Burlington Limestone. United States, Missouri, Iowa

*Plemnocrinus homalus* Kirk, 1946d, p. 439, Pl. 66, figs. 1-6. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa, Missouri



- Plemnocrinus occidentalis* (Miller, 1891). Kirk, 1946d, p. 440. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.
- Platycrinus occidentalis* Miller, S. A., 1891b, p. 10, Pl. 1, fig. 5-6. Miller, S. A., 1892a, p. 681. Bassler and Moodey, 1943, p. 623. Kirk, 1946d, p. 440. Webster, 1973, p. 218.
- Platycrinites occidentalis* (Miller, 1891). Bassler and Moodey, 1943, p. 623. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Burlington Limestone. United States, Missouri
- Plemnocrinus* n. sp. aff. *P. occidentalis* (Miller, 1891). Brower, 1970, p. 533, Pl. 66, figs. 22-23, 26-27; Fig. 86, nos. J-L. Webster, 1977, p. 142. Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member, Thunder Springs Member or Mooney Falls Member. United States, Arizona
- Plemnocrinus subspinosus* (Hall, 1858). Kirk, 1946d, p. 440. Webster, 1973, p. 218.
- Platycrinus subspinosus* Hall, 1858c, p. 536, Pl. 8, figs. 9-10. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Wachsmuth and Springer, 1897, p. 717, Pl. 66, figs. 9a-9b. Weller, S., 1898c, p. 446. Bather *in* Lankester, 1900, p. 158, Fig. 71, no. 1. Delage and Herouard, 1903, p. 382, Fig. 462. Grabau and Shimer, 1910, p. 519, Fig. 1841. Springer *in* Zittel, 1913, p. 199, Fig. 300. Wilson, H. E., 1916, p. 509, Pl. 2, fig. 6. Bassler and Moodey, 1943, p. 627. Kirk, 1946d, p. 440. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.
- Platycrinites subspinosus* (Hall, 1858). Meek and Worthen, 1873, p. 452, Pl. 11, fig. 2. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 627.
- Platycrinus (Pleurocrinus) subspinosus* Meek and Worthen, 1866a, p. 173, Pl. 15, fig. 6. Bassler and Moodey, 1943, p. 627. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Plemnocrinus sulciferus* (Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 707.
- Platycrinus sulciferus* Miller and Gurley, 1895b, p. 75, Pl. 4, figs. 33-34. Miller, S. A., 1897, p. 750. Weller, S., 1898c, p. 447. Bassler and Moodey, 1943, p. 628.
- Platycrinites sulciferus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 628. Brower, 1970, p. 527, Pl. 66, fig. 10. Webster, 1977, p. 139. Ausich and Kammer, 2009, p. 707. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; Redwall Limestone, Thunder Springs or Mooney Falls Member. United States, Missouri, Arizona
- Plemnocrinus tuberosus* (Hall, 1858). Kirk, 1946d, p. 440. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 707.
- Platycrinus tuberosus* Hall, 1858c, p. 534, Pl. 8, figs. 7a-7b. Shumard, 1868, p. 390. Miller, S. A., 1889, p. 272. Weller, S., 1898c, p. 261. Delage and Herouard, 1903, p. 382, Fig. 463. Bassler and Moodey, 1943, p. 470. Kirk, 1946d, p. 440. Webster, 1973, p. 218.

*Eucladocrinus tuberosus* (Hall, 1858). Wachsmuth and Springer, 1897, p. 728, Pl. 72, figs. 3-4c. Weller, S., 1898c, p. 261. Bassler and Moodey, 1943, p. 470. Moore and Laudon, 1944, p. 205, Pl. 78, fig. 30. Webster, 1973, p. 127. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri

*Plemnocrinus* spp.

Brower, 1970, p. 533, Pl. 66, fig. 20. Webster, 1977, p. 142. Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member. United States, Arizona

*Pleurocrinus formosus* Webster and Lane, 1987 (non Miller and Gurley, 1895). Ausich and Kammer, 2009, p. 707.

Mississippian, Viséan (early Osagean), Monte Cristo Group, Anchor Limestone. United States, Nevada

**PLESIOCRINUS** Wanner, 1937. \**P. piriformis* Wanner, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Eutelecrinidae

Wanner, 1937, p. 74. Bassler, 1938, p. 155. Bassler and Moodey, 1943, p. 634.

Moore and Laudon, 1943b, p. 101. Branson, C. C., 1948, p. 208. Ubaghs, 1953, p. 743. Arendt and Hecker, 1964, p. 98. Webster, 1973, p. 218. Ubaghs *in* Moore

and Teichert, 1978, p. T514. Frest and Strimple, 1980, p. 262, Fig. 4, nos. i-j, q. Webster, 1986, p. 258. Webster, 1993, p. 96.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Plesiocrinus piriformis* Wanner, 1937, p. 75, Pl. 6, figs. 36-38. Bassler, 1938, p. 155.

Bassler and Moodey, 1943, p. 635. Branson, C. C., 1948, p. 208. Ubaghs *in* Moore and Teichert, 1978, p. T515, Fig. 315, no. 3. Bowsher and Strimple, 1986, p. 9, Fig. 29, nos. a-b (after Wanner, 1937). Webster, 1986, p. 258. Webster, 1993, p. 96.

Permian, series uncertain. West Timor, Basleo

**PLEUROCRINUS** Austin and Austin, 1843. \**Platycrinites mucronatus* Austin *in* Austin and Austin, 1843.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Platycrinidae

Austin and Austin, 1843, p. 6. Zittel, 1880, p. 365. Wanner, 1916, p. 45. Wright, J., 1938a, p. 267. Bassler, 1938, p. 155. Bassler and Moodey, 1943, p. 635. Moore and Laudon, 1943b, p. 101. Branson, C. C., 1948, p. 208. Ubaghs, 1953, p. 743. Arendt and Hecker, 1964, p. 98. Brower, 1970, p. 531. Webster, 1973, p. 218. Webster, 1977, p. 142. Lane *in* Moore and Teichert, 1978, p. T516. Webster, 1986, p. 258. Webster and Lane, 1987, p. 38. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 136. Donovan, 1992c, p. 45. Webster, 1993, p. 96. Donovan and Lewis, 2003, p. 2. Webster et al., 2004, p. 36. Ausich and

Kammer,

2009, p. 708.

*MEDUSACRINUS* Austin, 1875, p. 91. \**Platycrinites mucronatus* Austin and Austin, 1875. Wachsmuth and Springer, 1881, p. 233 (407). Bassler and Moodey, 1943, p. 614. Lane *in* Moore and Teichert, 1978, p. T516.

Named, currently recognized species based on cups or crowns: 28 species. 21 Mississippian, 3 Tournaisian, 6 Tournaisian – Viséan, 11 Viséan, 1 Serpukhovian; 1 Mississippian – Pennsylvanian Tournaisian – Viséan, Westphalian; 1 Pennsylvanian, Bashkirian; 5 Permian, 1 Guadalupian, 4 series uncertain

Mississippian, middle Tn<sub>2</sub>-V<sub>3c</sub>. Europe; Northern Africa

Mississippian, Viséan (Osagean). North America

Pennsylvanian, Westphalian. Morocco

Permian, series uncertain. West Timor

*Pleurocrinus allophylus* (Miller, 1891). Ausich and Kammer, 2009, p. 709, Figs. 2.12-2.15.

*Platycrinus allophylus* Miller, S. A., 1891b, p. 9, Pl. 1, figs. 3-4. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 685, Pl. 71, fig. 17. Weller, S., 1898c, p. 433. Miller, S. A., 1897, p. 750, Fig. 1372. Peck and Keyte, 1938, p. 92, Pl. 30, figs. 23-24. Bassler and Moodey, 1943, p. 614.

*Platycrinites allophyllus* (Miller, 1891). Bassler and Moodey, 1943, p. 614. Moore and Laudon, 1944, p. 203, Pl. 77, fig. 16. Webster, 1973, p. 211. Ausich and Kammer, 2009, p. 708.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Pleurocrinus balladoolensis* (Wright, 1942). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinites balladoolensis* (Wright, 1938). Bassler and Moodey, 1943, p. 616. Wright, J., 1956b, p. 280, Pl. 72, figs. 23, 27. Webster, 1973, p. 211.

*Platycrinites balladoolensis* (Wright, 1938). Moore, 1948, p. 390, Fig. 11.

*Platycrinus balladoolensis* Wight, J., 1938a, p. 280, Pl. 9, figs. 10, 12. Bassler and Moodey, 1943, p. 616. Ausich and Kammer, 2006, p. 103.

Mississippian, Viséan, D<sub>2</sub>, Dolomite Limestone. United Kingdom

*Pleurocrinus bellmanensis* (Wright, 1942). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinus bellmanensis* Wright, 1942. Ausich and Kammer, 2006, p. 103.

Mississippian, Viséan, C<sub>2</sub>. United Kingdom

*Pleurocrinus concavus* Wright, J., 1956b, p. 299, Pl. 80, figs. 2-5. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 708.

Mississippian, Viséan. United Kingdom, Scotland

*Pleurocrinus coplowensis* Wright, J., 1938a, p. 283, Pl. 10, figs. 17-20. Bassler and Moodey, 1943, p. 635. Wright, J., 1956b, p. 300, Pls. 69, figs. 9-12; 73, figs. 8-11. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 708.

Mississippian, Viséan, C<sub>1</sub>, Mountain Limestone. United Kingdom, Scotland

*Pleurocrinus coronatus* (Goldfuss, 1839). Wanner, 1916, p. 46. Wright, J., 1938a, p. 276, Pl. 10, figs. 5-8. Bassler and Moodey, 1943, p. 635. Wright, J., 1956b, p. 296, Pl. 72, figs. 5-8; Fig. 128. Webster, 1973, p. 218. Lane *in* Moore and Teichert, 1978, p. T516, Fig. 316, nos. 1d-1g. Webster, 1986, p. 258. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 5. Ausich and Kammer, 2009, p. 708

*Platycrinites coronatus* Goldfuss, 1839, p. 344, Pl. 31, fig. 8. Bassler, 1938, p. 155. Bassler and Moodey, 1943, p. 635.

*Platycrinuss coronatus* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 152. Baily, 1875, Pl. 36, fig. 4.

*Platycrinus laevis* Phillips, 1836 (part). Bronn, 1848, p. 993.

Mississippian, Tournaisian? - Viséan, Mountain Limestone. United Kingdom, Scotland

*Pleurocrinus depressus* Wanner, 1916, p. 49, Pl. 100 (5), fig. 1. Wanner, 1924, p. 76, Pl. 2, figs. 5-6. Bassler and Moodey, 1943, p. 635. Branson, C. C., 1948, p. 208. Ausich and Kammer, 2009, p. 708.

Permian, series uncertain. West Timor, Basleo

*Pleurocrinus diadema* (M'Coy, 1849). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinus diadema* M'Coy, 1849, p. 246. M'Coy, 1854, p. 108. Wright, J., 1938a, p. 275, Pl. 11, figs. 1-2, 4-10. Bassler and Moodey, 1943, p. 619. Ausich and Kammer, 2006, p. 103.

*Platycrinites diadema* (M'Coy, 1849). Bassler and Moodey, 1943, p. 619. Wright, J., 1956b, p. 273, Pls. 70, figs. 1-4, 8-9; 71, fig. 17; 72, figs. 24-26, 28-32. Breimer, 1962a, p. 140, Fig. 32 (typographical error on p. 140 as *Pleurocrinus diadema*). Webster, 1973, p. 212.

*Platycrinus diadema* M'Coy, 1849, p. 246. M'Coy, 1854, p. 108. Wright, J., 1938a, p. 275, Pl. 11, figs. 1-2, 4-10. Bassler and Moodey, 1943, p. 619. Mississippian, Viséan, Mountain Limestone. Ireland; United Kingdom, Scotland

*Pleurocrinus directus* (Wright, 1938). Ausich and Kammer, 2006, p. 103. (considered a *nomen dubius* species)

*Platycrinus directus* Wright, J., 1938a, p. 280, Pl. 9, figs. 7, 9. Bassler and Moodey, 1943, p. 619.

*Platycrinites directus* (Wright, 1938). Bassler and Moodey, 1943, p. 619. Wright, J., 1956b, p. 280, Pl. 72, figs. 21-22. Webster, 1973, p. 212. Ausich and Kammer, 2006, p. 103.

Mississippian, Viséan, D<sub>2</sub>. United Kingdom

*Pleurocrinus ellesmerense* (Broadhead and Strimple, 1977). Ausich and Kammer, 2009, p. 709 as *P. ellesmerensis*.

*Platycrinites ellesmerense* Broadhead and Strimple, 1977, p. 1171, Pl. 1, figs. 1-2, 4-5; Fig. 2, nos. B-C. Bowsher and Strimple, 1986, p. 9, Figs. 34; 55, nos. a-d. Figure explanation lists 34a-34b; there is only figure 34. Webster, 1986, p. 255.

- Webster, 1993, p. 93. Ausich and Kammer, 2009, p. 709, misspelled as *Pl. ellesmerensis*.  
Permian, Guadalupian, Troid Fjord Formation. Canada, Ellesmere Island
- Pleurocrinus ellipticus* (Phillips, 1836). Wright, J., 1938a, p. 279, Pl. 10, figs. 21-24. Bassler and Moodey, 1943, p. 635. Wright, J., 1956b, p. 302, Pls. 73, figs. 17-20; 80, figs. 9-12. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 708.  
*Platycrinus ellipticus* Phillips, 1936, p. 204, Pl. 3, figs. 19, 21. Bronn, 1848, p. 993. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 153. Bassler and Moodey, 1943, p. 635.  
Mississippian, Tournaisian - Viséan, Mountain Limestone. United Kingdom, Scotland
- Pleurocrinus follicus* Webster et al., 2004, p. 38, Pl. 10, figs. 1-8. Ausich and Kammer, 2009, p. 708.  
Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria
- Pleurocrinus formosus* (Miller and Gurley, 1895). Webster and Lane, 1987, p. 38, Fig. 11, nos. 24-27. Webster, 1993, p. 96.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada
- Pleurocrinus formosus* Webster and Lane, 1987 (non Miller and Gurley, 1895) = *Plemnocrinus* sp.
- Pleurocrinus globosus* Wanner, 1916, p. 52, Pls. 97 (2), fig. 6; 99 (4), fig. 10. Bassler and Moodey, 1943, p. 635. Branson, C. C., 1948, p. 208. Ausich and Kammer, 2009, p. 708.  
Permian, series uncertain. West Timor, between Niki-Niki and Noil Fatoe
- Pleurocrinus glomerosus* Webster et al., 2004, p. 37, Pl. 9, figs. 1-10. Ausich and Kammer, 2009, p. 708.  
Mississippian, Serpukovian, limestone above El Guelmouna Formation. Algeria
- Pleurocrinus goldfussi* Wanner, 1916, p. 51, Pl. 100 (5), fig. 2. Bassler and Moodey, 1943, p. 635. Branson, C. C., 1948, p. 208. Ausich and Kammer, 2009, p. 708.  
Permian, series uncertain. West Timor, Basleo
- Pleurocrinus grandis* Wright, J., 1938a, p. 281, Pl. 8, figs. 1-7. Bassler and Moodey, 1943, p. 635. Wright, J., 1956b, p. 297, Pl. 73, figs. 1-7. Webster, 1973, p. 218. Ausich and Kammer, 2009, p. 708.  
Mississippian, Viséan, D<sub>2</sub>, Mountain Limestone. United Kingdom
- Pleurocrinus halli* (Shumard, 1868) = *Platycrinites halli* = *Elegantocrinus halli*
- Pleurocrinus* sp. cf. *P. halli* (Shumard, 1866). Brower, 1970, p. 531, Pl. 66, figs. 24-25; Fig. 86, no. H. Webster, 1977, p. 142.  
Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member, Mooney Falls Member. United States, Arizona

*Pleurocrinus insulsus* (Wright, 1945) = *Elegantocrinus insulsus*

*Pleurocrinus inurbanus* Wright, J., 1938a, p. 282, Pl. 9, figs. 1, 3-4, 6. Bassler and Moodey, 1943, p. 635. Moore, 1948, p. 390, Fig. 11. Wright, J., 1956b, p. 297, Pl. 73, figs. 13-16. Donovan, 1992c, p. 45, Fig. 7, no. J. Ausich and Kammer, 2009, p. 708.

*Platycrinus inurbanus* (Wright); Breimer, 1962a, p. 140, Fig. 32 (typographical error). Mississippian, Viséan, C<sub>1</sub>, Mountain Limestone. United Kingdom, Scotland

*Pleurocrinus megastylus* (M'Coy, 1849). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinus megastylus* M'Coy, 1849. Ausich and Kammer, 2006, p. 103. Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland

\**Pleurocrinus mucronatus* (Austin, 1842). Wright, J., 1938a, p. 277. Bassler and Moodey, 1943, p. 635. Wright, 1956b, p. 295, Pl. 74, figs. 10-12. Webster, 1973,

p. 218. Lane in Moore and Teichert, 1978, p. T516, Fig. 316, nos. 1a-1c. Webster, 1986, p. 258. Ausich and Kammer, 2009, p. 708.

*Platycrinites mucronatus* Austin in Austin and Austin, 1842, p. 109. Austin and Austin, 1843, p. 22, Pl. 2, figs. 1a-1f. Bassler, 1938, p. 130. Bassler and Moodey, 1943, p. 635.

*Platycrinus mucronatus* (Austin, 1842). Bronn, 1848, p. 993.

*Medusacrinus mucronatus* (Austin and Austin, 1842). Austin, 1875, p. 91, Fig. 2. Mississippian, Tournaisian? - Viséan, Mountain Limestone. United Kingdom

*Pleurocrinus patulus* (Wright, 1956). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinus patulus* Wright, 1956. Ausich and Kammer, 2006, p. 103. Mississippian, Tournaisian?. United Kingdom

*Pleurocrinus pileatus* (Goldfuss, 1839). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinites pileatus* Goldfuss, 1839, p. 343, Pl. 31, fig. 7. Quenstedt, 1852, p. 618, Pl. 54, figs. 27a-27b. Bassler and Moodey, 1943, p. 624. Wright, J., 1956b, p. 275, Pls. 69, figs. 21-24; 74, figs. 8-9; Fig. 127. Webster, 1973, p. 213.

?*Platycrinus pileatus* (Goldfuss, 1839). Reed, 1892, p. 548. Ausich and Kammer, 2006, p. 103.

*Platycrinus pileatus* (Goldfuss, 1839). Bronn, 1848, p. 993. Quenstedt, 1885, p. 952, 957, Pls. 76, figs. 15-16; 77, fig. 9; Fig. 356 (given as *Platycrinites pileatus* for Fig. 16, plate explanation). Dujardin and Hupé, 1862, p. 154, Pl. 2, fig. 1b. Ausich and Kammer, 2006, p. 103.

Mississippian, Tournaisian - Viséan, Mountain Limestone; Wangjiadashan Formation. United Kingdom, Scotland; Ireland; Belgium; China, Yunnan Province

*Pleurocrinus pusillus* Wanner, 1916 = *Pleurocrinus spectabilis*

*Pleurocrinus quinquenodus* (White, 1862). Ausich and Kammer, 2009, p. 708.

*Platycrinus quinquenodus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 18.  
Wachsmuth and Springer, 1897, p. 661, Pl. 71, figs. 14a-14c. Weller, S., 1898c,  
p. 444. Bassler and Moodey, 1943, p. 625.

*Platycrinites quinquenodus* (White, 1862). Bassler and Moodey, 1943, p. 625.

Moore and Laudon, 1944, p. 203, Pl. 78, fig. 19. Good, 1968, Pl. 1, fig. 10.

Laudon, 1973b, p. 31, Fig. 6. Webster, 1973, p. 213. Webster, 1977, p. 139.

Ausich and

Kammer, 2009, p. 708.

*Platycrinus quenquenodus* White, 1862. Shumard, 1868, p. 389. Miller, S. A., 1889,  
p. 271.

*Platycrinus plano-basalis* Rowley and Hare, 1891a, p. 97, Pl. 2, fig. 1. Weller, S.,  
1898c, p. 444.

*Platycrinus planobasalis* Rowley and Hare, 1891. Miller, S. A., 1892a, p. 681.

Bassler and Moodey, 1943, p. 625.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
Iowa

*Pleurocrinus rugosus* (Miller, 1821). Wright, J., 1942, p. 271, Pl. 11, figs. 1-8. Wright, J.,  
1956b, p. 298, Pl. 73, figs. 21-28. Webster, 1973, p. 219.

Mississippian, Tournaisian? - Viséan, Mountain Limestone. Ireland, United Kingdom,  
Scotland

*Pleurocrinus spectabilis* Wanner, 1916, p. 46, Pl. 99 (4), fig. 8; Fig. 5. Wanner, 1937, p.  
80, Pl. 7, figs. 2-3; Figs. 13-14. Bassler and Moodey, 1943, p. 635. Branson, C.  
C., 1948, p. 208. Bowsher and Strimple, 1986, p. 9, Fig. 26, nos. a-b (after  
Wanner, 1916). Webster, 1993, p. 96. Ausich and Kammer, 2009, p. 708.

*Pleurocrinus pusillus* Wanner, 1916, p. 48, Pl. 99 (4), fig. 9. Bassler and Moodey,  
1943, p. 635. Branson, C. C., 1948, p. 208.

Permian, series uncertain. West Timor, Basleo

*Pleurocrinus tuberculatus* (Miller, 1821). Wright, J., 1938a, p. 278, Pl. 10, figs. 1-4.

Bassler and Moodey, 1943, p. 636. Wright, J., 1956b, p. 301, Pls. 72, figs. 1-4;

74, figs. 13, 16-19. Webster, 1973, p. 219. Smith, A. B., 1985, p. 166, Pl. 7.4.5.

Webster, 1988, p. 136. Ausich and Kammer, 2006, p. 103 (considered *nomen  
dubium*).

*Platycrinites tuberculatus* Miller, J. S., 1821, p. 81; Figs. 1-2. Fleming, 1828, p. 496.

Bassler and Moodey, 1943, p. 636. Termier, G. and Termier, H., 1950, p. 86, Pl.

212, figs. 10-11. Webster, 1973, p. 219. Bowsher and Strimple, 1986, p. 8, Fig.

7, nos. a-b. Webster, 1993, p. 95.

*Platycrinus tuberculatus* (Miller, 1821). Phillips, 1836, p. 204, Pl. 5, fig. 17. Austin

and Austin, 1844, p. 41, Pl. 4, fig. 3. Bronn, 1848, p. 993. d'Orbigny, 1850, p.

156. Dujardin and Hupé, 1862, p. 152. Bassler and Moodey, 1943, p. 636.

*Encrinites tuberculatus* Schlotheim, 1832, Pl. 26, figs. 2a-2b. Bronn, 1848, p. 993.

*Medusacrinus tuberculatus* (Miller, 1821). Austin, 1875, p. 91.

Mississippian - Pennsylvanian, Tournaisian? - Viséan, Westphalian. United Kingdom, Scotland; Morocco

*Pleurocrinus vesiculosus* (M'Coy, 1849). Ausich and Kammer, 2006, p. 103. Ausich and Kammer, 2009, p. 708.

*Platycrinus vesiculosus* M'Coy, 1849, p. 246. M'Coy, 1854, p. 119, Pl. 3D, fig. 3. M'Coy, 1854, p. 107. Bassler and Moodey, 1943, p. 629.

*Platycrinites vesiculosus* (M'Coy, 1849). Bassler and Moodey, 1943, p. 629.

*Platycrinites? vesiculosus* (M'Coy, 1849). Wright, J., 1956b, p. 294. Webster, 1973, p. 214. Ausich and Kammer, 2006, p. 103.

Mississippian, Tournaisian?. United Kingdom

*Pleurocrinus wachsmuthi* (Wanner, 1916) = *Platycrinites* s.s. *wachsmuthi*

*Pleurocrinus wachsmuthi apnaensis* (Wanner, 1937) = *Platycrinites* s.s. *wachsmuthi apnaensis*

*Pleurocrinus wachsmuthi frequentior* Wanner, 1937 = *Platycrinites* s.s. *wachsmuthi frequentior*

*Pleurocrinus wachsmuthi typicus* Wanner, 1916 = *Pleurocrinus wachsmuthi*

*Pleurocrinus wanneri* Wright, J., 1938a, p. 284, Pl. 9, fig. 11. Bassler and Moodey, 1943, p. 636. Wright, J., 1956b, p. 301, Pl. 73, figs. 12, 29-30. Webster, 1973, p. 219. Ausich and Kammer, 2009, p. 708.

Mississippian, Viséan, C<sub>2</sub>, Mountain Limestone. United Kingdom

*Pleurocrinus westheadi* (Wright, 1942) = *Elegantocrinus westheadi*

*Pleurocrinus* sp. (ex. gr. *coplowensis* Wright, 1938). Breimer, 1962a, p. 133, Pl. 14, figs. 1-4. Webster, 1973, p. 219.

Devonian or Mississippian. Spain, locality unknown

*Pleurocrinus* sp. Brower, 1970, p. 532, Pl. 66, fig. 1; Fig. 86, no. I. Webster, 1977, p. 142.

Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member. United States, Arizona

*Pleurocrinus* spp.

*Platycrinites* cf. *expansus* (M'Coy, 1844). Webster, 1973, p. 212. Bowsher and Strimple, 1986, p. 8, Fig. 6, nos. a-f. Webster, 1993, p. 94. Termier and Termier, 1950. Ausich and Kammer, 2009, p. 709, incorrectly cited as *Pleurocrinus* cf. *expansus*.

*Platycrinus* cf. *expansus* M'Coy, 1844. Termier, G. and Termier, H., 1950, p. 86, Pl. 212, figs. 1-6. Webster, 1973, p. 212.

Pennsylvanian, Westphalian. Algeria

*Platycrinites* sp. Termier, G. and Termier, H., 1950. Ausich and Kammer, 2009,



709.

Mississippian, upper Viséan. Algeria

*Pleurocrinus?* sp. Webster, 1987 = *Neoplatycrinus callytharraensis***PLEUROPTYX** Widdison in Donovan et al., 2010. \**Apiocrinites?* *punctatus* Hisinger, 1828.

Sbc. Cladida, O. Cyathocrinida, F. Crotalocrinitidae

Widdison in Donovan et al., 2010. p. 72.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Wenlockian species

Silurian, Wenlockian. Sweden, United Kingdom

\**Pleuroptyx punctatus* (Hisinger, 1828). Widdison in Donovan et al., 2010, p. 73, Pl. 18, figs. 1-2; Fig. 29.*Apiocrinites?* Hisinger, 1827, p. 217, Pl. 7, fig. 1. Widdison in Donovan et al., 2010, p. 73.*Apiocrinites?* *punctatus* Hisinger, 1828, p. 123. Hisinger, 1837, p. 89, Pl. 25, fig. 2. Dujardin and Hupé, 1862, p. 134. Quenstedt, 1885, p. 943, Pl. 75, fig. 6. Widdison in Donovan et al., 2010, p. 73.*Millericrinus punctatus* (Hisinger, 1828). d'Orbigny, 1841, p. 94, Pl. 16, fig. 30. d'Orbigny, 1858, p. 94, Pl. 16, fig. 30. Bassler and Moodey, 1943, p. 446. Widdison in Donovan et al., 2010, p. 73.*Enallocrinus punctatus* (Hisinger, 1828). d'Orbigny, 1850, p. 46. Murchison, 1854, p. 218. Morris, 1858, p. 16. Murchison, 1859, p. 247. Salter, 1859, p. 535. Murchison, 1867, p. 223, 512. Bigsby, 1868, p. 19. Murchison, 1873, p. 223, 512.

Bassler and Moodey, 1943, p. 446. Widdison in Donovan et al., 2010, p. 73.

*Cyathocrinus punctatus* (Hisinger, 1828). Salter, 1873, p. 125. Widdison in Donovan et al., 2010, p. 73.*Enallocrinus scriptus* (Hisinger, 1828). Angelin, 1878, p. 25, Pls. 7, figs. 1, 3; 9, figs. 18-19; 25, figs. 1i-7; 27, fig. 18 only. Wachsmuth and Springer, 1889, p. 388, Pl. 20, figs. 5a-5b, 6a-6b. Bather, 1900, Fig. 92.1-2. Donovan et al., 2008, p. 43, fig. 9, no. A. Widdison in Donovan et al., 2010, p. 73.*Apiocrinites scriptus* (Hisinger, 1828). Quenstedt, 1885, p. 943. Widdison in Donovan et al., 2010, p. 73.*Anthocrinus punctatus* (Hisinger, 1828). Quenstedt, 1885, p. 943. Widdison in Donovan et al., 2010, p. 73.*Anthocrinus scriptus* (Hisinger, 1828). Quenstedt, 1885, Pl. 75, fig. 7. Widdison in Donovan et al., 2010, p. 73.*Enallocrinus* (sic) *punctatus* Hisinger, 1828. Etheridge, 1888, p. 28. Widdison in Donovan et al., 2010, p. 73.Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom, Dudley  
Silurian, Wenlockian, Klinteberg Beds. Sweden, Gotland**PLICODENDROCRINUS** Brower, 1995. \**Dendrocrinus casei* Meek, 1871.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Dendrocrinidae

Brower, 1995b, p. 939. Ausich, 1998b, p. 34. Jell, 1999a, p. 81. Donovan et al., 2010, p. 87.

Named, currently recognized species based on cups or crowns: 9 species. 7 Ordovician, 6 Katian; 1 Katian – Hirnantian; 1 Silurian, Wenlockian or Ludlovian; 1 Devonian, Lochkovian

Ordovician, Katian; - Hirnantian. United States

Ordovician, Hirnantian. United Kingdom, Scotland

Ordovician, Katian. United Kingdom, Scotland; Canada

Silurian, Wenlockian or Ludlovian. United Kingdom

Devonian, late Lochkovian. Australia, Victoria

*Plicodendrocrinus australis* Jell, 1999a, p. 81, Figs. 65, nos. B-E; 66, no. B. Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

*Plicodendrocrinus brevis* Ramsbottom in Donovan et al., 2010, p. 87, Pl. 21, fig. 2. *Dendrocrinus* sp. nov. Donovan et al., 2007, p. 46. Donovan et al., 2010, p. 87. Silurian, Wenlockian or Ludlovian, formation uncertain. United Kingdom, Staffordshire

\**Plicodendrocrinus casei* (Meek, 1871). Brower, 1995b, p. 945, Figs. 4-5. Ausich, 1996b, p. 244, Fig. 17-3, nos. 7-8.

*Pentacrinite* Christy, 1848, not paged, Pl. 2. Bassler, 1915, p. 395. Brower, 1995b, p. 945.

*Dendrocrinus casei* Meek, 1871b, p. 295. Wachsmuth and Springer, 1891, p. 392, Pl. 9, fig. 12. Bather, 1899a, p. 35, Fig. 13. Bather *in* Lankester, 1900, p. 120, Fig. 26, no. 3. Cumings, 1908, p. 717, Pl. 4, figs. 2-2b. Grabau and Shimer, 1910, p. 505. Bassler, 1915, p. 395. Bassler and Moodey, 1943, p. 414. Brower, 1973, p. 455, Pl. 77, figs. 1-2, 4. Webster, 1977, p. 67. Brower, 1995b, p. 945.

*Poteriocrinites (Dendrocrinus) casei* Meek, 1873a, p. 28, Pl. 3, figs. 2a-2c. Lesley, 1889, p. 739, Figs. 2a-2c. Bassler, 1915, p. 396. Bassler and Moodey, 1943, p. 414. Brower, 1995b, p. 945.

*Poteriocrinites (Dendrocrinus) caseyi* (Meek, 1871). Lesley, 1889. Brower, 1995b, p. 945.

*Dendrocrinus casii* Meek, 1871. Miller, S. A., 1889, p. 238. Brower, 1995b, p. 945.

*Dendrocrinus kayi* Slocom, 1924, p. 335, Pl. 29, figs. 1-4. Bassler and Moodey, 1943, p. 415. Brower, 1995b, p. 945.

*Dendrocrinus kayi* Thomas and Ladd, 1926 (*non* Slocom, 1924), Pl. 3, fig. 221. Brower, 1973, p. 452. Webster, 1977, p. 67.

Ordovician, Katian - Hirnantian, Maquoketa Formation, Fort Atkinson Member, Brainard Member, Liberty or Whitewater Formation; Waynesville Limestone; Girardeau Limestone. United States, Indiana, Ohio, Iowa

*Plicodendrocrinus collapsus* (Donovan, 1992). Brower, 1995b, p. 941. Ordovician, Katian (Ashgillian). United Kingdom, Scotland

*Plicodendrocrinus epinettensis* Ausich and Copper, 2010, p. 44, Pl. 8, figs. 8, 11; Fig. 9.6.

Ordovician, Katian, Vauréal Formation, Easton Member. Canada, Quebec, Anticosti Island

*Plicodendrocrinus granditubus* (Ramsbottom, 1961). Brower, 1995b, p. 941.  
Ordovician, Katian (Ashgillian). United Kingdom, Scotland

*Plicodendrocrinus observationensis* Ausich and Copper, 2010, p. 43, Pl. 8, figs. 4, 7;  
Figs. 9.8-9.9.  
Ordovician, Katian, Vauréal Formation, Easton and Tower Members. Canada,  
Quebec, Anticosti Island

*Plicodendrocrinus proboscidiatus* (E. Billings, 1857). Brower, 1995b, p. 941, Figs. 1; 2,  
nos. 3-8; 3. Sloan, 2005, p. 153, Fig. 4-61, no. 11.  
*Dendrocrinus proboscidiatus* Billings, E., 1857a, p. 267. Billings, E., 1859a, p. 38, Pl.  
3, figs. 3a-3c. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Billings, W. R., 1887,  
p. 53, Unnum. Pl. fig. Miller, S. A., 1889, p. 239. Bassler, 1915, p. 397. Bassler  
and Moodey, 1943, p. 415. Wilson, A. E., 1946, p. 37. Brower, 1995b, p. 941.  
*non Dendrocrinus proboscidiatus* W. R. Billings, 1887, p. 53. Bassler, 1915,  
Wilson, 1946, Webster, 1973. Brower, 1995b, p. 941.  
Ordovician, Katian, Galena Group, Dunleith Formation, Rivoli Member,  
Sherwood Member; Wise Lake Formation, Sinsinawa Member; Cobourg Beds;  
Hull Limestone; Cobourg Limestone; upper part of Trenton Limestone. Canada,  
Ontario, Quebec; United States, Minnesota

*Plicodendrocrinus rugocyathus* (Ramsbottom, 1961). Brower, 1995b, p. 941.  
Ordovician, Katian (Ashgillian). United Kingdom

**PLUMMERICRINUS** Moore and Laudon, 1943. \**Pachylocrinus mcguirei* Moore, 1939.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Pachylocrinidae  
Moore and Laudon, 1943b, p. 56. Moore and Laudon, 1944, p. 161. Branson, C. C.,  
1948, p. 209. Arendt and Hecker, 1964, p. 88. Strimple and Moore, 1971a, p. 16.  
Strimple and Moore, 1971b, p. 9. Moore and Strimple, 1973, p. 50. Webster,  
1973, p. 219. Webster, 1977, p. 142. Moore, Strimple, and Lane *in* Moore and  
Teichert, 1978, p. T671. Pabian and Strimple, 1980a, p. 166. Webster, 1986, p.  
259. Webster and Maples, 2006, p. 192, Fig. 2, no. D.  
Named, currently recognized species based on cups or crowns: 13 species. 1  
Mississippian, Serpukhovian; 9 Pennsylvanian, 1 Morrowan, 1 Desmoinesian, 6  
Missourian, 1 Virgilian; 3 Permian, 2 Artinskian, 1 Wolfcampian  
Mississippian, Serpukhovian (Chesterian) - Permian, Wolfcampian. United States

*Plummericrinus bellirugosus* (Moore, 1939) = *Microcaracrinus bellirugosus*

*Plummericrinus braggisi* Strimple, 1951 = *Anobasicrinus braggisi*

*Plummericrinus? bulbosus* Webster and Lane, 2007, p. 959, Fig. 4, nos. 2-3.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada

- Plummericrinus colubrosus* (Moore, 1939) = *Microcaracrinus colubrosus*
- Plummericrinus emilyae* Burke, 1968, p. 10, Fig. 3. Webster, 1973, p. 219.  
Pennsylvanian, Missourian, Ames Limestone. United States, Ohio
- Plummericrinus erectus* Strimple, 1954 = *Anobasicrinus perplexus*
- Plummericrinus expansus* Moore and Strimple, 1973, p. 50, Pl. 9, figs. 3a-3d.  
Webster, 1977, p. 143.  
Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma
- Plummericrinus granulosus* Strimple, 1954 = *Anobasicrinus granulosus*
- Plummericrinus jelli* Webster and Lane, 2007, p. 959, Fig. 4, no. 1.  
Permian, Artinskian, Bird Spring Formation. United States, Nevada
- Plummericrinus lutanus* (Boos, 1939). Moore and Laudon, 1943b, p. 58. Branson, C. C., 1948, p. 209. Webster, 1973, p. 219.  
*Erisocrinus lutana* Boos, 1939, p. 245, Pl. 27, figs. 2-2d. Bassler and Moodey, 1943, p. 582. Branson, C. C., 1948, p. 209.  
*Pachylocrinus lutanus* (Boos, 1939). Moore and Plummer, 1940, p. 152. Bassler and Moodey, 1943, p. 582. Moore and Laudon, 1943b, p. 58. Webster, 1973, p. 219.  
Permian, Wolfcampian, Winfield Limestone, Luta Limestone. United States, Kansas
- \**Plummericrinus mcguirei* (Moore, 1939). Moore and Laudon, 1943b, p. 58, Pl. 5, fig. 1. Moore and Laudon, 1944, p. 161, Pls. 62, fig. 29; 63, fig. 20. Webster, 1973, p. 219. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671, Fig. 442, nos. 1a-1d. Webster, 1986, p. 259.  
*Pachylocrinus mcguirei* Moore, 1939c, p. 205, Pl. 6, figs. 6-16: Fig. 5, nos. a-m. Bassler and Moodey, 1943, p. 582. Moore and Laudon, 1943b, p. 58. Webster, 1973, p. 219.  
Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma
- Plummericrinus monongaliensis* Burke, 1968, p. 2, Fig. 1. Webster, 1973, p. 219.  
Pennsylvanian, Missourian, Brush Creek Limestone?. United States, West Virginia
- Plummericrinus nettingi* Burke, 1968, p. 7, fig. 2. Webster, 1973, p. 219. Pabian and Strimple, 1980a, p. 167, Fig. 6, nos. A-C. Webster, 1986, p. 259.  
Pennsylvanian, Missourian, Cambridge Limestone. United States, Pennsylvania
- Plummericrinus ogarai* (Moore and Plummer, 1940). Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 161, Pls. 62, fig. 35; 63, fig. 19. Webster, 1973, p. 219.

*Pachylocrinus ogarai* Moore and Plummer, 1940, p. 140, Pls. 4, fig. 7; 19, fig. 3; Figs. 20-21. Bassler and Moodey, 1943, p. 583. Moore and Laudon, 1943b, p. 58. Webster, 1973, p. 219.

Pennsylvanian, Missourian, Graford Formation. United States, Texas

*Plummericrinus* cf. *P. ogarai* (Moore and Plummer, 1940). Branisa, 1965, Pl. 55, figs. 3-5. Webster, 1977, p. 143.

Permian, Artinskian, Copacabana Group. Bolivia

*Plummericrinus pittsburghensis* Burke, 1968, p. 15, Fig. 4. Webster, 1973, p. 219.

Pennsylvanian, Missourian, Ames Limestone. United States, Pennsylvania

*Plummericrinus retorridus* Webster and Lane, 1970, p. 282, Pl. 55, figs. 20-21, 26. Webster, 1977, p. 143.

Mississippian, Serpukhovian (Chesterian), Indian Springs Formation. United States, Nevada

*Plummericrinus striatus* Strimple, 1954a, p. 204, Pl. 23, figs. 1-2, 8. Strimple and Moore, 1971b, p. 9, Figs. 3, nos. 2-4; 4, no. 2; 8, no. 2. Webster, 1973, p. 219.

Webster, 1977, p. 143. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T671, Fig. 442, no. 1e. Webster, 1986, p. 259.

Pennsylvanian, Missourian, Francis Formation. United States, Oklahoma

*Plummericrinus twenhofeli* (Moore, 1939) = *Microcaracrinus twenhofeli*

*Plummericrinus uddeni* (Moore and Plummer, 1940). Moore, Strimple, and Lane in

Moore and Teichert, 1978, p. T671, Fig. 442, nos. 1f-1g. Webster, 1986, p. 259. Pennsylvanian, Desmoinesian, Mineral Wells Formation. United States, Texas

*Plummericrinus* sp. Strimple, 1954a, p. 207, Pl. 23, figs. 3-5. Webster, 1973, p. 219.

Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Podolithus strophocrinus* Sardeson, 1908 = *Carabocrinus dicyclicus*

**POGOCRINUS** Kelly and Ausich, 1978 = **POGONIPOCRINUS**

*Pogocrinus antiquus* Kelly and Ausich, 1978 = *\*Pogonipocrinus antiquus*

**POGONIPOCRINUS** Kelly and Ausich, 1979. *\*Pogocrinus antiquus* Kelly and Ausich, 1978.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Kelly and Ausich, 1979, p. 1433. Webster, 1986, p. 259. Broadhead, 1987, p. 177. Webster, 1993, p. 96. Ausich, 1998b, p. 36.

**POGOCRINUS** Kelly and Ausich, 1978, p. 916. *\*P. antiquus* Kelly and Ausich, 1978. Kelly and Ausich, 1979, p. 1433. Webster, 1986, p. 259. Rozhnov, 1988, p. 68. Rozhnov, 1989, p. 63. Webster, 1993, p. 96.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Ordovician, Floian (Canadian). United States, Utah

\**Pogonipocrinus antiquus* (Kelly and Ausich, 1978). Kelly and Ausich, 1979, p. 1433. Donovan, 1988c, p. 237. Webster, 1993, p. 97.

*Pogocrinus antiquus* Kelly and Ausich, 1978, p. 918, Figs. 1-3. Webster, 1986, p. 259.

Unidentified Heterocrinoidea Church, 1974, p. 59, Fig. 5. Webster, 1986, p. 259.

Ordovician, Floian (Canadian), Pogonip Group, Fillmore Formation. United States, Utah

**POLUSOCRINUS** Strimple, 1951. \**P. avanti* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Aesiocrinidae

Strimple, 1951c, p. 24. Arendt and Hecker, 1964, p. 89. Strimple and Watkins, 1969, p. 185. Strimple, and Moore, 1971a, p. 28. Webster, 1973, p. 220.

Webster, 1977, p. 143. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676. Webster, 1986, p. 259. Pabian and Rushlau, 2002, p. 34.

Named, currently recognized species based on cups or crowns: 7 species. 6

Pennsylvanian, 1 Morrowan, 1 Desmoinesian – Missourian, 3 Missourian, 1 Virgilian; 1 Permian, Wolfcampian

Pennsylvanian, Morrowan - Permian, middle Wolfcampian. United States

*Polusocrinus amplus* (Lane and Webster, 1966). Webster and Lane, 1967, p. 31, Pl. 5, fig. 11. Webster, 1973, p. 220. Pabian and Rushlau, 2002, p. 34 (misspelled as *P. ampulus*). Webster and Lane, 2007, p. 961, Fig. 4, no. 6.

*Aesiocrinus amplus* Lane and Webster, 1966, p. 55, Pl. 5, figs. 2, 4-5. Webster and Lane, 1967, p. 31.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

\**Polusocrinus avanti* Strimple, 1951c, p. 24, Pl. 5, figs. 4-6. Strimple, 1961g, p. 102, Pl. 16, fig. 1. Strimple, and Moore, 1971a, p. 29, Pl. 6, fig. 2. Webster, 1973, p. 220. Webster, 1977, p. 143. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676, Fig. 444, no. 2. Webster, 1986, p. 260. Pabian and Rushlau, 2002, p. 34.

Pennsylvanian, Desmoinesian - Missourian, Holdenville Shale; Avant Limestone; Bond Formation, LaSalle Limestone Member. United States, Oklahoma, Illinois

*Polusocrinus calyculoides* Lane, N. G., 1964b, p. 682, Pl. 112, figs. 1-3. Webster, 1973, p. 220. Etensohn, 1980, p. 995, Fig. 3. Webster, 1986, p. 260. Pabian and

Rushlau, 2002, p. 34 (incorrectly cited as from California).

*Paragassizocrinus calyculoides* (Lane, 1964). Webster and Lane, 1970, p. 292, Pl. 55, figs. 1-4, 6-13, 15-17, 24-25, 27-29. Webster, 1977, p. 124.

*Polusocrinus pachyplax* Lane, N. G., 1964b, p. 682, Pl. 112, figs. 4-10; Fig. 1.

Webster and Lane, 1970, p. 292. Webster, 1973, p. 220. Webster, 1977, p. 124. Pabian and Rushlau, 2002, p. 34 (incorrectly cited as from California).

*Globocrinus bulbosus* Washburn, 1968, p. 122, Pl. 2, figs. 1-6. Webster and Lane, 1970, p. 292. Webster, 1973, p. 138. Webster, 1977, p. 124.  
Pennsylvanian, Morrowan, Callville Limestone; Oquirrh Formation, Bridel Veil Falls Member. United States, Nevada, Utah

*Polusocrinus elenae* (Yakovlev, 1930) = *Belashovicrinus elenae*

*Polusocrinus ochelataensis* Strimple, 1952a, p. 12, Figs. 1-8. Webster, 1973, p. 220.  
Pabian and Rushlau, 2002, p. 34.  
Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma

*Polusocrinus pachyplax* Lane, 1964 = *Polusocrinus calyculoides*

*Polusocrinus rosa* Strimple, 1951c, p. 25, Pl. 5, fig. 11. Webster, 1973, p. 220. Pabian and Strimple, 1980b, p. 16, Pl. 5, figs. 4-6. Webster, 1986, p. 260. Pabian and Rushlau, 2002, p. 34, Fig. 10, nos. 4-9.  
Pennsylvanian, Virgilian, Negaloney Formation; Lecompton Formation, Beil Limestone Member. United States, Oklahoma, Nebraska

*Polusocrinus tactilis* (Strimple, 1951). Strimple, 1961g, p. 102. Webster, 1973, p. 220.  
Pabian and Rushlau, 2002, p. 34.  
*Aesiocrinus tactilis* Strimple, 1951b, p. 375, Pl. 56, figs. 5-7. Strimple, 1961g, p. 102.  
Webster, 1973, p. 220.  
Pennsylvanian, Missourian, Raytown Limestone. United States, Oklahoma

*Polusocrinus wellsburgensis* Burke, 1971b, p. 219, Figs. 1-3. Webster, 1977, p. 143.  
Pennsylvanian, Missourian, Ames Limestone. United States, Virginia

*Polusocrinus* sp. Wolf, 1983, p. 89, Pl. 24, fig. 5.  
Pennsylvanian, Missourian, Cherryvale Formation, Winterset Member: Iowa

**POLYCERUS** Fischer de Waldheim, 1811. \**P. stoloniferus* Fischer de Waldheim, 1811.

Classification uncertain, Cladid?

Fischer de Waldheim, 1811, p. 28. Bather *in* Lankester, 1900, p. 182. Bassler, 1938, p. 155 (pentagonal plates; probably not Paleozoic). Bassler and Moodey, 1943, p. 636. Moore and Laudon, 1943b, p. 104 (plates) (Carboniferous). Webster, 1973, p. 275. Rasmussen *in* Moore and Teichert, 1978, p. T862 (non Paleozoic)

Named, currently recognized species based on cups or crowns: 1 Carboniferous? species, series uncertain

Carboniferous?. Russia, Moscow Basin

\**Polycerus stoloniferus* Fischer de Waldheim, 1811, p. 29, Pl. 1, fig. 8. Fischer de Waldheim, 1830, Pls. 40, fig. 15; 41, figs. 1-4 (Two or more genera in these figures, GDW). Bassler, 1938, p. 155. Bassler and Moodey, 1943, p. 636.  
Carboniferous?. Russia, Moscow Basin

**POLYCRINUS** Jaekel, 1918. \**P. ramulatus* Jaekel, 1918.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinoidea, F.  
Merocrinidae

Jaekel, 1918, p. 55. Bassler, 1938, p. 156. Bassler and Moodey, 1943, p. 636.  
Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 220. Moore and Lane *in*  
Moore and Teichert, 1978, p. T625. Prokop, 1984, p. 182. Webster, 1986, p.  
260. Webster, 1988, p. 136. Webster, 1993, p. 97. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: species. 2  
Ordovician, Katian species

Ordovician, Katian (Caradocian – Ashgillian). Czech Republic, Bohemia

*Polycrinus kosoviensis* Jaekel, 1918, p. 55, Fig. 47. Bassler and Moodey, 1943, p.  
636. Moore and Lane *in* Moore and Teichert, 1978, p. T625, Fig. 407, no. 2b.  
Prokop, 1984, p. 183, Pl. 2, figs. 1-2. Webster, 1986, p. 260. Webster, 1988, p.  
136. Prokop and Petr, 1990, p. 30. Webster, 1993, p. 97.

Ordovician, Katian (Ashgillian), Kraluv Dvur Formation. Czech Republic,  
Bohemia

\**Polycrinus ramulatus* Jaekel, 1918, p. 55, Fig. 46. Bassler, 1938, p. 156. Bassler  
and Moodey, 1943, p. 636. Moore and Lane *in* Moore and Teichert, 1978, p.  
T625, Fig. 407, no. 2a. Prokop, 1984, p. 182, Pl. 1. Webster, 1986, p. 260.  
Webster, 1988, p. 136.

Ordovician, Katian (Caradocian), Zahorany Formation. Czech Republic,  
Bohemia

**POLYGONAL** Moore, 1939b, p.229.

Named, currently recognized species based on cup or crown plates: 3 species.  
1. Pennsylvanian, Missourian; 2 Permian, Wolfcampian.

Pennsylvanian, Missourian; Permian, Wolfcampian. United States, Kansas, Iowa

*Polygonal hexagona* Byrne and Seeberger, 1942, p. 225, Pl. 1, figs. 16-17 (basal).  
Webster, 1973, p. 275.

Permian, Wolfcampian, Florena Shale to Grant Shale. United States, Kansas

*Polygonal pentagona* Byrne and Seeberger, 1942, p. 224, Pl. 1, figs. 12-13 (basal).  
Webster, 1973, p. 275.

Permian, Wolfcampian, Hughes Creek Shale to Grant Shale. United States,  
Kansas

*Polygonal tenuirugosus* (Moore, 1939). Moore and Laudon, 1944, p. 209, Pl. 79, fig.  
22 (basal). Webster, 1973, p. 275.

Pennsylvanian, Missourian, Missouri Formation. United States, Iowa

*Polygonal* Moore, 1939b, p. 231, Fig. 11, no. 2 (basal).

Permian, series uncertain. West Timor

*Polygonal* Moore, 1939b, p. 231, Fig. 11, no. 6 (basal).

Permian, series uncertain. West Timor



Polygonal Moore, 1939 = *Eupachyrcrinus* sp. Girty, 1915

**POLYGONOCRINUS** Strimple, 1961. \**P. multiextensus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Strimple, 1961g, p. 59. Knapp, 1969, p. 372. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 220. Webster, 1977, p. 143.

Moore and Strimple *in* Moore and Teichert, 1978, p. T731. Webster, 1986, p. 260.

Named, currently recognized species based on cups or crowns: species. 3

Pennsylvanian species, 2 Desmoinesian, 1 Missourian

Pennsylvanian, Desmoinesian - Missourian. United States

*Polygonocrinus libratus* Strimple and Watkins, 1969, p. 214, Pls. 33, figs. 1-2; 56, fig. 7. Webster, 1977, p. 144.

Pennsylvanian, Desmoinesian, Brannon Bridge Limestone. United States, Texas

\**Polygonocrinus multiextensus* Strimple, 1961g, p. 61, Pls. 2, fig. 6; 11, figs. 1-2.

Knapp, 1969, p. 372. Webster, 1973, p. 220. Webster, 1977, p. 144. Moore and Strimple *in* Moore and Teichert, 1978, p. T731, Fig. 483, no. 2. Webster, 1986, p. 260.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Polygonocrinus spiniferus* Strimple and Moore, 1971a, p. 19, Pl. 5, figs. 2a-2b.

Webster, 1977, p. 144.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Polygonocrinus?* sp. Strimple, and Watkins, 1969, p. 214, Pl. 52, fig. 3. Webster, 1977, p. 144.

Pennsylvanian, Desmoinesian. United States, Texas

**POLYPELTES** Angelin, 1878. \**P. granulatus* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Polypeltidae

Angelin, 1878, p. 27. Zittel, 1880, p. 345, 373. Zittel, 1895, p. 132. Bassler, 1938, p. 156. Ubaghs, 1953, p. 742. Webster, 1973, p. 220. Ubaghs *in* Moore and Teichert, 1978, p. T500. Webster, 1986, p. 260.

Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species

Silurian, Wenlockian. Sweden

**POLYPELTES** Wachsmuth and Springer, 1885 = **CLONOCRINUS**

\**Polypeltes granulatus* Angelin, 1878, p. 27, Pl. 24, figs. 2-3. Bassler, 1938, p. 156.

Bassler and Moodey, 1943, p. 367. Ubaghs, 1956, p. 554, Pls. 1-4; Figs. 1-2, 5-

6. Webster, 1973, p. 220. Ubaghs *in* Moore and Teichert, 1978, p. T159, T500, Figs. 131, no. 5; 159; 303, no. 1.  
*Clonocrinus granulatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 367.  
 Silurian, Wenlockian. Sweden, Isle of Gotland
- Polypeltid indet. Jell *et al.*, 1988, p. 379, Figs. 19, no. P; 20. Webster, 1993, p. 97.  
 Devonian, Pragian, Garra Formation. Australia, New South Wales
- Polypeltidae gen. et sp. ind. Prokop and Petr, 1990, p. 15. Webster, 1993, p. 185.  
 Devonian, early Emsian, Zlichov Formation. Czech Republic, Bohemia
- POLYPOROCRINUS** Dubatolova, 1971.  $\emptyset$  \**P. octoforabilis* Dubatolova, 1971.  
 Classification uncertain  
 Jeffords *in* Moore and Teichert, 1978, p. T935. Webster, 1993, p. 97.  
 Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species  
 Devonian, Eifelian. Russia
- Polyporocrinus multiformabilis* (Dubatolova, 1964). Zinevich, 1987, p. 132, Fig. 1.  
 Webster, 1993, p. 97.  
 Devonian, Eifelian. Russia
- POLYPTYCHELLA** Jaekel, 1918.  
 Jaekel, 1918, p. 27. Jeffords *in* Moore and Teichert, 1978, p. T935.  
 Named, currently recognized species based on cups or crowns: 1 Middle Ordovician species, series uncertain  
 Middle Ordovician. Estonia
- \**Polyptychella esthona* Jaekel, 1918, p. 27. Jeffords *in* Moore and Teichert, 1978, p. T935. (thecal plate, probably an eocrinoid)  
 Middle Ordovician. Estonia
- POLYTREMA** Rafinesque, 1819. \**P. obtusata* Rafinesque, 1819.  
 Classification uncertain  
 Rafinesque, 1819, p. 429. Bassler, 1938, p. 156. Bassler and Moodey, 1943, p. 636 (not recognizable). Moore and Teichert, 1978, p. T928.
- \**Polytrema obtusata* Rafinesque, 1819, p. 429. Bassler, 1938, p. 156 (not recognizable).
- PONTOTOCRINUS** Knapp, 1969 = **ERISOCRINUS**
- Pontotocrinus coloradoensis* Strimple, 1975 = *Erisocrinus coloradoensis*
- Pontotocrinus wapanucka* (Strimple, 1961), Knapp, 1969 = *Erisocrinus wapanucka*
- POROCRINUS** Billings, 1857. \**P. conicus* Billings, 1857.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Porocrinidae  
 Billings, E., 1857a, p. 279. Billings, E., 1859a, p. 53. Meek and Worthen, 1865b, p. 145. Shumard, 1868, p. 391. Bigsby, 1868, p. 23. Zittel, 1879, p. 420. Miller, S. A., 1889, p. 273. Zittel, 1895, p. 155. Bather *in* Lankester, 1900, p. 172. Steinmann, 1903, p. 180. Steinmann, 1907, p. 201. Springer *in* Zittel, 1913, p. 217. Bassler, 1915, 1023. Abel, 1920, p. 265, Fig. 412. Slocum, 1924, p. 332. Abel, 1924, p. 277, Fig. 412, no. D and unnum. lower. Bassler, 1938, p. 156. Bassler and Moodey, 1943, p. 636. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 153, Pl. 52, fig. 22. Cuénot, 1948, p. 60. Ubaghs, 1953, p. 750, Fig. 33, no. b. Ramsbottom, 1961, p. 16, Fig. 6. Xu, 1962, p. 45, Fig. 1. Webster, 1973, p. 220. Kolata, 1975, p. 28. Webster, 1977, p. 144. Ubaghs *in* Moore and Teichert, 1978, p. T212, Figs. 180, nos.3-5; 182, no. 1. Lane and Moore *in*

Moore

and Teichert, 1978, p. T589. Sprinkle, 1982, p. 162. Webster, 1986, p. 261. Webster, 1988, p. 136. Donovan, Paul, and Lewis, 1996, p. 210. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 14 Ordovician species, 3 Sandbian, 1 Sandbian – Katian, 10 Katian  
 Ordovician, Sandbian – Katian (Champlainian – Cincinnati). North America  
 Ordovician, Katian (Ashgillian). United Kingdom

*Porocrinus bromidensis* Sprinkle, 1982, p. 163, Pl. 15, figs. 1-25; Fig. 48. Webster, 1988, p. 136.

Ordovician, Sandbian (early Champlainian), Bromide Formation, Pooleville Member. United States, Oklahoma

\**Porocrinus conicus* Billings, E., 1857a, p. 279. Billings, E., 1859a, p. 34, Pl. 2, figs. 5a-5d. Shumard, 1868, p. 391. Bigsby, 1868, p. 23. Quenstedt, 1885, p. 954, Pl. 76, fig. 27. Miller, S. A., 1889, p. 273, Fig. 400. Zittel, 1895, p. 155, Fig. 304, no. a. Steinmann, 1903, p. 180, Fig. 250, nos. A-B. Steinmann, 1907, p. 201, Fig. 285, nos. A-B. Gurich, 1908, p. 44, Pl. 13, fig. 1. Bassler, 1915, 1024. Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 637. Moore and Laudon, 1943b, p. 131, Pl.

2, fig. 7. Moore and Laudon, 1944, p. 153, Pl. 53, fig. 13. Wilson, A. E., 1946, p. 39. Kesling and Paul, 1968, p. 26, Pls. 6, figs. 1-5; 7, figs. 1-5; Figs. 11-12. Webster, 1973, p. 220. Lane and Moore *in* Moore and Teichert, 1978, p. T589, Figs. 377, no. 3; 379, no. 2. Webster, 1986, p. 261.

Ordovician, Katian (late Champlainian), Hull Limestone; Trenton Limestone; Cobourg Limestone. Canada, Ontario

*Porocrinus crassus* Meek and Worthen, 1865b, p. 145. Shumard, 1868, p. 391. Bigsby, 1868, p. 23. Meek and Worthen, 1869, p. 330, Pl. 4, figs. 2a-2b; Figs. A-B. Miller, S. A., 1889, p. 273, Figs. 401-402. Bassler, 1915, 1024. Bassler and Moodey, 1943, p. 637.

Ordovician, Katian (late Cincinnati), Maquoketa Shale. United States, Illinois

- Porocrinus elegans* Kesling and Paul, 1968, p. 25, Pls. 3, figs. 1-8; 4, figs. 7-9; Fig. 9. Kesling, 1972a, p. 4. Webster, 1973, p. 221. Paul, 1975, p. 16, Fig. 1, no. C. Webster, 1977, p. 144. Webster, 1986, p. 261.  
Ordovician, Katian (late Champlainian), Trenton Group, Galena Dolomite. United States, Minnesota
- Porocrinus fayettensis* Slocum, 1924, p. 333, Pls. 29, figs. 14-22; 30, fig. 14. Thomas and Ladd, 1926, p. 15, Pls. 2, figs. 9-16; 4, fig. 8; 5, figs. 6-7. Bassler and Moodey, 1943, p. 637. Kesling and Paul, 1968, p. 31, Pls. 4, figs. 5-6; 8, figs. 1-8; Figs. 2, 13. Webster, 1973, p. 221. Paul, 1975, p. 16, Fig. 1, no. D. Webster, 1986, p. 261.  
Ordovician, Katian (late Cincinnati), Maquoketa Shale; Elgin Shale; Ft. Atkinson Limestone. United States, Iowa
- Porocrinus kentuckiensis* Miller and Gurley, 1894b, p. 24, Pl. 2, fig. 10. Miller, S. A., 1897, p. 751, Figs. 1380. Bassler, 1915, 1024. Bassler and Moodey, 1943, p. 637.  
Ordovician, Katian (late Champlainian), Curdsville Limestone. United States, Kentucky
- Porocrinus lebanonensis* Guensburg, 1984, p. 54, Pls. 10, figs. 19, 23; 11, figs. 3-5. Webster, 1988, p. 136.  
Ordovician, Sandbian (middle Champlainian), Lebanon Limestone. United States, Tennessee
- Porocrinus pentagonius* Meek and Worthen, 1865b, p. 146. Meek and Worthen, 1868c, p. 332, Pl. 1, fig. 5. Bassler, 1915, 1024. Bassler and Moodey, 1943, p. 637. Kolata, 1975, p. 28, Pl. 4, figs. 1-3. Webster, 1986, p. 261. Brower, 2007a, p. 109, Figs. 3, nos. 1, 2; 4; 6, nos. 1, 2.  
*Porocrinus pentagonus* Meek and Worthen, 1865. Shumard, 1868, p. 391. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 273.  
Ordovician, Sandbian (early Champlainian), Platteville Limestone; Grand Detour Formation, Walgreen and Forreston Members; Mifflin Formation. United States, Illinois, Iowa
- Porocrinus pentagonus* Meek and Worthen, 1865 = *Porocrinus pentagonius*
- Porocrinus petersenae* Kesling, 1972a, p. 1, Pls. 1-2; Figs. 3-8. Webster, 1977, p. 144.  
Ordovician, Katian (late Champlainian), Kimmswick Limestone. United States, Missouri
- Porocrinus plattinensis* Shourd and Winter, 1976, p. 1191, Pl. 1, figs. 1-12; Fig. 1. Webster, 1986, p. 261.  
Ordovician, Katian (middle Champlainian), Plattin Formation. United States, Missouri
- Porocrinus pyramidatus* Kesling and Paul, 1968, p. 25, Pls. 5, figs. 1-6; 6, figs. 6-7; Fig. 10. Kesling, 1972a, p. 4. Webster, 1973, p. 221. Webster, 1977, p. 144.

Ordovician, Katian (late Cincinnati), Clermont Shale, Maquoketa Shale. United States, Iowa

*Porocrinus radiatus* (Angelin, 1878) = *Promelocrinus radiatus*

*Porocrinus radiatus* Beyrich, 1879 = *Perittocrinus radiatus*

*Porocrinus scoticus* Ramsbottom, 1961, p. 17, Pl. 5, fig. 8. Kesling, 1972a, p. 4. Webster, 1973, p. 221. Webster, 1977, p. 144. Donovan, Paul, and Lewis, 1996, p. 210, Pl. 40, fig. 3. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. k-l. Donovan, Sutton, and Sigwart, 2011, p. 459, Fig. 7 no. C

Ordovician, Katian (late Ashgillian), upper part of Drummuck Group, Lady Burn Starfish Beds. United Kingdom, Scotland

*Porocrinus shawi* Schuchert, 1900, p. 155, Pl. 12, figs. 1-3. Bassler, 1915, 1024. Bassler and Moodey, 1943, p. 637. Kesling and Paul, 1968, p. 31, Pl. 4, figs. 1-4; Fig. 14. Webster, 1973, p. 221. Ubaghs in Moore and Teichert, 1978, p. T212, Fig. 180, no. 1. Webster, 1986, p. 261.

Ordovician, Katian (late Champlainian), Trenton Limestone. Baffin Land

*Porocrinus smithi* Grant, J. A., 1881, p. 42, Unnum. Pl., figs. 1-8. Miller, S. A., 1889, p. 273. Bather in Lankester, 1900, p. 173, Fig. 86. Delage and Herouard, 1903, p. 380, Fig. 456. Hudson, 1915, p. 163, Pls. 1-2. Bassler, 1915, 1024. Bassler and Moodey, 1943, p. 637. Cuénot, 1948, p. 56, Fig. 71. Sloan, 2005, p. 153, Fig. 4-60, no. 10.

Ordovician, Sandbian – Katian (late Champlainian), Hull Limestone, Curdsville Limestone; Platteville Formation. Canada, Ontario; United States, Kentucky, Minnesota

*Porocrinus* sp. cf. *P. smithi* Grant, 1881. Kolata, 1975, p. 29, Pl. 4, figs. 5-6, 8. Webster, 1986, p. 261.

Ordovician, Sandbian (early Champlainian), Grand Detour Formation, Forreston Member. United States, Wisconsin, Illinois

*Porocrinus* sp. Guensburg and Sprinkle, 2009, p. 360, Fig. 10.12, 10.14.

Late Ordovician, locality not given

Possibly *Prolixocrinus* n. gen. Eckert and Brett, 2001 = Indeterminate flexible crinoid

Poteriocrine inadunate sp. A Ausich and Lane, 1982b, p. 1359, Pl. 2, figs. 13, 18. Webster, 1988, p. 136.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

Poteriocrine inadunate sp. B Ausich and Lane, 1982b, p. 1359, Pl. 2, figs. 14, 19. Webster, 1988, p. 136.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

- Poteriocrine inadunate sp. C Ausich and Lane, 1982b, p. 1359, Pl. 2, figs. 15, 20.  
Webster, 1988, p. 136.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Poteriocrine inadunate sp. D Ausich and Lane, 1982b, p. 1359, Pl. 2, figs. 16, 21.  
Webster, 1988, p. 136.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Poteriocrine inadunate sp. E Ausich and Lane, 1982b, p. 1359, Pl. 2, figs. 17, 22.  
Webster, 1988, p. 136.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Poteriocrine inadunate sp. F Ausich and Lane, 1982b, p. 1359, Pl. 2, fig. 28. Webster,  
1988, p. 136.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana
- Poteriocrine inadunates Meyer, Ausich, and Lane, 1989, p. 545, Fig. 9, nos. C, E.  
Webster, 1993, p. 97.  
Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky
- Poteriocrinid undet. Webster, 1997, p. 34, Pl. 6, fig. 3.  
Mississippian, middle Tournaisian, upper part of Chinese Wall Member,  
Henderson Canyon Formation. United States, Utah
- Poteriocrinida indet. Scheffler and Fernandes, 2007, p. 89, Fig. 5, nos. a-b.  
Devonian, Emsian? or Eifelian?, Ponta Grossa Formation. Brazil, Parana Basin
- Poteriocrinidae Yakovlev, 1949a, p. 265, Fig. 1, no. v. Yakovlev, 1956a, p. 86, Fig. 35,  
no. 3. Yakovlev, 1958, p. 72, Fig. 35, no. 3. Yakovlev, 1964a, p. 79, Fig. 37, no.  
3. Yakovlev, 1964b, p. 58, Fig. 66 (figure labeled *Moscovicrinus*). Webster, 1973,  
p. 275. (radial plate, GDW)  
Pennsylvanian, series not given. Russia
- Poteriocrinidae Gen. et spec. ind. 1 Wanner, 1916, p. 235, Pl. 114(19), fig. 10  
(primibrachial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. et spec. ind. 2 Wanner, 1916, p. 237, Pls. 109(14), figs. 8-9;  
114(19), figs. 11-12 (axillary brachial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. et spec. ind. 3 Wanner, 1916, p. 238, Pl. 114(19), figs. 13-14  
(axillary brachial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. et spec. ind. 4 Wanner, 1916, p. 239, Pl. 114(19), fig. 15 (axillary  
brachial).  
Permian, series uncertain. West Timor, Basleo

- Poteriocrinidae Gen. et spec. ind. 5 Wanner, 1916, p. 240, Pls. 109(14), fig. 10; 114(19), fig. 16 (axillary brachial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. et spec. nov. 1 Wanner, 1916, p. 241, Pl. 114(19), fig. 17 (axillary brachial).  
Permian, series uncertain. West Timor, Soefa
- Poteriocrinidae Gen. ind. et spec. nov. 2 Wanner, 1916, p. 242, Pl. 114(19), fig. 18 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 4 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. nov. et spec. nov. 1 Wanner, 1924b, p. 296, Pl. 19, figs. 18-19 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 3 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 6 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. et spec. nov. 3 Wanner, 1924b, p. 298, Pl. 19, figs. 9-10 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 9 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. et spec. nov. 4 Wanner, 1924b, p. 299, Pl. 19, figs. 11-15 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. et spec. nov. 5 Wanner, 1924b, p. 301, Pl. 20, figs. 26-28 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 5 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. et spec. nov. 6 Wanner, 1924b, p. 301, Pls. 19, fig. 23; 20, fig. 29 (radial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. et spec. ind. 3 Wanner, 1924b, p. 302, Pl. 19, figs. 20-22 (axillary primibrachial).  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinidae Gen. ind. (cf. *Synphocrinus*) et spec. ind. 6 Wanner, 1924b, p. 302, Pls. 13, figs. 10-11; 14, fig. 2 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, no. 8 (radial).  
Permian, series uncertain. West Timor, Basleo

Poteriocrinidae Gen. ind. (cf. *Synnyphocrinus*) et spec. ind. 7 Wanner, 1924b, p. 303, Pl. 14, figs. 3-4 (radial).

Permian, series uncertain. West Timor, Basleo

Poteriocrinidae Gen. et spec. ind. 8 Wanner, 1924b, p. 303, Pls. 14, figs. 7-9 (radial).  
Facetals Moore, 1939b, p. 218, Fig. 10, nos. 11 (radial).

Permian, series uncertain. West Timor, Basleo

Poteriocrinidae Gen. et spec. ind. 9 Wanner, 1924b, p. 304, Pls. 19, figs. 6-8 (radial).

Permian, series uncertain. West Timor, Basleo

Poteriocrinidae Gen. et spec. ind. 10 Wanner, 1924b, p. 306, Pl. 19, figs. 16-17 (radial).

Facetals Moore, 1939b, p. 218, Fig. 10, no. 7 (radial).

Facetals Moore, 1939b, p. 218, Fig. 10, no. 10 (radial).

Permian, series uncertain. West Timor, Basleo

Poteriocrinidae Gen. et spec. ind. 11 Wanner, 1924b, p. 306, Pl. 19, figs. 24-25 (partial arm set).

Permian, series uncertain. West Timor, Basleo

Poteriocrinidae gen. indet. et sp. nov. indet. Wanner, 1949a, p. 54, Pl. 3, fig. 31 (set of arms). Webster, 1973, p. 275.

Permian, series uncertain. West Timor

Poteriocrinidae sp. ind. Wanner, 1916 = *Synnyphocrinus indicus*

Poteriocrininid arms indet. #1 Webster and Jell, 1999a, p. 272, Fig. 20, no. A.

Arms of crinoid Etheridge *in* Jack and Etheridge, 1892, p. 210, Pl. 7, fig. 8 (labeled as crinoid calyx and arms on plate explanation). Webster and Jell, 1999a, p. 272.

Mississippian, Tournaisian, Rockhampton Group. Australia, Queensland  
(Originally reported from Gympie Beds [Permian])

Poteriocrininid arms indet. #2 Webster and Jell, 1999a, p. 272, Fig. 20, no. B.

Arms of crinoid Etheridge *in* Jack and Etheridge, 1892, p. 210, Pl. 7, fig. 8 (labeled as crinoid calyx and arms on plate explanation). Webster and Jell, 1999a, p. 272.

Mississippian, Tournaisian, Rockhampton Group. Australia, Queensland  
(Originally reported from Gympie Beds [Permian])

Poteriocrininid cup indet. Webster and Jell, 1999b, p. 272.

Crinoid allied to *Stemmatocrinus* Etheridge *in* Jack and Etheridge, 1892, p. 206, Pl. 44, fig. 7. Webster and Jell, 1999a, p. 272.

Mississippian, late Tournaisian, Malchi Formation (originally referred to Gympie Beds [Permian]). Australia, Queensland

**POTERIOCRINITES** Miller, 1821. \**P. crassus* Miller, 1821.



- Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Poteriocrinitidae  
 Miller, J. A., 1821, p. 14, 67. Bronn, 1825, p. 8. Fleming, 1828, p. 495. de  
 Blainville, 1834, p. 259, Pl. 29, fig. 1 (listed as Poteriocrinite épais on plate  
 explanation). Bronn, 1837, p. 63. Meek and Worthen, 1866a, p. 179. Meek and  
 Worthen, 1870a, p. 137. Quenstedt, 1885, p. 948. Bassler, 1938, p. 157. Bassler  
 and Moodey, 1943, p. 637. Moore and Laudon, 1943b, p. 54, Fig. 5. Moore and  
 Laudon, 1944, p. 155, Pl. 52, fig. 18. Branson, C. C., 1948, p. 209. Moore,  
 1962b, p. 15, Fig. 10, no. 7. Webster, 1973, p. 221. Webster, 1977, p. 144.  
 Moore and Strimple *in* Moore and Teichert, 1978, p. T632, Fig. 394, no. 7. Smith,  
 A. B., 1985, p. 172. Webster, 1986, p. 261. Webster, 1988, p. 137. Lane and  
 Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 464. Webster, 1993, p.  
 97. Hauser, 1997, p. 80, Fig. 23. Hauser, 2001, p. 121, Fig. 102. Ausich and  
 Sevastopulo, 2001, p. 87. Donovan and Lewis, 2003, p. 3. LeMenn, 2009, p.  
 469,  
 Fig. 7.25, no. c.  
**POTERIOCRINUS** Miller, 1821. Agassiz, 1835, p. 197. Phillips, 1836, p. 205. de  
 Koninck, 1842-1844, p. 45. Austin and Austin, 1846, p. 68. Bronn, 1848, p.  
 1035. d'Orbigny, 1849-51, p. 144. d'Orbigny, 1850, p. 103, 156. Roemer, C. F. *in*  
 Bronn and Roemer, 1851, p. 238. de Koninck and Le Hon, 1853, p. 84.  
 Emmons, 1855, p. 224. Burmeister, 1856, p. 244. Pictet, 1857, p. 315. Müller, J.,  
 1857, p. 250. Müller, J., 1859, p. 191. Dujardin and Hupé, 1862, p. 125. Shumard,  
 1868,  
 p. 391. Bigsby, 1868, p. 22. de Koninck, 1877-1878, p. 159. Zittel, 1880, p. 327,  
 344, 360, Fig. 217. Wachsmuth and Springer, 1880 (1879), p. 104 (360).  
 Wachsmuth and Springer, 1883b, p. 376, Fig. 8. Wachsmuth and Springer,  
 1886,  
 p. 234 (158). Miller, S. A., 1889, p. 273. Wachsmuth and Springer, 1891, p. 381,  
 392. Bather, 1890b, p. 325. Steinmann and Döderlein, 1890, p. 155, 166.  
 Lahusen, 1895, p. 139, 148, Fig. 187. Zittel, 1895, p. 114, 136, Fig. 221. Koken,  
 1896, p. 280. Bather *in* Lankester, 1900, p. 180. Wachsmuth *in* Zittel, 1900, p.  
 159. Steinmann, 1903, p. 182. Steinmann, 1907, p. 203. Grabau and Shimer,  
 1910, p. 508. Jaekel, 1918, p. 62. Wanner, 1924, p. 177. Springer, 1926b, p. 69.  
 Schmidt, H., 1929, p. 84. Yakovlev, 1930c, p. 379. Bassler, 1938, p. 157.  
**Bassler**  
 and Moodey, 1943, p. 637. Termier, G. and Termier, H., 1947, p. 256, Pl. 19,  
 figs. 44, 56. Philip, 1963, Fig. 2, no. b. Webster, 1973, p. 221.  
**POTERIOICRINITES** Fischer de Waldheim, 1834, p. 323.  
**Note.** Several species are incorrectly assigned to *Poteriocrinites*. The true range  
 of the genus is possibly Middle Devonian to Middle Mississippian. GDW, 2003.  
 Named, currently recognized species based on cups or crowns: 57 species. 2  
 Silurian, 1 Wenlockian, 1 series undesignated; 22 Devonian, 1 Lochkovian, 5  
 Emsian, 1 Early Devonian series undesignated, 2 Eifelian, 8 Givetian, 1  
 Frasnian, 3 Famennian, 1 series undesignated; ! Carboniferous undesignated;  
 27  
 Mississippian, 7 Tournaisian, 3 Tournaisian – Viséan, 11 Viséan, 3  
 Serpukhovian; 2 Mississippian series undesignated; 2 Pennsylvanian, 1 Atokan,  
 1 Missourian; 3 Permian, 1 Artinskian, 1 Wordian, 1 Permian series  
 undesignated

Silurian, Wenlockian. United Kingdom  
 Early Devonian, Emsian - Mississippian, Viséan. Europe  
 Devonian, undesignated - Mississippian. Russia  
 Early Devonian, Emsian - Pennsylvanian, Missourian. North America  
 Permian, Wordian. Tunisia  
 Permian, series uncertain. West Timor

*Poteriocrinites agnatus* (Miller, 1891) = *Ulrichicrinus agnatus*

*Poteriocrinites altonensis* (Miller and Gurley, 1895) = *Pentaramicrinus* sp. cf. *P. altonensis*

*Poteriocrinites amoenus* (Miller, 1891) = *Ulrichicrinus agnatus*

*Poteriocrinites amplus* Lane and Howell, 1986, p. 900, Fig. 1, nos. 8-9. Kammer and Ausich, 1992, p. 465. Webster, 1993, p. 97.  
 Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Poteriocrinites angulosus* (Schultze, 1866). Bassler and Moodey, 1943, p. 638.  
 Hauser, 1997, p. 80. Hauser, 2001, p. 27, 121, Pl. 13, figs. 2-3; Fig. 103.  
*Poteriocrinus angulosus* Schultze, 1866, p. 50 (adv. pub.). Schultze, 1867, p. 162, Pl. 5, figs. 3-3a. Bassler and Moodey, 1943, p. 638.  
 Devonian, Eifelian, Freilingen Formation; Givetian, Lough Formation. Germany

*Poteriocrinites anomalos* (Wetherby, 1880) = *Cymbiocrinus anomalos* = *Aenigmocrinus anomalos*

*Poteriocrinites arachnaeformis* (Worthen, 1882). Bassler and Moodey, 1943, p. 638.  
 Kammer and Ausich, 1992, p. 464, Fig. 3.1.  
*Poteriocrinus arachnaeformis* Worthen, 1882, p. 13. Worthen, 1883, p. 281, Pl. 28, fig. 12. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 638.  
 Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois

*Poteriocrinites? arkonensis* (Goldring, 1934). Bassler and Moodey, 1943, p. 638.  
 Kesling and Chilman, 1975, p. 275, Pl. 63, figs. 6-8. Webster, 1986, p. 261.  
*Poteriocrinus? arkonensis* Goldring, 1934, p. 191, Pl. 2, figs. 6-7. Bassler and Moodey, 1943, p. 638.  
 Devonian, early Givetian, Arkona Shale; Silica Formation. Canada; United States, Michigan

*Poteriocrinites (Zeacrinus?) armiger* Meek and Worthen, 1870 = *Tholocrinus armiger*

*Poteriocrinites arrectarius* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 638.  
*Poteriocrinus arrectarius* Miller and Gurley, 1896b, p. 33, Pl. 4, fig. 2. Miller, S. A., 1897, p. 751. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 638.

Mississippian, Viséan – Serpukhovian (Meramecian - ?Chesterian), St. Louis Limestone - ?Ste. Genevieve Limestone. United States, Illinois

*Poteriocrinites (Zeacrinus) asper* Meek and Worthen, 1870 = *Zeacrinus asper* = *Pachylocrinus asper* = *Linocrinus asper*

*Poteriocrinites bisselli* Worthen, 1873 = *Poteriocrinus (Scytalocrinus) bisselli* = *Phacelocrinus bisselli*

*Poteriocrinites brittsi* (Miller, 1891) = *Ulrichicrinus agnatus*

*Poteriocrinites broadheadi* Miller and Gurley, 1895. Bassler and Moodey, 1943, p. 638.

*Poteriocrinus broadheadi* Miller and Gurley, 1895b, p. 63, Pl. 4, figs. 7-8. Miller, S. A., 1897, p. 751. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 638.

*Poteriocrinus? broadheadi* Miller and Gurley, 1895. Peck and Keyte, 1938, p. 105, Pl. 31, figs. 6-8. Bassler and Moodey, 1943, p. 638.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Poteriocrinites buffaloensis* (Worthen, 1889). Bassler and Moodey, 1943, p. 638.

*Poteriocrinus buffaloensis* Worthen in Miller, S. A., 1889, p. 273. Worthen, 1890, p. 89, Pl. 12, fig. 1. Thomas, A. O., 1924, p. 478, Pl. 44, fig. 19. Bassler and Moodey, 1943, p. 638.

Devonian, late Givetian, Cedar Valley Limestone. United States, Iowa

*Poteriocrinites burketi* (Worthen, 1882) (*nomen dubium*). Kammer and Ausich, 1993, p. 637, Fig. 5.10.

*Poteriocrinus burketi* Worthen, 1882, p. 5. Worthen, 1883, p. 270, Pl. 28, fig. 8.

Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 541. Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 637.

*Scaphiocrinus burketi* (Worthen, 1882). Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 541. Kammer and Ausich, 1993, p. 637.

*Pachylocrinus burketi* (Worthen) 1882). Bassler and Moodey, 1943, p. 579. Kammer and Ausich, 1993, p. 637.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois

*Poteriocrinites (Dendrocrinus) caduceus* (Hall, 1866) = *Dendrocrinus caduceus*

*Poteriocrinites? calyx* (Hall, 1879) = *Ampheristocrinus? calyx*

*Poteriocrinites cantonensis* (Miller and Gurley, 1890) = *Scytalocrinus cantonensis*

*Poteriocrinites (Zeacrinus) cariniferous* Worthen, 1873 = *Cleioocrinus cariniferous* = *Linocrinus cariniferous*

- Poteriocrinites (Dendrocrinus) casei* (Meek, 1871) = *Dendrocrinus casei* =  
*Plicodendrocrinus casei*
- Poteriocrinites (Dendrocrinus) caseyi* (Meek, 1871) = *Dendrocrinus casei* =  
*Plicodendrocrinus casei*
- Poteriocrinites cavus* Webster and Lane, 1970, p. 294, Pl. 56, figs. 14-15. Webster,  
1977, p. 144.  
Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada
- Poteriocrinites (Dendrocrinus) cincinnatiensis* Meek, 1871 = *Quinquecaudex*  
*cincinnatiensis* = *Dendrocrinus cincinnatiensis*
- Poteriocrinites circumtextus* (Miller and Gurley, 1894) = *Parisocrinus crawfordsvillensis*
- Poteriocrinites clarkei* (Williams, 1882) = *Quantoxocrinus clarkii*
- Poteriocrinites clarkii* (Williams, 1882) = *Quantoxocrinus clarkii*
- Poteriocrinites clarkii alpha* (Williams, 1882). Bassler and Moodey, 1943, p. 639.  
*Poteriocrinus clarkii* var. *alpha* Williams, H. S., 1882, p. 22, Pl. 1, fig. 5. Goldring,  
1923, p. 414, Pl. 54, figs. 6-7. Bassler and Moodey, 1943, p. 639.  
Devonian, Frasnian, lower part of Chemung Group. United States, New York
- Poteriocrinites claytonensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 639.  
*Poteriocrinus claytonensis* Worthen, 1882, p. 18. Worthen, 1883, p. 288, Pl. 30, fig.  
6. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 640. Bassler and Moodey,  
1943, p. 639.  
*Woodocrinus claytonensis* (Worthen, 1882). Weller, S., 1898c, p. 640.  
Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Illinois
- Poteriocrinites (Graphiocrinus, Scaphiocrinus) clio* Meek and Worthen, 1870 =  
*Poteriocrinus (Scaphiocrinus) clio* = *Pachylocrinus clio*
- Poteriocrinites (Scaphiocrinus) clio* Meek and Worthen, 1873 = *Pachylocrinus clio*
- Poteriocrinites? colgatensis* (Goldring, 1926). Bassler and Moodey, 1943, p. 639.  
*Poteriocrinus? colgatensis* Goldring, 1926, p. 91, Pl. 2, figs. 1-6. Bassler and  
Moodey, 1943, p. 639.  
Devonian, early Givetian, Skaneateles Shale, Chenango Member. United States,  
New York
- Poteriocrinites (Zeacrinus) compactilis* Worthen, 1873 = *Adinocrinus compactilis*
- Poteriocrinites (Zeacrinus?) concinnus* Meek and Worthen 1870 = *Cydrocrinus*  
*concinnus*

*Poteriocrinites conicus* (Phillips, 1836) = *Bollandocrinus conicus*

*Poteriocrinites conoideus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 639.

*Poteriocrinus conoideus* de Koninck and Le Hon, 1854, p. 93, Pl. 1, figs. 8a-8c.

Bassler and Moodey, 1943, p. 639.

Mississippian, Viséan. Belgium

*Poteriocrinites* (*Graphiocrinus*, *Scaphiocrinus*) *coreyi* Meek and Worthen, 1870 =  
*Pachylocrinus coreyi* = *Abrotocrinus coreyi*

*Poteriocrinites* (*Scaphiocrinus*) *coreyi* (Meek and Worthen, 1870) = *Abrotocrinus coreyi*

*Poteriocrinites cornellianus* Williams, 1882 = *Glossocrinus cornellianus*

*Poteriocrinites corycia* (Hall, 1863) = *Pachylocrinus corycia*

*Poteriocrinites crassimanus* (M'Coy, 1849) = *Pachylocrinus?* *Crassimanus* =  
*Abrotocrinus crassimanus*

\**Poteriocrinites crassus* Miller, J. S., 1821, p. 68, Unnum. Pl. Austin and Austin, 1845, p. 69, Pl. 8, figs. 3g-3k, 3m. Bassler and Moodey, 1943, p. 639. Wright, J., 1944, p. 269, Pl. 11, figs. 4, 6. Branson, C. C., 1948, p. 209. Wright, 1950, p. 2, Pls. 2, figs. 2, 4-8, 12-17; 3, fig. 7; 5, fig. 4. Webster, 1973, p. 221. Moore and Strimple in Moore and Teichert, 1978, p. T632, Fig. 413, nos. 2a-2c. Webster, 1986, p. 262. Donovan, 1992c, p. 37, Fig. 3, nos. K-M. Ausich and Sevastopulo, 2001, p. 88, Pl. 9, figs. 17-20; Fig. 11, no. J. Donovan and Lewis, 2003, p. 3, Pl. 3, figs. 3-4.

*Platycrinites crassus* (Miller, 1821). Fleming, 1828, p. 495. Bassler, 1938, p. 157.

*Poteriocrinus crassus* (Miller, 1821). de Koninck, 1842-1844, p. 46, Pl. F, fig. 4, nos. a-e (radial and pluricolumnals). Bronn, 1848, p. 1035. d'Orbigny, 1850, p. 156. Dujardin and Hupé, 1862, p. 127. Quenstedt, 1885, p. 948, Fig. 350.

Spiers, 1889, p. 180, Fig. 3. Branson, C. C., 1948, p. 209. Kostic-Podgorska, 1958, p. 107, Pl. 33, figs. 3, 5-7. Webster, 1973, p. 221.

*Rhabdocrinus crassus* (Miller, 1821). Wright, J., 1944, p. 269. Webster, 1973, p. 221.

*Encrinites crassus* Schlotheim, 1822-1823, p. 93, Pl. 25, figs. 2a-2e. Schlotheim, 1832, p. 23, Pl. 25, figs. 2a-2e. Bronn, 1848, p. 1035. Bassler and Moodey, 1943,

p. 639.

*Encrinus* Cumberland, 1821 (part), p. 90, Pl. 3, fig. 2. Ausich and Sevastopulo, 2001,

p. 88.

Mississippian, late Tournaisian - Viséan, Hook Head Formation, *Michelinia* Beds. Ireland, United Kingdom, Scotland; Belgium; Germany; Poland

*Poteriocrinites crassus* Eichwald, 1840b (non Miller, 1821), p. 176, unfig. (Not a  
*Poteriocrinites*, GDW.)  
Silurian. Estonia

*Poteriocrinites crineus* (Hall, 1864) = *Aphelecrinus crineus*

*Poteriocrinites cuneatus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 640.  
*Poteriocrinus cuneatus* Quenstedt, 1876, p. 546, Pl. 109, fig. 14. Bassler and  
Moodey, 1943, p. 640.

*Scaphiocrinus cuneatus* (Quenstedt, 1876). Yanichevsky, 1915, p. 33, Pl. 7, figs. 1-  
2. Bassler and Moodey, 1943, p. 640.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Poteriocrinites cylindricus* (Lyon, 1869) = *Nuxocrinus cylindricus*

*Poteriocrinites dactyloides* Austin and Asutin, 1842 = *Scytalocrinus dactyloides* =  
*Ophiurocrinus dactyloides* = *Gilmocrinus dactyloides*

*Poteriocrinites davisanus* (Miller, 1882). Bassler and Moodey, 1943, p. 640.  
*Poteriocrinus davisanus* Miller, S. A., 1882d, p. 226, Pl. 9, figs. 4a-4e. Miller, S. A.,  
1889, p. 274. Bassler and Moodey, 1943, p. 640.  
Devonian, Emsian, Jeffersonville Limestone or ?Hamilton-Sellersburg Limestone.  
United States, Indiana

*Poteriocrinites dekadactylus* (Lyon and Casseday, 1860) = *Histocrinus coreyi*

*Poteriocrinites* (*Graphiocrinus*, *Scaphiocrinus*) *delicatus* Meek and Worthen, 1870 =  
*Cosmetocrinus delicatus* = *Aphelecrinus delicatus*

*Poteriocrinites* (*Scaphiocrinus*) *delicatus* Meek and Worthen, 1870 = *Cosmetocrinus*  
*delicatus* = *Aphelecrinus delicatus*

*Poteriocrinites?* *diffusus* (Hall, 1862) = *Decadocrinus nereus*

*Poteriocrinites?* *dignatus* (Goldring, 1923). Bassler and Moodey, 1943, p. 640.  
*Poteriocrinus?* *dignatus* Goldring, 1923, p. 416, Pl. 54, figs. 9-10. Goldring, 1936, p.  
22, Pl. 7, figs. 10, 12. Bassler and Moodey, 1943, p. 640.  
Devonian, Givetian, Skaneateles Shale, Moscow Shale. United States, New York

*Poteriocrinites doris* (Hall, 1861) = *Springericrinus doris*

*Poteriocrinites?* *dubius* (Valette, 1934). Branson, C. C., 1948, p. 209.  
*Poteriocrinus dubius* Valette, 1934, p. 98, Unnum. Pl., figs. 13a-13c. Branson, C.  
C., 1948, p. 209.  
Permian, Wordian. Tunisia

*Poteriocrinites?* *dudleyensis* Austin and Austin, 1842, p. 100. Austin and Austin, 1843,

- p. 195. Bassler and Moodey, 1943, p. 640.  
*Poteriocrinus dudleyensis* (Austin and Austin, 1842). Bronn, 1848, p. 1035.  
 Bigsby, 1868, p. 22.  
*Cyathocrinus dudleyensis* (Austin and Austin, 1842). Bigsby, 1868, p. 196.  
 Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom
- Poteriocrinites duluki* Kesling, 1969 = *Nassoviocrinus? duluki*
- Poteriocrinites (Dendrocrinus) dyeri* Meek, 1872 = *Dendrocrinus dyeri*
- Poteriocrinites elongatus* Hauser, 1997, p. 82, Pl. 63, figs. 8-11.  
 Devonian, Givetian, Lough Formation, Hustley Member. Germany
- Poteriocrinites elsahensis* (Worthen, 1889). Bassler and Moodey, 1943, p. 640.  
*Poteriocrinus elsahensis* Worthen in Miller, S. A., 1889, p. 274. Worthen, 1890, p. 88, Pl. 14, fig. 5. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 640.  
 Mississippian, Tournaisian (Osagean), Fern Glen Formation. United States, Illinois
- Poteriocrinites (Graphiocrinus, Scaphiocrinus) fiscellus* Meek and Worthen, 1870 =  
*Poteriocrinites (Scaphiocrinus) fiscellus* = *Poteriocrinus fiscellus* = *Pelecocrinus fiscellus*
- Poteriocrinites (Scaphiocrinus) fiscellus* Meek and Worthen, 1873 = *Poteriocrinites (Scaphiocrinus) fiscellus* = *Poteriocrinus fiscellus* = *Pelecocrinus fiscellus*
- Poteriocrinites (Zeacrinus) formosus* Worthen, 1873 = *Zeacrinus formosus* =  
*Phanocrinus formosus*
- Poteriocrinites fusiformis* Roemer, C. F., 1844 = *\*Bactrocrinites fusiformis*
- Poteriocrinites fusiformis* var. *depressa* Schultze, 1866 = *Bactrocrinites depressus*
- Poteriocrinites gracilis* (M'Coy, 1844). Bassler and Moodey, 1943, p. 641.  
*Poteriocrinus gracilis* M'Coy, 1844, p. 178, Pl. 25, figs. 11-14. d'Orbigny, 1850, p. 157. Bigsby, 1868, p. 22. Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 641. Ausich and Sevastopulo, 2001, p. 92, Pl. 10, fig. 9, *nomen dubium*.  
 (Species transferred to *Pachyocrinus* by Bassler and Moodey, 1943, GDW.)  
 Mississippian, late Tournaisian, Hook Head Formation. Ireland
- Poteriocrinites gracilis* (Hall, 1879) (non M'Coy, 1844) = *Dendrocrinus gracilis*
- Poteriocrinites hardinensis* Worthen, 1873, p. 533, Pl. 20, fig. 10. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 641.  
*Poteriocrinus hardinensis* (Worthen, 1873). Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 475.  
 Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United States,

Illinois, Alabama

*Poteroicrinites hemisphericus* (Müller, 1856). Bassler and Moodey, 1943, p. 641.

*Poteroicrinus hemisphericus* Müller, J., 1856, p. 354. Miller, S. A., 1889, p. 274.

Bassler and Moodey, 1943, p. 641.

Devonian, Eifelian. Germany

*Poteroicrinites (Scaphiocrinus) hemisphericus* Meek and Worthen, 1873 = *Delocrinus hemisphericus*

*Poteroicrinites horowitzi* Ausich, Goldstein, and Yates, 2000, p. 1078, Fig. 1, nos. 2-3.

Mississippian, Viséan (late Osagean), Muldraugh Member, Borden Formation.

United States, Kentucky

*Poteroicrinites illinoisensis* (Worthen, 1882) = *Ulrichicrinus? illinoisensis*

*Poteroicrinites impressus* (Phillips, 1836). Bassler and Moodey, 1943, p. 641. Ausich and Sevastopulo, 1993, p. 300, Fig. 1, nos. A-C.

*Poteroicrinus impressus* Phillips, 1836, p. 205, Pl. 4, fig. 1. Austin and Austin, 1847, p. 85, Pl. 10, fig. 6. Bronn, 1848, p. 1035. d'Orbigny, 1850, p. 157. Bassler and Moodey, 1943, p. 641. Wright, J., 1951a, p. 39. Webster, 1973, p. 67. Ausich and

Sevastopulo, 1993, p. 300.

*Blothrocrinus impressus* (Phillips, 1836). Wright, J., 1951a, p. 39, Pl. 13, fig. 6.

Webster, 1973, p. 67. Ausich and Sevastopulo, 1993, p. 300.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Ireland

*Poteroicrinites impressus* (Richter and Unger, 1856) (*non* Phillips, 1836). Bassler and Moodey, 1943, p. 641.

*Poteroicrinus impressus* Richter and Unger, 1856 (*non* Phillips, 1836), p. 44, Pl. 3, figs. 1-3. Bassler and Moodey, 1943, p. 641.

*Pachylocrinus impressus* Phillips, 1835. Hauser, 2001, p. 123, Fig. 104.

Devonian, Famennian. Germany

*Poteroicrinites isacobus* Austin and Austin, 1843 = *Pachylocrinus isacobus*

*Poteroicrinites isacobus* Austin and Austin, 1843. Ausich and Sevastopulo, 2001, p. 91, Pl. 10, fig. 6, (*nomen dubium*).

Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Poteroicrinites jeffriesi* (Rowley, 1908). Bassler and Moodey, 1943, p. 641. Webster, 1973, p. 221.

*Poteroicrinus jeffriesi* Rowley, R. R., 1908, p. 69, Pl. 16, figs. 71-73. Bassler and Moodey, 1943, p. 641. Williams, J. S., 1943, p. 66, Pl. 6, figs. 19-20. Webster, 1973, p. 221.

Mississippian, Tournaisian (Kinderhookian), Louisiana Limestone. United States, Missouri



*Poteriocrinites (Graphiocrinus; Scaphiocrinus) juvenis* Meek and Worthen, 1870 =  
*Histocrinus juvenis*

*Poteriocrinites (Scaphiocrinus) juvenis* Meek and Worthen, 1870 = *Histocrinus juvenis*

*Poteriocrinites kopfi* (Goldring, 1935). Bassler and Moodey, 1943, p. 641. Goldring, 1945, p. 64, Pl. 1, fig. 6. Webster, 1973, p. 221.

*Poteriocrinus kopfi* Goldring, 1935b, p. 362, Pl. 27, figs. 4-11. Bassler and Moodey, 1943, p. 641.

Devonian, late Givetian, lower part of Moscow Shale. United States, New York

*Poteriocrinites labyrinthicus* (Miller, 1891) = *Parisocrinus labyrinthicus*

*Poteriocrinites lasallensis* (Worthen, 1875) = *Hypselocrinus? lasallensis* = *Exoriocrinus lasallensis*

*Poteriocrinites leviculus* (Lyon, 1862). Bassler and Moodey, 1943, p. 641.

*Cyathocrinus leviculus* Lyon, 1862, p. 409, Pl. 4, fig. 1. Shumard, 1868, p. 362.

Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 201. Bassler and Moodey, 1943, p. 641.

*Poteriocrinus leviculus* (Lyon, 1862). Wachsmuth and Springer, 1880 (1879), p. 120 (343). Bassler and Moodey, 1943, p. 641.

Devonian, Emsian, Sellersburg Limestone. United States, Kentucky

*Poteriocrinites (Scaphiocrinus) lilliformis* Meek and Worthen, 1869 = *Poteriocrinus (Pachylocrinus) lilliformis* = *Pachylocrinus lilliformis*

*Poteriocrinites longicaudatus* (Fraipont, 1904). Bassler and Moodey, 1943, p. 642.

*Poteriocrinus (Scaphiocrinus) longicaudatus* Fraipont, 1904, p. 7, Pl. 1, figs. 1-2.

Bassler and Moodey, 1943, p. 642.

Mississippian, Viséan. Belgium

*Poteriocrinites (Zeacrinus) lyra* Meek and Worthen, 1870 = *Zeacrinus lyra* =  
*Coeliocrinus lyra*

*Poteriocrinites (Scaphiocrinus) mcadamsi* Worthen, Ms. in Meek and Worthen, 1873 =  
*Acylocrinus mcadamsi*

*Poteriocrinites (Scaphiocrinus) mcadamis* Meek and Worthen, 1873 = *Acylocrinus mcadamis*

*Poteriocrinites macoupinensis* Worthen, 1973 = *Hypselocrinus? macoupinensis* =  
*Haeretocrinus macoupinensis*

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) macrodactylus* Meek and Worthen, 1870  
= *Hypselocrinus macrodactylus*

- Poteriocrinites (Scaphiocrinus) macrodactylus* Meek and Worthen, 1870 =  
*Hypselocrinus macrodactylus*
- Poteriocrinites macropleurus* (Hall, 1861) = *Springericrinus macropleurus*
- Poteriocrinites magnus* (Wright, 1937) = *Pelecocrinus magnus*
- Poteriocrinites? magnus* (Wright, 1937) = *Poteriocrinites magnus* = *Pelecocrinus magnus*
- Poteriocrinites malaianus* (Wanner, 1916). Bassler and Moodey, 1943, p. 642.  
Branson, C. C., 1948, p. 209.  
*Poteriocrinus malaianus* Wanner, 1916, p. 142, Pl. 104 (9), fig. 1. Wanner, 1924, p. 182, Pl. 8, figs. 1-5. Wanner, 1937, p. 141, Pl. 9, fig. 30. Bassler and Moodey, 1943, p. 642. Branson, C. C., 1948, p. 209.  
Permian, series uncertain. West Timor, Basleo
- Poteriocrinites mammaeformis* (Worthen, 1890) = *Culmicrinus mammaeformis*
- Poteriocrinites (Scaphiocrinus) mcadamsi* Meek and Worthen, 1873 = *Graphiocrinus mcadamsi*
- Poteriocrinites (Scaphiocrinus) mcadamsi* Meek and Worthen, 1873 = *Scytalocrinus mcadamsi* = *Scytalocrinus hamiltonensis* = *Parascytalocrinus hamiltonensis*
- Poteriocrinites (Scaphiocrinus) mcadamsi* Meek and Worthen, 1873 = *Graphiocrinus mcadamsi* = *Scytalocrinus mcadamsi* = *Scytalocrinus hamiltonensis* = *Parascytalocrinus hamiltonensis*
- Poteriocrinites meekianus* (Shumard, 1855). Bassler and Moodey, 1943, p. 642.  
*Poteriocrinus meekianus* Shumard, 1855, p. 188, Pl. A, figs. 7a-7b. Shumard, 1868, p. 391. Peck and Keyte, 1938, p. 103, Pl. 31, figs. 17-18, 20-25. Bassler and Moodey, 1943, p. 642.  
*Poteriocrinus meekianus* Shumard, 1855. Miller, S. A., 1889, p. 274. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 120.  
*Barycrinus meekianus* (Shumard, 1855). Weller, S., 1898c, p. 120. Keyes, 1918, p. 211. Grabau and Shimer, 1910, p. 507. Bassler and Moodey, 1943, p. 642.  
*Cyathocrinus meekianus* (Shumard, 1855). Miller, S. A., 1892c, p. 44. Miller, S. A., 1894, p. 298. Miller, S. A., 1897, p. 741. Weller, S., 1898c, p. 120.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Colorado, Missouri
- Poteriocrinites mespiliformis* (Richter and Unger, 1856). Bassler and Moodey, 1943, p. 642.  
*Poteriocrinus mespiliformis* Richter and Unger, 1856, p. 131, Pl. 3, fig. 4. Bassler and Moodey, 1943, p. 642.

Devonian, Famennian. Germany

*Poteriocrinites minimus* Austin and Austin, 1843 = *Pachylocrinus isacobus*

*Poteriocrinites? morlieresensis* Le Menn, 1985, p. 94, Pl. 21, figs. 1-12; Fig. 38.  
Webster, 1988, p. 137.

Devonian, Lochkovian, Gahard Sandstone: France, Armorican Massif

*Poteriocrinites (Zeacrinus) mucrospinus* (McChesney, 1860) = *Aatocrinus mucrospinus*

*Poteriocrinites multicosta* Goldring, 1954, p. 27, Pl. 4, figs. 1-5. Webster, 1973, p. 222.  
Devonian, middle Givetian, Kashong Shale, Ludlowville Shale. United States,  
New York

*Poteriocrinites municipalis* Troost, 1850 = *Cyathocrinites? municipalis* = *Rhopocrinus municipalis*

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) nanus* Meek and Worthen, 1869 =  
*Cosmetocrinus nanus* = *Aphelecrinus meeki*

*Poteriocrinites (Scaphiocrinus) nanus* Meek and Worthen, 1869 = *Cosmetocrinus nanus* = *Aphelecrinus meeki*

*Poteriocrinites nassa* (Hall, 1862). Bassler and Moodey, 1943, p. 643. Goldring, 1954,  
p. 30, Pl. 5, fig. 1. Webster, 1973, p. 222.

*Poteriocrinus nassa* Hall, 1862a, p. 92. Hall, 1862b, p. 120. Shumard, 1868, p. 391.  
Hall, 1872c, Pl. 1-A, fig. 5. Miller, S. A., 1889, p. 274. Goldring, 1923, p. 410, Pl.  
54, figs. 2-3. Bassler and Moodey, 1943, p. 643.

Devonian, late Givetian, Moscow Shale. United States, New York

*Poteriocrinites cf. nassa* (Hall, 1862). Hauser, 1997, p. 83, Pl. 64, figs. 1-2.  
Devonian, Givetian, ?Loogh Formation. Germany

*Poteriocrinites nettelrothanus* (Miller, 1882). Bassler and Moodey, 1943, p. 643.

*Poteriocrinus nettelrothanus* Miller, S. A., 1882d, p. 227, Pl. 9, figs. 5-5a. Miller, S.  
A., 1889, p. 274. Bassler and Moodey, 1943, p. 643.

Devonian, Emsian, Jeffersonville Limestone or ?Hamiltonian, Sellersburg  
Limestone. United States, Indiana

*Proteriocrinites? nobilis* (Phillips, 1836) = *Taxocrinus nobilis*

*Poteriocrinites nodobrachiatus* (Hall, 1861) = *Holcocrinus nodobrachiatus*

*Poteriocrinites notabilis* Meek and Worthen, 1870. Bassler and Moodey, 1943, p. 643.

*Scaphiocrinus notabilis* Meek and Worthen, 1870a, p. 147. Miller, S. A., 1889, p.  
280. Weller, S., 1898c, p. 476.

*Poteriocrinus (Graphiocrinus, Scaphiocrinus) notabilis* (Meek and Worthen, 1870).  
Bassler and Moodey, 1943, p. 643.

*Poteriocrinites (Scaphiocrinus) notabilis* Meek and Worthen, 1873, p. 410, Pl. 1, fig. 9. Bassler and Moodey, 1943, p. 643.

*Poteriocrinus notabilis* Meek and Worthen, 1870. Weller, S., 1898c, p. 476.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Poteriocrinites (Scaphiocrinus) notabilis* Meek and Worthen, 1873 = *Poteriocrinites notabilis*

*Poteriocrinites nuciformis* (Fischer de Waldheim, 1837). Bassler and Moodey, 1943, p. 643.

*Cupressocrinites nuciformis* Fischer de Waldheim, 1837, p. 151, Pl. 41, figs. 5-6.  
Bassler and Moodey, 1943, p. 643.

*Cupressocrinus? nuciformis* (Fischer de Waldheim, 1837). Bronn, 1848, p. 363.

*Poteriocrinus nuciformis* (Fischer de Waldheim, 1837). M'Coy, 1854, p. 106.

Eichwald, 1860, p. 588. Bassler and Moodey, 1943, p. 643.  
Mississippian, series not given. Russia, Moscow Basin

*Poteriocrinites obuncus* (White, 1862). Bassler and Moodey, 1943, p. 643.

*Poteriocrinus obuncus* White, C. A., 1862 (adv. pub.). White, C. A., 1865, p. 11.

Shumard, 1868, p. 391. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 476.

Bassler and Moodey, 1943, p. 643.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Poteriocrinites otterensis* Worthen, 1882 = *Lanecrinus? otterensis*

*Poteriocrinites peculiaris* (Worthen, 1883) = *Aphelecrinus peculiaris*

*Poteriocrinites (Scaphiocrinus) penicillus* Meek and Worthen, 1870 = *Linocrinus penicillus*

*Poteriocrinites pentagonus* (Austin and Austin, 1843) = *Phacelocrinus? Pentagonus* = *Gaelicrinus pentagonus*

*Poteriocrinites pentonensis* (Wright, 1937) = *Rhabdocrinus pentonensis*

*Poteriocrinites permicus* Webster and Lane, 2007, p. 955, Fig. 2, nos. 11-13.

Permian, Artinskian, Bird Spring Formation. United States, Nevada

*Poteriocrinites perplexus* (Meek and Worthen, 1869) = *\*Parisocrinus perplexus*

*Poteriocrinites? perplexus* Meek and Worthen, 1870 = *Parisocrinus perplexus*

*Poteriocrinites pleias* (Hall, 1863) = *Hypselocrinus pleias*

*Poteriocrinites plicatus* Austin and Austin, 1842, p. 108. Austin and Austin, 1843, p. 196.

Austin and Austin, 1846, p. 78, Pl. 9, figs. 4a-4f. Bassler and Moodey, 1943, p. 643. Wright, J., 1950, p. 7, Pls. 2, figs. 10-11; 4. Webster, 1973, p. 222. Ausich and Sevastopulo, 2001, p. 90, Pl. 9, figs. 15-16.

*Poteriocrinus plicatus* (Austin and Austin, 1842). Bronn, 1848, p. 1035. Grenfell, 1876, p. 478, Pls. 6, figs. 1-4; 7, figs. 1-2. Julien, 1896, p. 138, Pl. 5, fig. 3. Schmidt, W. E., 1930, p. 46, Figs. 8, nos. a<sub>1-3</sub>. Bassler and Moodey, 1943, p. 643.

Mississippian, Tournaisian – Viséan, Mountain Limestone. United Kingdom, Scotland; Ireland; Belgium

*Poteriocrinites (Dendrocrinus) polydactylus* (Shumard, 1850) = *Cupulocrinus polydactylus*

*Poteriocrinites (Dendrocrinus) posticus* (Hall, 1866) = *Dendrocrinus posticus*

*Poteriocrinites pulaskiensis* (Miller and Gurley, 1896) = *Wetherbyocrinus pulaskiensis*

*Poteriocrinites pygmaeus* (Wenjukoff, 1886). Bassler and Moodey, 1943, p. 644.

*Poteriocrinus pygmaeus* Wenjukoff, 1886, p. 446, Pls. 1, fig. 12; 11, fig. 6. Bassler and Moodey, 1943, p. 644.

Devonian, series not given: Russia, Don River

*Poteriocrinites quenstedti* (Golowkinsky, 1869) = *Moscovicrinus quenstedti*

*Poteriocrinites quinquangularis* Austin and Austin, 1843 = *Fiannacrinus quinquangularis*

*Poteriocrinites radiatus* Austin and Austin, 1843 = *Poteriocrinus radiatus* = *Parisocrinus radiatus* = *Cyathocrinites? radiatus*

*Poteriocrinites ramonaensis* Strimple, 1939b, p. 39, Pl. 1, figs. 5-6.

Pennsylvanian, Missourian, Ochelata Group, Stanton Limestone. United States, Oklahoma

*Poteriocrinites (Scaphiocrinus) randolphensis* Worthen, 1873 = *Aphelecrinus randolphensis*

*Poteriocrinites rhenanus* (Müller), 1855 = *Antihomocrinus zeileri*

*Poteriocrinites rhombiferus* (Owen and Shumard, 1852) = *Barycrinus rhombiferus*

*Poteriocrinites robbi* (Roy, 1929) = *Cydrocrinus robbi*

*Poteriocrinites robustus* Wright, 1950 = *Springericrinus robustus*

*Poteriocrinites rostratus* Austin and Austin, 1842 = *Poteriocrinus rostratus* = *P. (Scytalocrinus) rostratus* = *Scytalocrinus rostratus* = *Phacelocrinus rostratus* = *Gaelicrinus rostratus*

*Poteriocrinites rowleyi* (Worthen, 1889). Bassler and Moodey, 1943, p. 644.  
*Poteriocrinus rowleyi* Worthen in Miller, S. A., 1889, p. 275. Worthen, 1890, p. 90, Pl. 14, fig. 9. Weller, S., 1898c, p. 477. Bassler and Moodey, 1943, p. 644.  
 Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United States,  
 Illinois

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) rudis* Meek and Worthen, 1870 = *Graphiocrinus rudis* = *Tropiocrinus rudis* = *Acylocrinus rudis* = *Ramulocrinus rudis*

*Poteriocrinites (Scaphiocrinus) rudis* Meek and Worthen, 1870 = *Graphiocrinus rudis* = *Tropiocrinus rudis* = *Acylocrinus rudis* = *Ramulocrinus rudis*

*Poteriocrinites rugosus* (Grenfell, 1876) = *Blothrocrinus rugosus*

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) scalaris* Meek and Worthen, 1870 = *Decacrinus scalaris*

*Poteriocrinites (Scaphiocrinus) scalaris* Meek and Worthen, 1873 = *Decacrinus scalaris*

*Poteriocrinites (Zeacrinus) scobina* Meek and Worthen, 1869 = *Linocrinus scobina*

*Poteriocrinites scotocarbonarius* (Wright, 1937) = *\*Rhabdocrinus scotocarbonarius*

*Poteriocrinites (Zeacrinus) serratus* Meek and Worthen, 1870 = *Eratocrinus serratus*

*Poteriocrinites sigillatus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 644.  
*Poteriocrinus sigillatus* Quenstedt, 1876, p. 525, Pl. 108, Fig. 41. Bassler and Moodey, 1943, p. 644.  
 Mississippian, series not given. France

*Poteriocrinites similis* Worthen, 1882. Bassler and Moodey, 1943, p. 644.  
*Poteriocrinus similis* Worthen, 1882, p. 23. Worthen, 1883, p. 295, Pl. 30, fig. 12. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 477. Bassler and Moodey, 1943, p. 644.  
 Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United States,  
 Illinois

*Poteriocrinites simplex* (Lyon, 1869). Bassler and Moodey, 1943, p. 645.  
*Poteriocrinus simplex* Lyon, 1869, p. 458, Pl. 26, fig. f. Miller, S. A., 1889, p. 275. Bassler and Moodey, 1943, p. 645.  
 Devonian, Emsian, Jeffersonville Limestone. United States, Ohio

*Poteriocrinites smithi* (Etheridge, 1892) = "*Poteriocrinites*"? *smithi*

"*Poteriocrinites*"? *smithi* (Etheridge, 1892). Webster and Jell, 1999a, p. 268, Fig. 18.

*Poteriocrinites smithi* (Etheridge, 1892). Bassler and Moodey, 1943, p. 645.

Branson, C. C., 1948, p. 209. Webster and Jell, 1999a, p. 268.

*Poteriocrinus*? *smithii* Etheridge in Jack and Etheridge, 1892, p. 209, Pl. 8, fig. 1.

Bassler and Moodey, 1943, p. 645. Branson, C. C., 1948, p. 209. Webster and Jell, 1999a, p. 268.

Carboniferous?, ?Rockhampton Group (originally reported from Gympie Beds [Permian]). Australia, Queensland

*Poteriocrinites spissus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 645. Smith, A. B., 1985, p. 172, Pl. 7.4.31. Webster, 1988, p. 137.

*Poteriocrinus spissus* de Koninck and Le Hon, 1854, p. 94, Pl. 1, figs. 9a-9b.

?Julien, 1896, p. 137. Bassler and Moodey, 1943, p. 645.

*Encrinus* sp. Cumberland, 1821, p. 91, Pl. 3, fig. 2 only. Bassler and Moodey, 1943, p. 645.

Mississippian, Tournaisian - Viséan, Mountain Limestone; New Providence Shale. United Kingdom, Scotland; Belgium; France; United States, Kentucky

*Poteriocrinites* (*Graphiocrinus*, *Scaphiocrinus*) *striatus* (Meek and Worthen, 1870) = *Graphiocrinus striatus* = *Acylocrinus striatus*

*Poteriocrinites* (*Scaphiocrinus*) *striatus* (Meek and Worthen, 1870) = *Acylocrinus striatus*

*Poteriocrinites tenuis* Miller, 1821 = *Poteriocrinus tenuis* = *Scytalocrinus tenuis*

*Poteriocrinites transcisus* (Whidborne, 1898). Lane, Maples, and Waters, 2001a, p. 1062, Pl. 3, fig. 7 (not Pl. 4, fig. 7; plate explanations for plates 3 and 4 reversed).

*Scaphiocrinus transcisus* Whidborne, 1898, p. 230, Pl. 38, fig. 3. Bassler and Moodey, 1943, p. 518. Lane, Maples, and Waters, 2001a, p. 1062.

*Hydriocrinus transcisus* (Whidborne, 1898). Schmidt, W. E., 1930, p. 57. Bassler and Moodey, 1943, p. 518. Lane, Maples, and Waters, 2001a, p. 1062. Devonian, Famennian, Pilton Beds. United Kingdom, North Devon

*Poteriocrinites ulrichi* (Worthen, 1889) = *Ramulocrinus ulrichi* = *Lanecrinus depressus*

*Poteriocrinites vagulus* (Miller and Gurley, 1895) = *Culmicrinus vagulus*

*Poteriocrinites validus* (Worthen, 1882) = *Hylodecrinus*? *validus*

*Poteriocrinites verneuili* (Cailliaud, 1861). Bassler and Moodey, 1943, p. 645.

*Poteriocrinus verneuili* Cailliaud, 1861, p. 334, Unnum. Figs. Oehlert, 1890, p. 785, Pl. 21, fig. 4.

Early Devonian, series not given. France

*Poteriocrinites verus* (Miller and Gurley, 1890) = *Culmicrinus verus*

*Poteriocrinites waltersi* (Rowley and Hare, 1891). Bassler and Moodey, 1943, p. 645.  
*Poteriocrinus waltersi* Rowley and Hare, 1891a, p. 101, Pl. 2, fig. 15. Miller, S. A.,  
 1892a, p. 681. Weller, S., 1898c, p. 479. Bassler and Moodey, 1943, p. 645.  
 Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United  
 States, Missouri

*Poteriocrinites wortheni* (Lyon, 1862). Bassler and Moodey, 1943, p. 645.  
*Cyathocrinus wortheni* Lyon, 1862, p. 410, Pl. 4, fig. 2. Shumard, 1868, p. 364.  
 Miller, S. A., 1889, p. 237. Bassler and Moodey, 1943, p. 645.  
*Poteriocrinus wortheni* (Lyon, 1862). Wachsmuth and Springer, 1880 (1879), p.  
 121 (344).  
 Devonian, Emsian, Sellersburg Limestone. United States, Kentucky

*Poteriocrinites zethus* (Williams, 1882) = *Bridgerocrinus zethus*

*Poteriocrinites* spp.

Lakeman, 1950, p. 104, Fig. 3. Webster, 1973, p. 222.

Carboniferous, series not given

Laudon, Parks, and Spreng, 1952, p. 547, Pl. 65, figs. 9-10. Webster, 1973, p.  
 222.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta  
 Webster and Lane, 1987, p. 46, Fig. 11, nos. 28-29. Webster, 1993, p. 97.

Mississippian, Viséan (Osagean) Anchor Limestone. United States, Nevada  
 Hauser, 1997, Pl. 63, fig. 12.

Devonian, series not given. Germany

*Poteriocrinus* sp.

Yanishevsky, 1900, p. 98.

Mississippian, C1. Russia, Ural Mountains

Weller, 1909, p. 279, Pl. 11, fig. 24.

Mississippian, Tournaisian (Kinderhookian), Fern Glen Formation. United  
 States, Missouri

Tolmatchoff, 1915, p. 222.

Late Devonian. Russia, Altai

Easton, 1942, p. 84, Pl. 2, fig. 14.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
 Arkansas

Wright, J., 1920a, p. 382, Pl. 18, figs. 2-3.

Mississippian, Viséan, Fife Limestone. United Kingdom, Scotland

Wright, J., 1942, p. 273, Pl. 10, fig. 11. Webster, 1973, p. 222.

Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland

*Poteriocrinites?* sp. Lane and Webster, 1966, p. 213, Pl. 3, fig. 2-4. Webster, 1973, p.  
 222.



Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Poteriocrinites?* sp. radial indeterminate Webster and Lane, 2007, p. 957, Fig. 2, nos. 5-6.

Permian, Artinskian, Bird Spring Formation. United States, Nevada

Poteriocrinid indet. Brower, 1970, p. 535. Webster, 1977, p. 145.

Mississippian, Viséan (Osagean), Redwall Limestone, Mooney Falls Member, Thunder Springs Member or Mooney Falls Member. United States, Arizona

Poteriocrinid indet., arm fragment 1 Webster and Jell, 1999b, p. 313, Figs. 18, nos. A-C; 19.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

Poteriocrinid indet., arm fragment 2 Webster and Jell, 1999b, p. 313, Fig. 20, nos. B-C; 19.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

Poteriocrinid indet., arm fragment 3 Webster and Jell, 1999b, p. 313, Fig. 20, no. A.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

Poteriocrinid indet. arms 1 Webster and Jell, 1999b, p. 311, Figs. 16, nos. A-B.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

Poteriocrinid indet. arms 2 Webster and Jell, 1999b, p. 311, Figs. 17.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

Poteriocrinid indet. arms 3 Webster and Jell, 1999b, p. 312, Figs. 16, nos. C-D.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*POTERIOCRINUS* of authors = **POTERIOCRINITES**

*POTERIOCRINUS* (*DECADOCRINUS*) Zittel, 1895 = **DECADOCRINUS**

*POTERIOCRINUS* (*HYDRIOCRINUS*) Zittel, 1895 = **HYDRIOCRINUS**

*POTERIOCRINUS* (*SCAPHIOCRINUS*) Zittel, 1895 = **GRAPHIOCRINUS**

*POTERIOCRINUS* (*SCYTALOCRINUS*) Zittel, 1895 = **SCYTALOCRINUS**

*Poteriocrinus abbreviatus* (Austin and Austin, 1843) = *Pachylocrinus brevidactylus* = *Blothrocrinus brevidactylus*

*Poteriocrinus abbreviatus* Austin and Austin, 1847 = *Blothrocrinus longidactylus*

*Poteriocrinus (Scytalocrinus) abnormis* Wachsmuth and Springer, 1880 = *Scytalocrinus abnormis*

*Poteriocrinus (Scaphiocrinus) aegina* Hall, 1863 = *Decadocrinus aegina*

*Poteriocrinus aequalis* (Hall, 1861) = \**Pachylocrinus aequalis*

*Poteriocrinus (Scaphiocrinus) aequalis* Hall, 1861 = *Pachylocrinus aequalis*

*Poteriocrinus (Scaphiocrinus) aequalis* Wachsmuth and Springer, 1880 (part) = *Pelecocrinus solidus*

*Poteriocrinus (Scaphiocrinus) aequalis* Wachsmuth and Springer, 1880 (part) = *Pelecocrinus tenuidactylus*

*Poteriocrinus agnatus* Miller, 1891 = *Poteriocrinites agnatus* = *Ulrichicrinus agnatus*

*Poteriocrinus albersi* Miller and Gurley, 1896b, p. 29, Pl. 2, figs. 15-17. Miller, S. A., 1897, p. 751, Fig. 1381. Weller, S., 1898c, p. 472. Bassler and Moodey, 1943, p. 405. Kammer and Ausich, 1993, p. 622.

*Decadocrinus albersi* (Miller and Gurley, 1896). Ulrich, A. O., 1917, p. 181. Bassler and Moodey, 1943, p. 405. Burdick and Strimple, 1983a, p. 117. Webster, 1988, p. 144.

*Ramulocrinus albersi* (Miller and Gurley, 1896). Webster, 1973, p. 229.

*Ramulocrinus albertsi* (Miller and Gurley, 1896). Laudon, Parks, and Spreng, 1952, p. 558. Kammer and Ausich, 1993, p. 622 (not a *Ramulocrinus*). Mississippian, Tournaisian (Kinderhookian). United States, Iowa

*Poteriocrinus alternatus* Hall, 1847 = *Dendrocrinus alternatus*

*Poteriocrinus altonensis* Miller and Gurley, 1895 = *Poteriocrinites altonensis* = *Pentaramicrinus altonensis*

*Poteriocrinus altonensis* (Miller and Gurley, 1895 = *Pentaramicrinus* sp. cf. *P. altonensis* (Miller and Gurley, 1895).

*Poteriocrinus amaenus* Miller, 1891 = *Poteriocrinites amoenus* = *Ulrichicrinus agnatus*

*Poteriocrinus amoenus* Miller, 1891 = *Poteriocrinites amoenus* = *Ulrichicrinus agnatus*

*Poteriocrinus angulosus* Schultze, 1866 = *Poteriocrinites angulosus*

*Poteriocrinus anomalos* Wetherby, 1880 = *Poteriocrinites anomalos* = *Cymbiocrinus anomalos* = *Aenigmocrinus anomalos*

- Poteriocrinus aqualis* Hall, 1859 = *Pachylocrinus aqualis* = *Pelecocrinus aqualis*
- Poteriocrinus arachnaeformis* Worthen, 1882 = *Poteriocrinites arachnaeformis*
- Poteriocrinus (Zeacrinus) arboreus* Worthen in Meek and Worthen, 1873 =  
*Scaphiocrinus arboreus* = *Pachylocrinus arboreus* = *Linocrinus arboreus*
- Poteriocrinus arcanus* Miller and Gurley, 1890 = *Hypselocrinus arcanus*
- Poteriocrinus? arkonensis* Goldring, 1934 = *Poteriocrinites? arkonensis*
- Poteriocrinus arrectarius* Miller and Gurley, 1896 = *Poteriocrinites arrectarius*
- Poteriocrinus asper* (Meek and Worthen, 1870) = *Pachylocrinus extensus* = *P. asper* =  
*Linocrinus asper*
- Poteriocrinus asperatus* Worthen, 1882 = *Pachylocrinus asperatus* = *Sarocrinus asperatus*
- Poteriocrinus barrisi* Hall, 1861 = *Cyathocrinites barrisi*
- Poteriocrinus barumensis* (Whidborne, 1890) = *Hydriocrinus barumensis* =  
*Scytalocrinus barumensis*
- Poteriocrinus barumensis* Dreverman, 1903 = *Hydriocrinus ratingensis* =  
*?Sostronocrinus ratingensis*
- Poteriocrinus batheri* Whidborne, 1896 = *Bridgerocrinus stadiodactylus*
- Poteriocrinus bayensis* Meek and Worthen, 1865 = *Aphelecrinus bayensis*
- Poteriocrinus (Scaphiocrinus) bayensis* Meek and Worthen, 1865 = *Decadocrinus bayensis* = *Aphelecrinus bayensis*
- Poteriocrinus bijugis* Trautschold, 1867 = *Moscovicrinus bijugis* = *Pegocrinus bijugis*
- Poteriocrinus bisselli* (Worthen, 1873) = *Phacelocrinus bisselli*
- Poteriocrinus (Scytalocrinus) bisselli* Wachsmuth and Springer, 1880 = *Phacelocrinus bisselli*
- Poteriocrinus blairi* Miller and Gurley, 1895 = *Cercidocrinus blairi*
- Poteriocrinus bockschii* Geinitz, 1846 = *Ulocrinus bockschii* = *Ureocrinus bockschii*
- Poteriocrinus boonvillensis* Miller, 1891 = *Hypselocrinus boonvillensis* = *H. arcanus*

*Poteriocrinus bozemanensis* Miller and Gurley, 1896 = *Gilmocrinus bozemanensis* =  
*Ramulocrinus bozemanensis*

*Poteriocrinus bozemanensis* Laudon, *et al.*, 1952. Kammer and Ausich, 1993, p. 622  
(not a *Ramulocrinus*).

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States,  
Montana

*Poteriocrinus braireus* Worthen, 1882 = *Hylodecrinus braireus*

*Poteriocrinus braireus* Worthen, 1882 = *Scaphiocrinus braireus* = *Pachylocrinus*  
*braireus* = *Hylodecrinus braireus*

*Poteriocrinus brittsi* Miller, 1891 = *Poteriocrinites brittsi* = *Ulrichicrinus agnatus*

*Poteriocrinus broadheadi* Miller and Gurley, 1895 = *Poteriocrinites broadheadi*

*Poteriocrinus?* *broadheadi* Miller and Gurley, 1895 = *Poteriocrinites broadheadi*

*Poteriocrinus buffaloensis* Worthen *in* Miller, 1880 = *Poteriocrinites buffaloensis*

*Poteriocrinus burketi* Worthen, 1882 (part) = *Poteriocrinites burketi*

*Poteriocrinus burketi* Worthen, 1882 (part) = *Sarocrinus kirki*

*Poteriocrinus bursaeformis* White, 1862 = *Zeacrinus bursaeformis* = *Cercidocrinus*  
*bursaeformis*

*Poteriocrinus bursiformis* White, 1862 = \**Cercidocrinus bursaeformis*

*Poteriocrinus caduceus* Hall, 1866 = *Dendrocrinus caduceus*

*Poteriocrinus (Dendrocrinus) caduceus* Hall, 1866 = *Dendrocrinus caduceus*

*Poteriocrinus calyculus* Hall, 1858 = *Scaphiocrinus calyculus* = *Hypselocrinus calyculus*

*Poteriocrinus calyx* de Koninck and Le Hon, 1854 = *Eupachyocrinus calyx* = *Phanocrinus*  
*calyx*

*Poteriocrinus?* *calyx* Hall, 1879 = *Ampheristocrinus?* *calyx*

*Poteriocrinus cantonensis* Miller and Gurley, 1890 = *Poteriocrinites cantonensis* =  
*Scytalocrinus cantonensis*

*Poteriocrinus capillaris* (Phillips, 1839) = *Gissocrinus capillaris*

*Poteriocrinus carbonarius* Meek and Worthen, 1861 = *Apographiocrinus carbonarius*

*Poteriocrinus (Scaphiocrinus) carbonarius* Meek and Worthen, 1861 =  
*Apographiocrinus carbonarius*

*Poteriocrinus (Zeacrinus) carbonarius* Meek and Worthen, 1861 = *Apographiocrinus carbonarius*

*Poteriocrinus (Scaphiocrinus) carinatus* Whitfield, 1893 = *Pachylocrinus carinatus*

*Poteriocrinus carinatus* Meek and Worthen, 1861 = *Pachylocrinus liliiformis*

*Poteriocrinus carinobrachiatus* Quenstedt, 1885 = *Cyathocrinites multibrachiatus*

*Poteriocrinus circumtextus* Miller and Gurley, 1894 = *Poteriocrinites circumtextus* =  
*Parisocrinus crawfordsvillensis*

*Poteriocrinus clarkii* Williams, 1882 = *Poteriocrinites clarkii* = *Quantoxocrinus clarkii*

*Poteriocrinus clarkii* var. *alpha* Williams, 1882 = *Poteriocrinites clarkii alpha*

*Poteriocrinus claytonensis* Worthen, 1882 = *Poteriocrinites claytonensis*

*Poteriocrinus clytis* Worthen, 1882 = *Poteriocrinites clytis* = *Poteriocrinites peculiaris* =  
*Aphelecrinus peculiaris*

*Poteriocrinus?* *colgatensis* Goldring, 1926 = *Poteriocrinites colgatensis*

*Poteriocrinus columbiensis* Worthen, 1882 = *Decadocrinus columbiensis* =  
*Phacelocrinus columbiensis* = *Aphelecrinus columbiensis*

*Poteriocrinus concinnus* Meek and Worthen 1870 = *Woodocrinus concinnus* =  
*Cydrocrinus concinnus*

*Poteriocrinus (Pachylocrinus) concinnus* Meek and Worthen, 1870 = *Cydrocrinus concinnus*

*Poteriocrinus (Zeacrinus?) concinnus* Meek and Worthen, 1870 = *Woodocrinus concinnus* = *Cydrocrinus concinnus*

*Poteriocrinus conicus* Phillips, 1836 (part) = *Pachylocrinus conicus* = *Bollandocrinus conicus*

*Poteriocrinus conicus* Phillips, 1836 (part) = *Pachylocrinus conicus* = *Bollandocrinus erectus*

*Poteriocrinus* aff. *conicus* Phillips, 1836. Paeckelmann, 1913, p. 336.  
Late Devonian, Etroeungtschiefern. Germany

*Poteriocrinus conoideus* de Koninck and Le Hon, 1854 = *Poteriocrinites conoideus*

*Poteriocrinus coreyi* (Meek and Worthen, 1870) = *Abrotocrinus coreyi*

*Poteriocrinus coreyi* Worthen, 1875 = *Histocrinus coreyi*

*Poteriocrinus* (*Graphiocrinus*, *Scaphiocrinus*) *coreyi* Meek and Worthen, 1870 =  
*Pachylocrinus coreyi* = *Abrotocrinus coreyi*

*Poteriocrinus cornellianus* Williams, 1882 = *Glossocrinus cornellianus*

*Poteriocrinus corphaeus* Miller, 1891 = *Ulrichicrinus agnatus*

*Poteriocrinus corycia* Hall, 1863 = *Pachylocrinus corycia*

*Poteriocrinus* (*Scaphiocrinus*) *corycia* Hall, 1863 = *Pachylocrinus corycia*

*Poteriocrinus coryphaeus* Miller, 1891 = *Ulrichicrinus coryphaeus* = *Ulrichicrinus agnatus*

*Poteriocrinus coxanus* Worthen, 1882 = *Pachylocrinus coxanus* = *Cydrocrinus coxanus*  
= *C. concinnus*

*Poteriocrinus crassiformis* Eichwald, 1856, p. 120. Eichwald, 1860, p. 586, Pl. 33, figs.  
12a-12c. Bigsby, 1868, p. 22. Bassler and Boodey, 1943, p. 647.  
Ordovician, Darriwilian, *Orthoceras* Limestone. Russia

*Poteriocrinus crassimanus* M'Coy, 1849 = *Poteriocrinites crassimanus* = *Pachylocrinus?*  
*Crassimanus* = *Abrotocrinus crassimanus*

*Poteriocrinus crassus* (Miller, 1821) = *Poteriocrinites crassus*

*Poteriocrinus crassus* (Miller, 1821). Termier, G. and Termier, H., 1950, p. 89, Pl. 218,  
fig. 1 (set of arms). Webster, 1973, p. 275.  
Mississippian, late Viséan. Algeria

*Poteriocrinus crawfordsvillensis* Miller and Gurley, 1890 = *Cosmetocrinus*  
*crawfordsvillensis* = *Paracosmetocrinus crawfordsvillensis* = *Hypselocrinus*  
*indianensis* = *H. hoveyi*

*Poteriocrinus crineus* Hall, 1863 = *Cosmetocrinus crineus* = *Scaphiocrinus crineus* =  
*Aphelecrinus crineus*

*Poteriocrinus* (*Scaphiocrinus*) *crineus* Hall, 1863 = *Cosmetocrinus crineus* =  
*Scaphiocrinus crineus* = *Aphelecrinus crineus*

*Poteriocrinus cultidactylus* Hall, 1859 = *Blothrocrinus cultidactylus*

*Poteriocrinus (Scaphiocrinus) cultidactylus* Hall, 1859 = *Blothrocrinus cultidactylus*

*Poteriocrinus cuneatus* Quenstedt, 1876 = *Poteriocrinites cuneatus*

*Poteriocrinus curtus* Müller, 1855 = *Parisocrinus curtus*

*Poteriocrinus cylindricus* Lyon, 1869 = *Poteriocrinites cylindricus* = *Nuxocrinus cylindricus*

*Poteriocrinus dactyloides* (Austin and Austin, 1843 = *Gilmocrinus dactyloides*

*Poteriocrinus (Scaphiocrinus) dactyliformis* Hall, 1858 = *Scaphiocrinus dactyliformis* = *Phacelocrinus dactyliformis*

*Poteriocrinus dactyloides* (Austin and Austin, 1842) = *Poteriocrinus (Scaphiocrinus) dactyloides* = *Scytalocrinus dactyloides* = *Ophiurocrinus dactyloides* = *Gilmocrinus dactyloides*

*Poteriocrinus (Scytalocrinus) dactyloides* (Austin and Austin, 1842) = *Ophiurocrinus dactyloides* = *Gilmocrinus dactyloides*

*Poteriocrinus (Scaphiocrinus) dactylus* (Hall, 1859) = *Scytalocrinus dactylus* = *Cymbiocrinus dactylus*

*Poteriocrinus davisanus* Miller, 1882 = *Poteriocrinites davisanus*

*Poteriocrinus (Scaphiocrinus) decabrachiatus* Hall, 1858 = *Phacelocrinus decabrachiatus*

*Poteriocrinus (Scytalocrinus) decabrachiatus* Hall, 1858 = *Phacelocrinus decabrachiatus*

*Poteriocrinus (Scaphiocrinus) decadactylus* Meek and Worthen, 1860 = *Scytalocrinus decadactylus*

*Poteriocrinus (Scaphiocrinus) decadactylus* (Lyon and Casseday, 1860) = *\*Histocrinus coreyi*

*Poteriocrinus (Scytalocrinus) decadactylus* Meek and Worthen, 1860 = *Scytalocrinus decadactylus*

*Poteriocrinus dekadactylus* (Lyon and Casseday, 1869) = *Poteriocrinites dekadactylus* = *Histocrinus coreyi*

- Poteriocrinus* (*Graphiocrinus*; *Scaphiocrinus*) *delicatus* Meek and Worthen, 1870 = *Aphelecrinus delicatus*
- Poteriocrinus* (*Scaphiocrinus*) *depressus* Meek and Worthen, 1870 = *Decadocrinus depressus* = *Lanecrinus depressus*
- Poteriocrinus* (*Scaphiocrinus*) *dichotomus* Hall, 1858 = *Pachylocrinus dichotomus*
- Poteriocrinus diffusus* Hall, 1862 = *Poteriocrinus?* *diffusus* = *Poteriocrinites diffusus* = *Decadocrinus nereus*
- Poteriocrinus?* *diffusus* Hall, 1862 = *Decadocrinus nereus*
- Poteriocrinus?* *dignatus* Goldring, 1923 = *Poteriocrinites?* *dignatus*
- Poteriocrinus dilatatus* Hall, 1861 = *Coeliocrinus dilatatus*
- Poteriocrinus dilatatus* Schultze, 1866 (*non* Hall, 1861) = *Cosmocrinus dilatatus* = *Costalocrinus dilatatus*
- Poteriocrinus dilatatus* Schultze, 1866 (*part*) = *Vasocrinus weinbergensis*
- Poteriocrinus divaricatus* Hall, 1859 = *\*Lekocrinus divaricatus*
- Poteriocrinus* (*Scaphiocrinus*) *divaricatus* Hall, 1859 = *Pachylocrinus divaricatus* = *\*Lekocrinus divaricatus*
- Poteriocrinus doris* (Hall, 1861) = *Poteriocrinites doris* = *Springericrinus doris*
- Poteriocrinus douglassi* Miller and Gurley, 1896 = *Decadocrinus douglassi* = *Hypselocrinus douglassi*
- Poteriocrinus dubius* Valette, 1934 = *Poteriocrinites?* *dubius*
- Poteriocrinus dudleyensis* (Austin and Austin, 1842) = *Poteriocrinites?* *dudleyensis*
- Poteriocrinus?* *egertoni* Phillips, 1836 = *Onychocrinus polydactylus*
- Poteriocrinus elsahensis* Worthen *in* Miller, 1889 = *Poteriocrinites elsahensis*
- Poteriocrinus?* *enormis* Meek and Worthen, 1861 = *Cyathocrinites enormis* = *Zygotocrinus enormis*
- Poteriocrinus excavatus* M'Coy, 1854 = *Eupachyocrinus impressus* = *Zeacrinites impressus* = *Parazeacrinites impressus*



*Poteriocrinus* (*Decadocrinus*) *fiscellus* (Meek and Worthen, 1870) = *Pelecocrinus fiscellus*

*Poteriocrinus florealis* (Yandell and Shumard, 1847) = *Dasciocrinus floralis*

*Poteriocrinus fountainensis* Worthen, 1882 = *Decadocrinus fountainensis* = *Ramulocrinus fountainensis* = *Lanecrinus fountainensis*

*Poteriocrinus fusiformis* Roemer, 1844 = *Bactrocrinites fusiformis*

*Poteriocrinus fusiformis* Roemer, 1844 = *Bactrocrinites mulleri*

*Poteriocrinus fusiformis* Müller, 1856 (*non* Roemer, 1844) = *Bactrocrinites fusiformis*

*Poteriocrinus fusiformis* Hall, 1861 = *Hypselocrinus fusiformis*

*Poteriocrinus fusiformis* Schultze, 1866 (part) = *Bactrocrinites tenuis*

*Poteriocrinus genista* Miller and Gurley, 1890 = *Blothrocrinus spartarius*

*Poteriocrinus geometricus* (Goldfuss, 1831) = *Sphaerocrinus geometricus*

*Poteriocrinus geometricus* var. *concentricus* Schultze, 1866 = *Sphaerocrinus geometricus concentricus*

*Poteriocrinus geometricus* var. *major* Schultze, 1866 = *Sphaerocrinus geometricus*

*Poteriocrinus geometricus* var. *minor* Schultze, 1866 = *Sphaerocrinus geometricus*

*Poteriocrinus geometricus* var. *ornatus* Schultze, 1866 = *Sphaerocrinus geometricus ornatus*

*Poteriocrinus geometricus* var. *ornatus tuberculatus* (Schultze, 1866) = *Sphaerocrinus geometricus ornatus tuberculatus*

*Poteriocrinus geometricus* var. *reticularis* Schultze, 1866 = *Sphaerocrinus geometricus reticularis*

*Poteriocrinus geometricus* var. *typus* Schultze, 1866 = *Sphaerocrinus geometricus*

*Poteriocrinus* (*Sphaerocrinus*) cf. *geometricus* Goldfuss, 1831. Walther, K., 1907, p. 276, Pl. 13, figs. 6a-6c. (Disarticulated cup plate and stems)  
Late Devonian. Germany

*Poteriocrinus* (*Scaphiocrinus*) *gibsoni* White, 1878 = *Pachylocrinus gibsoni* = *Hylodecrinus gibsoni*

*Poteriocrinus (Cyathocrinus) goniodactylus* (Phillips, 1839) = *Gissocrinus goniadactylus*

*Poteriocrinus gracilis* M'Coy, 1844 = *Poteriocrinites gracilis*

*Poteriocrinus gracilis* Hall, 1847 (*non* M'Coy, 1844) = *Dendrocrinus gracilis*

*Poteriocrinus (Scytalocrinus) grandis* Wachsmuth and Springer, 1880 = *Histocrinus coreyi*

*Poteriocrinus granilineus* Miller and Gurley, 1890 = *Sarocrinus granilineus*

*Poteriocrinus granulatus* Phillips, 1836 (part) = *Euryocrinus granulatus*

*Poteriocrinus granulatus* Phillips, 1836 (part) = *Hydreionocrinus phillipsianus*

*Poteriocrinus granulatus* M'Coy *in* Sedgwick and M'Coy, 1851 = *Hydreionocrinus cf. amplus*

*Poteriocrinus gregarius* Williams, 1882 = *Decadocrinus gregarius*

*Poteriocrinus (Decadocrinus) gregarius* Williams, 1882 = *Decadocrinus gregarius*

*Poteriocrinus (Decadocrinus) gregarius* var. *alpha* Williams, 1882 = *Decadocrinus gregarius*

*Poteriocrinus (Decadocrinus) gregarius* var. *beta* Williams, 1882 = *Decadocrinus gregarius*

*Poteriocrinus (Decadocrinus) gregarius* var. *gamma* Williams, 1882 = *Decadocrinus gregarius*

*Poteriocrinus (Scaphiocrinus) gurleyi* (White, 1878) = *Pachylocrinus aequalis*

*Poteriocrinus hamiltonensis* Worthen, 1882 = *Scytalocrinus hamiltonensis* = *Parascytalocrinus hamiltonensis*

*Poteriocrinus hammondi* Miller and Gurley, 1894 = *Hypselocrinus maccabei*

*Poteriocrinus hardinensis* (Worthen, 1873) = *Poteriocrinites hardinensis*

*Poteriocrinus hemisphericus* Müller, 1856 = *Poteriocrinites hemisphericus*

*Poteriocrinus hemisphericus* Shumard, 1858 (*non* Müller, 1856) = *Scaphiocrinus? hemisphericus* = *Poteriocrinites (Scaphiocrinus?) hemisphericus* = *Delocrinus hemisphericus*

*Poteriocrinus hoveyi* Worthen, 1875 = *Scytalocrinus hoveyi* = *Hypselocrinus hoveyi*

- Poteriocrinus illinoisensis* Worthen, 1882 = *Poteriocrinites illinoisensis* = *Ulrichicrinus?*  
*illinoisensis*
- Poteriocrinus impressus* Phillips, 1836 = *Blothrocrinus impressus* = *Poteriocrinites*  
*impressus*
- Poteriocrinus impressus* Eichwald, 1856, p. 121. Eichwald, 1860, p. 587, Pl. 31, figs.  
43a-43c. Bassler and Moodey, 1943, p. 648.  
Mississippian, series not given. Russia
- Poteriocrinus impressus* Richter and Unger, 1856 (*non* Phillips, 1836) = *Poteriocrinites*  
*impressus*
- Poteriocrinus indentus* Hall, 1862a, p. 94. Hall, 1862b, p. 122. Shumard, 1868, p. 391.  
Miller, S. A., 1889, p. 274. Bassler and Moodey, 1943, p. 648 (types lost,  
description inadequate).  
Devonian, Hamilton Shale. United States, New York
- Poteriocrinus indianensis* Meek and Worthen, 1865 = *Poteriocrinus (Scytalocrinus)*  
*indianensis* = *Cosmetocrinus indianensis* = *Hypselocrinus indianensis*
- Poteriocrinus (Scytalocrinus) indianensis* Meek and Worthen, 1865 = *Cosmetocrinus*  
*indianensis* = *Hypselocrinus indianensis*
- Poteriocrinus (Parisocrinus) intermedius* Wachsmuth and Springer, 1880 = *Parisocrinus*  
*intermedius* = *Pellacrinus intermedius*
- Poteriocrinus (Scaphiocrinus) internodius* Hall, 1858 = *Phacelocrinus internodius*
- Poteriocrinus iowensis* Worthen, 1879c, p. 6. Worthen, 1882b, p. 272. Miller, S. A.,  
1889, p. 274. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 671.  
Kammer and Ausich, 1994, p. 349, *nomen dubium*.  
*Scaphiocrinus iowensis* (Worthen, 1882). Miller, S. A., 1889, p. 280. Weller, S.,  
1898c, p. 544. Kammer and Ausich, 1994, p. 349.  
Mississippian, Viséan (late Osagean), lower part of the Warsaw Formation. United  
States, Iowa
- Poteriocrinus isacobus* Austin and Austin, 1843 = *Poteriocrinites isacobus* =  
*Pachylocrinus isacobus*
- Poteriocrinus jeffriesi* Rowley, 1908 = *Poteriocrinites jeffriesi*
- Poteriocrinus jesupi* Whitfield, 1881 = *Pachylocrinus jesupi* = *Blothrocrinus jesupi*
- Poteriocrinus (Decadocrinus) juvenis* Wachsmuth and Springer, 1880 = *Histocrinus*  
*juvenis*

- Poteriocrinus kaskaskiensis* Worthen, 1882 = \**Ampelocrinus kaskaskiensis*
- Poteriocrinus keokuk* Hall, 1859 = *Ulrichicrinus?* *keokuk*
- Poteriocrinus (Scaphiocrinus) keokuk* Wachsmuth and Springer, 1880 = *P. keokuk* = *Ulrichicrinus?* *keokuk*
- Poteriocrinus kopfi* Goldring, 1935 = *Poteriocrinites kopfi*
- Poteriocrinus labyrinthicus* (Miller, 1891) = *Poteriocrinites labyrinthicus* = *Parisocrinus labyrinthicus*
- Poteriocrinus lasallensis* Worthen, 1875 = *Poteriocrinites lasallensis* = *Hypselocrinus?* *lasallensis* = *Exoriocrinus lasallensis*
- Poteriocrinus latidactylus* Worthen, 1882 = *Pachylocrinus latidactylus* = *Dinotocrinus latidactylus*
- Poteriocrinus latifrons* Austin and Austin, 1847 = *Poteriocrinus (Pachylocrinus) latifrons* = *Pachylocrinus latifrons* = *Mendipocrinus latifrons*
- Poteriocrinus (Pachylocrinus) latifrons* Austin and Austin, 1847 = *Pachylocrinus latifrons* = *Mendipocrinus latifrons*
- Poteriocrinus lautus* Miller and Gurley, 1896 = *Linocrinus lautus* = *L. praemorsus*
- Poteriocrinus legrandensis* Miller and Gurley, 1890 = *Cosmetocrinus elegantulus* = *Aphelecrinus elegantulus*
- Poteriocrinus lepidus* Hall, 1861 = *Pelecocrinus lepidus*
- Poteriocrinus leviculus* (Lyon, 1862) = *Poteriocrinites leviculus*
- Poteriocrinus (Pachylocrinus) lilliformis* Meek and Worthen, 1869 = *Pachylocrinus lilliformis*
- Poteriocrinus (Scaphiocrinus) longicaudatus* Fraipont, 1904 = *Poteriocrinites longicaudatus*
- Poteriocrinus longidactylus* Austin and Austin, 1847 = *Pachylocrinus longidactylus* = *Blothrocrinus longidactylus*
- Poteriocrinus? longidactylus* (de Koninck) Wright, 1925 = *Woodocrinus?* *longidactylus*
- Poteriocrinus longidactylus* Shumard, 1855 = *Culmicrinus missouriensis*

- Poteriocrinus (Scaphiocrinus) longidactylus* (Austin and Austin, 1843) = *Blothrocrinus longidactylus*
- Poteriocrinus (Scaphiocrinus) lyriope* Hall, 1863 = *Decadocrinus lyriope*
- Poteriocrinus maccabei* Miller and Gurley, 1894 = *Scytalocrinus maccabei* = *Hypselocrinus maccabei*
- Poteriocrinus maccabei* var. *decrepitatus* Miller and Gurley, 1894 = *Hypselocrinus maccabei*
- Poteriocrinus macoupinensis* (Worthen, 1873) = *Haeretocrinus macoupinensis*
- Poteriocrinus (Scaphiocrinus) macrocheirus* M'Coy, 1844 = *Pachylocrinus macrocheirus*
- Poteriocrinus (Scytalocrinus) macrodactylus* (Meek and Worthen, 1870) = *Hypselocrinus macrodactylus*
- Posteriocrinus macropleurus* Hall, 1861. Hauser, 2001, p. 143, Figs. 124.
- Poteriocrinus (Scaphiocrinus) macropleurus* (Hall, 1861) = *Poteriocrinites macropleurus* = *Springericrinus macropleurus*
- Poteriocrinus magniventrus* Springer, 1911 = *Springericrinus magniventrus*
- Poteriocrinus (Zeacrinus) magnoliaeformis* Hall, 1858 = *Zeacrinus magnoliaeformis*
- Poteriocrinus magnus* Wright, 1937 = *Poteriocrinites? magnus* = *Poteriocrinites magnus*
- Poteriocrinus malaianus* Wanner, 1916 = *Poteriocrinites malaianus*
- Poteriocrinus mammaeformis* Worthen in Miller, S. A., 1889 = *Culmicrinus? mammaeformis*
- Poteriocrinus mammaeformis* Worthen, 1889 = *Poteriocrinites mammaeformis* = *Culmicrinus? mammaeformis*
- Poteriocrinus maniformis* (Yandell and Shumard, 1847) = *Phanocrinus maniformis*
- Poteriocrinus maschatensis* Romanovsky, 1890, p. 82, Pl. 14, figs. 10a-10c (columnals), 15a-15b (basal plates). Bassler and Moodey, 1943, p. 648. (Probably not *Poteriocrinites*, GDW)  
Mississippian, series not given. Turkestan
- Poteriocrinus* cf. *maschatensis* Romanowsky, 1890. Reed, 1927, p. 111, Pl. 11, fig. 10 (Infrabasal or basal circlet, GDW).  
Permo-Carboniferous. China, Yunnan

*Poteriocrinus mccoynus* de Koninck and Le Hon, 1854 = *Zeacrinites konincki* =  
*Parazeacrinites konincki*

*Poteriocrinus meekanus* Shumard, 1855 = *Poteriocrinites meekianus*

*Poteriocrinus meekianus* Shumard, 1855 = *Poteriocrinites meekianus*

*Poteriocrinus mespiliformis* Richter and Unger, 1856 = *Poteriocrinites mespiliformis*

*Poteriocrinus milleri* Wetherby, 1881 = *Decadocrinus milleri* = *Ramulocrinus milleri* =  
*Lanecrinus milleri*

*Poteriocrinus minutus* Roemer, 1850 = *Lophocrinus minutus*

*Poteriocrinus* aff. *minutus* Roemer, 1850 = *Lophocrinus* aff. *minutus*

*Poteriocrinus missouriensis* Shumard, 1857 = *Scaphiocrinus missouriensis* =  
*Culmicrinus missouriensis*

*Poteriocrinus montanensis* Meek, 1873 = *Scaphiocrinus montanensis* = *Pachylocrinus*  
*montanensis*

*Poteriocrinus multiplex* Trautschold, 1867 = *Moscovicrinus multiplex*

*Poteriocrinus* (*Moscovicrinus*) *multiplex* Trautschold, 1867 = \**Moscovicrinus multiplex*

*Poteriocrinus municipalis* Troost, 1850 = *Rhopocrinus municipalis*

*Poteriocrinus nanus* Roemer, 1863 = *Iteacrinus nanus* = *Rhadinocrinus nanus*

*Poteriocrinus nassa* Hall, 1862 = *Poteriocrinites nassa*

?*Poteriocrinus nauvoensis* Worthen, 1882 = *Scaphiocrinus nauvoensis* =  
*Pachylocrinus nauvoensis* = *Hylodecrinus gibsoni*

*Poteriocrinus neglectus* Miller and Gurley, 1896 = *Hypselocrinus neglectus* = *H.*  
*arcanus*

*Poteriocrinus nereus* Hall, 1862 = *Decadocrinus nereus*

*Poteriocrinus nettelrothanus* Miller, 1882 = *Poteriocrinites nettelrothanus*

*Poteriocrinus nikitini* Stuckenberg, 1905 (1907), p. 25, 118, Pls. 2, fig. 19; 3, fig. 1.  
Bassler and Moodey, 1943, p. 649.  
Pennsylvanian, series not given. Russia

- Poteriocrinus? nobilis* Phillips, 1836 = *Taxocrinus nobilis*
- Poteriocrinus nodobasalis* Worthen, 1889 = *Pachylocrinus nodobasalis*
- Poteriocrinus nodobrachiatus* (Hall, 1861) = *Poteriocrinites nodobrachiatus* =  
*Holcocrinus nodobrachiatus*
- Poteriocrinus norwoodi* Meek and Worthen, 1865 = *Pachylocrinus norwoodi*
- Poteriocrinus (Scaphiocrinus) norwoodi* Meek and Worthen, 1865 = *Pachylocrinus norwoodi*
- Poteriocrinus notabilis* Meek and Worthen, 1870 = *Poteriocrinites notabilis*
- Poteriocrinus (Graphiocrinus, Scaphiocrinus) notabilis* Meek and Worthen, 1870 =  
*Poteriocrinites notabilis*
- Poteriocrinus (Scaphiocrinus) notabilis* Meek and Worthen, 1870 = *Poteriocrinites notabilis*
- Poteriocrinus nuciformis* (Fischer de Waldheim, 1837) = *Poteriocrinites nuciformis*
- Poteriocrinus nuciformis* M'Coy, 1849 (*non* Fischer de Waldheim, 1837) = *Ulocrinus nuciformis* = *Cromyocrinus nuciformis* = *Ureocrinus brockschii*
- Poteriocrinus nycteus* Hall, 1862 = *Botryocrinus nycteus*
- Poteriocrinus obuncus* White, 1862 = *Poteriocrinites obuncus*
- Poteriocrinus occidentalis* Owen and Shumard, 1852 = *Agassizocrinus occidentalis*
- Poteriocrinus occidentalis* Worthen, 1882 = *Scaphiocrinus occidentalis* = *Abrotocrinus occidentalis*
- Poteriocrinus okawensis* Worthen, 1882 = *Pachylocrinus okawensis* = *Aphelecrinus okawensis*
- Poteriocrinus (Scaphiocrinus) okawensis* Worthen, 1882 = *Pachylocrinus okawensis* =  
*Aphelecrinus okawensis*
- Poteriocrinus orestes* Worthen, 1882 = *Scaphiocrinus orestes* = *Abrotocrinus orestes* =  
*A. coreyi*
- Poteriocrinus originarius* Trautschold, 1867 = *Ophiurocrinus originarius*
- Poteriocrinus otterensis* Worthen, 1882 = *Poteriocrinites otterensis* = *Lanecrinus?*  
*otterensis*

*Poteriocrinus pachydactylus* Müller, *Heterocrinus pachydactylus* Sandberger and Sandberger, 1855 = *Nassoviocrinus pachydactylus*

*Poteriocrinus patulus* Müller, 1859 = *Gastrocrinus patulus*

*Poteriocrinus patulus* Follmann, 1887 = *Gastrocrinus follmanni*

*Poteriocrinus peculiaris* Worthen, 1883 = *Aphelecrinus peculiaris*

*Poteriocrinus penicilliformis* Worthen, 1882 = *Decadocrinus penicilliformis*

*Poteriocrinus pentagonus* Austin and Austin, 1843 = *Taxocrinus pentagonus* = *Gaelicrinus pentagonus*

*Poteriocrinus pentonensis* Wright, 1937 = *Poteriocrinites pentonensis* = *Rhabdocrinus pentonensis*

*Poteriocrinus perplexus* Meek and Worthen, 1869 = *Parisocrinus perplexus*

*Poteriocrinus phillipsianus* de Koninck and Le Hon, 1854 = *Hydreionocrinus phillipsianus*

*Poteriocrinus pisiformis* Roemer, 1860 = *Lecanocrinus pisiformis* = *Nummicrinus pisiformis*

*Poteriocrinus planus* (Miller, 1821) = *Cyathocrinites planus*

*Poteriocrinus pleias* Hall, 1863 = *Decadocrinus pleias* = *Hypselocrinus pleias*

*Poteriocrinus plicatus* (Austin and Austin, 1842) = *Poteriocrinites plicatus*

*Poteriocrinus?* near *P. plicatus*. Wright, J., 1920a, p. 382, Pl. 15, fig. 3. Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Poteriocrinus polydactylus* (Shumard, 1857) = *Dendrocrinus polydactylus* = *Cupulocrinus polydactylus*

*Poteriocrinus (Dendrocrinus) polydactylus* (Shumard, 1857) = *Cupulocrinus polydactylus*

*Poteriocrinus popensis* Worthen, 1882 = *Pachylocrinus popensis* = *Fifeocrinus popensis* = *Aphelecrinus popensis*

*Poteriocrinus posticus* Hall, 1866 = *Poteriocrinites (Dendrocrinus) posticus* = *Dendrocrinus posticus*



*Poteriocrinus proboscidalis* Worthen, 1875 = *Rhopocrinus proboscidalis*

*Poteriocrinus (Scaphiocrinus) proboscidalis* Worthen, 1875 = *Rhopocrinus proboscidalis*

*Poteriocrinus propinquus* Worthen, 1882 = *Pachylocrinus propinquus*

cf. *Poteriocrinus propinquus* Worthen, 1882 = *Fifeocrinus* cf. *F. propinquus*

*Poteriocrinus pulaskiensis* Miller and Gurley, 1896 = *Poteriocrinites pulaskiensis* =  
*Wetherbyocrinus pulaskiensis*

*Poteriocrinus pygmaeus* Wenjukoff, 1886 = *Poteriocrinites pygmaeus*

*Poteriocrinus quenstedti* Golowkinsky, 1869 = *Poteriocrinites quenstedti*=  
*Moscovicrinus quenstedti*

*Poteriocrinus (Moscovicrinus?) quenstedti* Golowkinsky, 1868 = *Poteriocrinites quenstedti* = *Moscovicrinus quenstedti*

*Poteriocrinus quinquangularis* (Miller, 1821) = *Parisocrinus quinquangularis*

*Poteriocrinus quinquangularis* Austin, 1842 = *Fiannacrinus quinquangularis*

*Poteriocrinus (Parisocrinus?) quinquangularis* Austin, 1842 = *Fiannacrinus quinquangularis*

*Poteriocrinus (Parisocrinus) quinquangularis* Wachsmuth and Springer, 1880 =  
*Parisocrinus quinquangularis*

*Poteriocrinus radiatus* (Austin and Austin, 1842) = *Parisocrinus radiatus* =  
*Cyathocrinites? radiatus*

*Poteriocrinus radiatus?* de Koninck, 1877 (*non* Austin and Austin, 1842), p. 159, Pl. 6, figs. 2-2a (part of a basal circling or radial indet.). 1898, p. 122, Pl. 6, figs. 2-2a. (radial or basal circling indet.)  
Mississippian?. Australia, New South Wales

*Poteriocrinus (Parisocrinus) radiatus* Austin; Wachsmuth and Springer, 1880 =  
*Cyathocrinites? radiatus*

*Poteriocrinus (Scaphiocrinus) randolphensis* Worthen *in* Meek and Worthen, 1873 =  
*Aphelecrinus randolphensis*

*Poteriocrinus regularis* von Meyer, 1858 = *Culmicrinus regularis*

*Poteriocrinus (Culmicrinus) regularis* von Meyer, 1858 = \**Culmicrinus regularis*

- Poteriocrinus rhenanus* Müller, 1855 (part) = *Poteriocrinites rhenanus* = *Bactrocrinites zeileri* = *Antihomocrinus zeileri*
- Poteriocrinus rhenanus* Müller, 1855 (part) = *Orthocrinus simplex*
- Poteriocrinus rhenanus* Müller, 1855 (part) = indeterminate form belonging questionably to *Eifelocrinus*, *Botryocrinus*, or *Propoteriocrinus* sp. Schmidt, W. E., 1942, p. 220. Webster, 1973, p. 223.  
Devonian, late upper Emsian (Coblenzian), Kieselgallen Beds. Germany
- Poteriocrinus rhombiferus* Owen and Shumard, 1852 = *Baryocrinus rhombiferus*
- Poteriocrinus (Scaphiocrinus?) rhombiferus* Owen and Shumard, 1852 = *Baryocrinus rhombiferus*
- Poteriocrinus ribblesdalensis* Wright, 1942 = *Baryocrinus ribblesdalensis*
- Poteriocrinus richfieldensis* Worthen, 1882 = *Cosmetocrinus richfieldensis* = *Aphelecrinus richfieldensis*
- Poteriocrinus robbi* Roy, 1929 = *Poteriocrinites robbi* = *Cydrocrinus robbi*
- Poteriocrinus (Scytalocrinus) robustus* (Hall, 1861) = *Scytalocrinus robustus*
- Poteriocrinus rostratus* Austin and Austin, 1842 = *Poteriocrinus (Scytalocrinus) rostratus* = *Scytalocrinus rostratus* = *Phacelocrinus rostratus* = *Gaelicrinus rostratus*
- ?*Poteriocrinus rostratus* (Austin); Austin and Austin, 1846 (part) = *Gilmocrinus dactyloides*
- Poteriocrinus (Scytalocrinus) rostratus* Austin; Wachsmuth and Springer, 1880 = *Gaelicrinus rostratus*
- Poteriocrinus (Scytalocrinus) rostratus* Austin and Austin, 1842 = *Scytalocrinus rostratus* = *Phacelocrinus rostratus* = *Gaelicrinus rostratus*
- Poteriocrinus rowleyi* Worthen in Miller, 1889 = *Poteriocrinites rowleyi*
- Poteriocrinus rugosus* Shumard, 1858 = *Delocrinus rugosus*
- Poteriocrinus rugosus* Grenfell, 1876 = *Poteriocrinites rugosus* = *Blothrocrinus rugosus* = *Blothrocrinus longidactylus*
- Poteriocrinus salignoides* White, 1862 (non Shumard, 1858) = *Parisocrinus salignoides*
- Poteriocrinus salteri* Worthen, 1882 = *Scaphiocrinus salteri* = *Dinotocrinus salteri*

- Poteriocrinus sampsoni* Miller and Gurley, 1895 = *Cercidiocrinus?* *sampsoni*
- Poteriocrinus scopae* Miller and Gurley, 1890 = *Blothrocrinus spartarius*
- Poteriocrinus (Scaphiocrinus) scoparius* Hall, 1858 = *Scaphiocrinus scoparius* =  
*Pachylocrinus scoparius* = *Aphelecrinus scoparius*
- Poteriocrinus (Zeacrinus) scoparius* (Hall, 1861) (*non* Hall, 1858) = *Eratocrinus scoparius* = *Asetocrinus scoparius*
- Poteriocrinus scotocarbonarius* Wright, 1937 = *Poteriocrinites scotocarbonarius* =  
*\*Rhabdocrinus scotocarbonarius*
- Poteriocrinus sculptus* Worthen, 1882 = *Scaphiocrinus sculptus* = *Abrotocrinus sculptus*
- Poteriocrinus sigillatus* Quenstedt, 1876 = *Poteriocrinites sigillatus*
- Poteriocrinus similis* Worthen, 1882 = *Poteriocrinites similis*
- Poteriocrinus simplex* Lyon, 1869 = *Poteriocrinites simplex*
- Poteriocrinus (Scaphiocrinus) simplex* Hall, 1858 = *Graphiocrinus simplex*
- Poteriocrinus?* *smithi* Etheridge, 1892 = *Poteriocrinites smithi* = "*Poteriocrinites?*"? *smithi*
- Poteriocrinus solidus* Meek and Worthen, 1861 = *Pelecocrinus solidus*
- Poteriocrinus (Scaphiocrinus) solidus* Meek and Worthen, 1861 = *Pelecocrinus solidus*
- Poteriocrinus spartarius* Miller and Gurley, 1890 = *Pachylocrinus spartarius* =  
*Blothrocrinus spartarius*
- Poteriocrinus spinobrachiatus* Worthen, 1882 = *Scaphiocrinus spinobrachiatus* =  
*Pachylocrinus spinobrachiatus*
- Poteriocrinus spinosus* Owen and Shumard, 1852 = *Dasciocrinus spinosus* = *D. floralis*
- Poteriocrinus spinuliferous* Worthen, 1884 = *Linocrinus spinuliferous*
- Poteriocrinus spissus* de Koninck and Le Hon, 1854 = *Poteriocrinites spissus*
- Poteriocrinus stadiodactylus* Whidborne, 1896 = *Scytalocrinus stadiodactylus* =  
*Bridgerocrinus stadiodactylus*
- Poteriocrinus stellaris* Schultze, 1866 = *Parisocrinus stellaris* = *Vasocrinus stellaris*

*Poteriocrinus (Pachylocrinus) subaequalis* Wachsmuth and Springer, 1880 =  
*Pachylocrinus aequalis*

*Poteriocrinus subgracilis* d'Orbigny, 1849 = *Dendrocrinus gracilis*

*Poteriocrinus subimpressus* Meek and Worthen, 1861 = *Graphiocrinus subimpressus*

*Poteriocrinus subramosus* Miller and Gurley, 1890 = *Parisocrinus subramosus* = *P. crawfordsvillensis*

*Poteriocrinus subramulosus* Worthen, 1882 = *Cydrocrinus subramulosus*

*Poteriocrinus subtumidus* Meek and Worthen, 1865 = *Eupachylocrinus subtumidus*

*Poteriocrinus (Scaphiocrinus) subtumidus* Meek and Worthen, 1865 = *Ageneracrinus subtumidus* = *Eupachylocrinus subtumidus*

*Poteriocrinus (Zeacrinus) subtumidus* Meek and Worthen, 1873 = *Eupachylocrinus subtumidus*

*Poteriocrinus swallowi* Meek and Worthen, 1860 = *Scaphiocrinus swallowi* =  
*Blothrocrinus swallowi*

*Poteriocrinus talboti* Worthen, 1882 = *Scytalocrinus talboti*

*Poteriocrinus tensus* Whidborne, 1896 = *Culmicrinus tensus* = *Aphelecrinus tensus*

*Poteriocrinus tentaculatus* Worthen, 1883 = *Woodocrinus tentaculatus* = *Sarocrinus tentaculatus* = *S. varsoviensis*

*Poteriocrinus tenuibrachiatus* Meek and Worthen, 1861 = *Parisocrinus tenuibrachiatus*

*Poteriocrinus tenuidactylus* Worthen, 1882 (non Meek and Worthen, 1865) (part) =  
*Sarocrinus varsoviensis*

*Poteriocrinus tenuidactylus* Worthen, 1882 (non Meek and Worthen, 1865) (part) =  
*Armenocrinus tenuidactylus*

*Poteriocrinus (Scaphiocrinus) tenuidactylus* Worthen, 1882 (part) = *Pachylocrinus obscurus* (part) = *Sarocrinus tentaculatus* = *S. varsoviensis*

*Poteriocrinus (Scaphiocrinus) tenuidactylus* Meek and Worthen, 1865 = *Pelecocrinus tenuidactylus*

*Poteriocrinus tenuis* (Miller, 1821) = *Scytalocrinus tenuis*

- Poteriocrinus tenuis?* de Koninck, 1877 (*non* Miller, 1821), p. 159, Pl. 6, figs. 7-7a. de Koninck, 1898, p. 121, Pl. 6, figs. 7-7a (basal plate indet. )  
Mississippian, late Tournaisian?. Australia, New South Wales
- Poteriocrinus tenuissimus* Eichwald, 1856, p. 120. Eichwald, 1860, p. 590, Pl. 31, figs. 41a-41c. Bassler and Moodey, 1943, p. 650.  
Mississippian, series not given. Russia
- Poteriocrinus (Graphiocrinus, Scaphiocrinus) tethys* Meek and Worthen, 1869 =  
*Hypselocrinus tethys*
- Poteriocrinus (Scaphiocrinus) tethys* Meek and Worthen, 1869 = *Hypselocrinus tethys*
- Poteriocrinus trabeculatus* Quenstedt, 1885 = *Sphaerocrinus trabeculatus*
- Poteriocrinus tumidus* Owen and Shumard, 1852 = *Agassizocrinus tumidus*
- Poteriocrinus ulrichi* Worthen, 1889 = *Poteriocrinites ulrichi* = *Ramulocrinus ulrichi* =  
*Lanecrinus depressus*
- Poteriocrinus (Scaphiocrinus) unicus* (Hall, 1861) (part) = *Abrotocrinus unicus*
- Poteriocrinus (Scaphiocrinus) unicus* (Hall, 1861) (part) = *Abrotocrinus unicus* = *A. cymosus*
- Poteriocrinus (Scytalocrinus) urna* (Trautschold, 1879) = *Scytalocrinus urna*
- Poteriocrinus vagulus* Miller and Gurley, 1895 = *Poteriocrinites vagulus* = *Culmicrinus vagulus*
- Poteriocrinus validus* Worthen, 1882 = *Poteriocrinites validus* = *Hylodecrinus? validus*
- Poteriocrinus vanhornei* Worthen, 1875 = *Poteriocrinus (Scytalocrinus) vanhornei* =  
*Phacelocrinus vanhornei*
- Poteriocrinus (Scytalocrinus) vanhornei* Worthen, 1875 = *Phacelocrinus vanhornei*
- Poteriocrinus varians* Eichwald, 1856, p. 120. Eichwald, 1860, p. 591, Pl. 31, figs. 30-31, 34, 40a-40c. Bassler and Moodey, 1943, p. 650.  
Mississippian, series not given. Russia
- Poteriocrinus varsoviensis* Worthen, 1882 = *Scaphiocrinus varsoviensis* =  
*Pachyocrinus varsoviensis* = *Sarocrinus varsoviensis*
- Poteriocrinus ventricosus* Hall, 1861 = *Coeliocrinus ventricosus*

*Poteriocrinus venustus* Worthen, 1882 = *Scaphiocrinus venustus* = *Pachylocrinus venustus* = *Aphelecrinus venustus*

*Poteriocrinus verneuili* Cailliaud, 1861 = *Poteriocrinites verneuili*

*Poteriocrinus verticillus* Hall, 1862a, p. 94. Hall, 1862b, p. 122. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 276. Bassler and Moodey, 1943, p. 650 (description inadequate, type lost).  
Devonian, Hamilton Shale. United States, New York

*Poteriocrinus verus* Miller and Gurley, 1890 = *Poteriocrinites verus* = *Culmicrinus verus*

*Poteriocrinus wachsmuthi* Meek and Worthen, 1861 = *Holcocrinus wachsmuthi*

*Poteriocrinus (Scaphiocrinus) wachsmuthi* Meek and Worthen, 1861 = *Graphiocrinus wachsmuthi* = *Holcocrinus wachsmuthi*

*Poteriocrinus waltersi* Rowley and Hare, 1891 = *Poteriocrinites waltersi*

*Poteriocrinus wetherbyi* Miller, 1879 = *Phacelocrinus wetherbyi* = *P. longidactylus*

*Poteriocrinus (Scytalocrinus) wetherbyi* Miller, 1879 = *Phacelocrinus wetherbyi* = *P. longidactylus*

*Poteriocrinus whitei* (Hall, 1861) = *Ascetocrinus whitei*

*Poteriocrinus wortheni* (Lyon, 1861) = *Poteriocrinites wortheni*

*Poteriocrinus zaeiformis* Schultze, 1866 = *Parisangulocrinus zaeiformis*

*Poteriocrinus zethus* Williams, 1882 = *Poteriocrinites zethus* = *Bridgerocrinus zethus*

*Poteriocrinus (Decadocrinus) zethus* Williams, 1882 = *Poteriocrinus zethus* = *Poteriocrinites zethus* = *Bridgerocrinus zethus*

*Poteriocrinus* sp. authors = *Poteriocrinites* sp.

*Poteriocrinus* sp. Whidborne, 1898 (pt) = *Glossocrinus? salebrosus*

*Poteriocrinus* sp. Whidborne, 1898 (pt) = *Glossocrinus? sp.*

*Poteriocrinus?* sp. Girty, 1915a, p. 34.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

**POTERIOCRINITES** Fischer de Waldheim, 1834 = **POTERIOCRINITES**

**POTTSICRINUS** Jillson, 1960 = **BARYCRINUS**

*Pottsicrinus quinstilus* Jillson, 1960 = *Barycrinus quinstilus*

**PRADOCRINUS** de Verneuil, 1850. \**P. baylii* de Verneuil, 1850.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

de Verneuil, 1850, p. 184. Pictet, 1857, p. 322. Dujardin and Hupé, 1862, p. 136.

Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 597. Breimer, 1962a, p. 26. Webster, 1973, p. 224. Macurda, 1974, p. 823, Figs. 1-2. Ubaghs in Moore and Teichert, 1978, p. T447. Webster, 1986, p. 262.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, early Emsian. Spain, Asturia

\**Pradocrinus baylii* de Verneuil, 1850, p. 184. Pictet, 1857, p. 322, Pl. 101, fig. 2.

Dujardin and Hupé, 1862, p. 137. Bassler, 1938, p. 157. Breimer, 1962a, p. 27, Pl. 3, figs. 2-9. Webster, 1973, p. 224. Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 255, no. 3. Webster, 1986, p. 262. Hauser in Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 2. Hauser, 2007, p. 21, Fig. 2.

Devonian, early Emsian, La Vid Formation, numerous unnamed formations. Spain, Asturia

*Pradocrinus baylii* de Verneuil, 1850 = *Periechocrinites baylii* = *Periechocrinus baylii*

**PRAECUPULOCRINUS** Brower, 1992. \**Dendrocrinus conjugans* Billings, 1857, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinoidea, F. Merocrinidae

Brower, 1992a, p. 107. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Sandbian – Katian species

Ordovician, Sandbian - Katian. North America

Ordovician, Katian. United Kingdom, Scotland

\**Praecupulocrinus conjugans* (Billings, 1857). Brower, 1992a, p. 111, Figs. 8-11, 17.6-17.10. Brower, 2006, p. 431, Fig. 1, nos. 6-7, 14-15. Brower, 2007b, p. 1285, Fig. 2, nos. 4-6. Sloan, 2005, p. 153, Fig. 4-61, no. 7.

*Dendrocrinus conjugans* Billings, E., 1857a, p. 268. Billings, E., 1859a, p. 41, Pl. 4, figs. 1-2. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Grabau and Shimer, 1910, p. 504. Bassler, 1915, p. 314. Bassler and Moodey, 1943, p. 386. Brower, 1992a, p. 111.

*Cupulocrinus conjugans* (Billings, 1859). Bassler, 1915, p. 314. Bassler and Moodey, 1943, p. 386. Wilson, A. E., 1946, p. 36, Pl. 6, fig. 6. Webster, 1973, p. 92. Kolata, 1975, p. 37, Pl. 6, fig. 4. Webster, 1986, p. 110. Brower, 1992a, p. 111.

*Dendrocrinus cylindricus* Billings, E., 1859a, p. 44, Pl. 3, figs. 8a-8b. Shumard, 1868, p. 365. Bigsby, 1868, p. 19. Miller, S. A., 1889, p. 238. Grabau and Shimer, 1910, p. 505. Bassler, 1915, p. 314. Bassler and Moodey, 1943, p. 387. Brower, 1992a, p. 111.

*Cupulocrinus cylindricus* (Billings), 1859. Bassler and Moodey, 1943, p. 387.  
Brower, 1992a, p. 111.

*Cupulocrinus* sp. aff. *C. conjugans* (Billings, 1857). Brower, 1992a, p. 111.  
Ordovician, Sandbian – Katian, Galena Group, Dunleith Formation, Rivoli Member, Sherwood Member, Sinsinawa Member; Platteville Group, Nachusa Formation; Hull Limestone; Cobourg Limestone; Nachusa Formation, lower part of Eldena Member. United States, Minnesota, Iowa, Illinois; Canada, Quebec

*Praecupulocrinus? gracilis* (Ramsbottom, 1961). Brower, 1992a, p. 108.

*Cupulocrinus gracilis* Ramsbottom, 1961 (*non* Hall), p. 13, Pl. 5, figs. 6-7. Webster, 1973, p. 92. Kolata, 1975, p. 37, Pl. 7, figs. 6-8. Brower and Veinus, 1978, p. 426, Pl. 13, figs. 5, 7. Webster, 1986, p. 110. Brower, 1992a, p. 108.

*Cupulocrinus drummuckensis* Kolata, 1975. Brower, 1992a, p. 108. Donovan, Paul, and Lewis, 1996, p. 211, Pl. 40, fig. 4. Hope, 2004, p. 35, Fig 1. Donovan, Sutton, and Sigwart, 2010, p. 459, fig. 7, no. A.

Ordovician, Sandbian – Katian (Ashgillian), upper part of Drummuck Group; Platteville Limestone, Hidden Falls Member; Mifflin Formation; Grand Detour Formation; Lady Burn Starfish Bed. United Kingdom, Scotland; United States, Illinois, Wisconsin, Minnesota

**PRAECURSORICRINUS** Frest, Strimple, and McGinnis, 1979 = **COLUMBIACRINUS**

*Praecursoricrinus sulphurensis* Frest, Strimple, and McGinnis, 1979 = *Columbiacrinus sulphurensis*

**PRAEDICTICRINUS** Frest and Strimple, 1980. \**P. depressus* Frest and Strimple, 1980.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hirneacrinidae

Frest and Strimple, 1980, p. 260. Webster, 1986, p. 262.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, Ludlovian. United States, Oklahoma

\**Praedicticrinus depressus* Frest and Strimple, 1980, p. 260, Fig. 3, nos. a-c. Webster, 1986, p. 263.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

*Praedicticrinus* - like form Frest and Strimple, 1980, p. 257, Fig. 1, no. b.

No age or locality given

**PREGAZACRINUS** Witzke and Strimple, 1981. \**P. hemisphericus* Witzke and Strimple, 1981.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Gazacrinidae  
Witzke and Strimple, 1981, p. 113. Webster, 1988, p. 137.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species

Silurian, late Llandoveryan. United States, Iowa



\**Pregazacrinus hemisphericus* Witzke and Strimple, 1981, p. 113, Pl. 1, figs. 23-24;  
Fig. 6. Webster, 1988, p. 137.

Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

**PREMANICRINUS** Frest and Strimple, 1982. \**Ampheristocrinus dubius* Weller, 1900.  
Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Manicrinidae  
Frest and Strimple, 1982, p. 722. Webster, 1988, p. 137.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, late Llandoveryan - ?early Wenlockian. United States, Illinois

\**Premanicrinus dubius* (Weller, 1900). Frest and Strimple, 1982, p. 723, Figs. 2, no. b;  
3. Webster, 1988, p. 138.

*Ampheristocrinus dubius* Weller, S., 1900, p. 67, Pl. 14, fig. 11. Bassler, 1915, p.  
32. Bassler and Moodey, 1943, p. 297.

Silurian, late Llandoveryan - ?early Wenlockian, Racine Dolomite; Joliet Formation,  
Romero Member. United States, Illinois

**PRESCHERICRINUS** Hauser, 2004. \**Preschericrinus walsdorfensis* Hauser, 2004.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Rhodocrinitoidea, F.  
Rhodocrinitidae

Hauser, 2004a, p. 8.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Givetian species

Devonian, Givetian. Germany

\**Preschericrinus walsdorfensis* Hauser, 2004a, p. 9, Pl. 1, figs. 4a-4c; Fig. 2, nos. a-c.  
Devonian, Givetian, boundary beds Ahbach/Loogh Formations. Germany

Primaxial plate of an advanced inadunate crinoid, stereom Lapham, Ausich, and Lane,  
1976, p. 247, Fig. 1, no. E. Webster, 1986, p. 323.

No age given.

Primibrachial plate of a flexible crinoid Lapham, Ausich, and Lane, 1976, p. 247, Fig.  
1, no. B. Webster, 1986, p. 323.

No age given

Primitive Cladid? radial indeterminate 1 Webster et al., 2011, p. 44, Fig. 14, no. l.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 2 Webster et al., 2011, p. 45, Fig. 14, no. m.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 3 Webster et al., 2011, p. 45, Fig. 14, no. dd.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 4 Webster et al., 2011, p. 45, Fig. 14, no. v.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 5 Webster et al., 2011, p. 46, Fig. 14, no. w.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 6 Webster et al., 2011, p. 46, Fig. 14, nos. bb-cc.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive Cladid? radial indeterminate 7 Webster et al., 2011, p. 46, Fig. 14, no. x.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

Primitive poteriocrinine insertae sedis, n. gen., n. sp. undesignated Webster, 1997, p.  
35, Pl. 8, fig. 1.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon  
Formation. United States, Utah

**PRININOCRINUS** Goldring, 1938. \**P. robustus* Goldring, 1938.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Goldring, 1938b, p. 17. Bassler and Moodey, 1943, p. 651. Moore and Laudon,  
1943b, p. 59. Strimple and Moore, 1971a, p. 6. Webster, 1973, p. 238. Webster,  
1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, p. T647.  
Webster, 1986, p. 263. Webster and Jell, 1999a, p. 270.

Named, currently recognized species based on cups or crowns: 2 species. 1 Late  
Devonian, ?Frasnian; 1 Mississippian, Tournaisian  
Devonian, ?Frasnian. Canada, Northwest Territories  
Mississippian, Tournaisian (Cull). Australia, New South Wales

*Prininocrinus namoiensis* Webster and Jell, 1999a, p. 270.

*Histocrinus* sp. nov. Campbell and Bein, 1971, p. 423, Pl. 50, figs. 8-9; Fig. 4.  
Webster, 1977, p. 97.

Mississippian, late Tournaisian, (Cull), Naomi Formation. Australia, New South  
Wales

\**Prininocrinus robustus* Goldring, 1938b, p. 18, Pl. 2, figs. 3-4; Fig. 1. Bassler and  
Moodey, 1943, p. 651. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T647, Fig. 422, no. 4. Webster, 1986, p. 263.

Devonian, ?Frasnian, Canada, Northwest Territories, Mackenzie River Basin

**PROALLOSOCRINUS** Moore and Strimple, 1973. \**P. glenisteri* Moore and  
Strimple, 1973.

Sbc. Cladida, F. uncertain

Moore and Strimple, 1973, p. 77. Moore and Strimple *in* Moore and Teichert, 1978,  
p. T742. Webster, 1986, p. 263.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian,  
species, 3 Morrowan, 1 Atokan  
Pennsylvanian, Morrowan - Atokan. United States

*Proallosocrinus anatonus* (Washburn, 1968) = *Proallosocrinus secundus*

*Proallosocrinus anatonis* (Washburn, 1968) = *Proallosocrinus secundus*

*Proallosocrinus cuneatus* (Washburn, 1968). Moore and Strimple, 1973, p. 77.  
Webster, 1977, p. 145.

*Cymbiocrinus cuneatus* Washburn, 1968, p. 121, Pl. 1, figs. 7-9. Moore and Strimple, 1973, p. 77. Webster, 1973, p. 97. Webster, 1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, p. T739. Webster, 1986, p. 46.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

*Proallosocrinus exemptus* Strimple 1975e, p. 24, Fig. 15, nos. 1-4. Webster, 1986, p. 263.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member. United States, Oklahoma

\**Proallosocrinus glenisteri* Moore and Strimple, 1973, p. 77, Pl. 9, figs. 2a-2e.

Webster, 1977, p. 145. Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 138, no. 4. Moore and Strimple *in* Moore and Teichert, 1978, p. T742, Fig. 491, no. 2. Webster, 1986, p. 263.

Pennsylvanian, Morrowan, Gene Autry Formation. United States, Oklahoma

*Proallosocrinus secundus* (Washburn, 1968). Moore and Strimple, 1973, p. 77.  
Webster, 1977, p. 145.

*Aesiocrinus secundus* Washburn, 1968, p. 119, Pl. 1, figs. 1-3. Moore and Strimple, 1973, p. 77. Webster, 1973, p. 41. Webster, 1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, p. T739, Fig. 488, no. 2i. Webster, 1986, p.

46.

*Proallosocrinus anatonus* (Washburn, 1968). Webster, 1977, p. 145.

*Proallosocrinus anatonis* (Washburn, 1968). Moore and Strimple, 1973, p. 77, Pl. 19, fig. 1.

*Cymbiocrinus anatonus* Washburn, 1968, p. 120, Pl. 1, figs. 4-6. Webster, 1973, p. 97. Webster, 1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, p. T739. Webster, 1986, p. 46.

*Cymbiocrinus anatonis* Washburn, 1968. Moore and Strimple, 1973, p. 77.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

**PROAMPELOCRINUS** Gupta and Webster, 1974. \**P. himalayaensis* Gupta and Webster, 1974.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. uncertain, related to blathrocrinids

Gupta and Webster, 1974, p. 337. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676. Webster, 1986, p. 263.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian – Viséan species

Mississippian, late Tournaisian - early Viséan. India

\**Proampelocrinus himalayaensis* Gupta and Webster, 1974, p. 339, Figs. 1-2.

Webster, 1986, p. 263. Ahluwalia, 1989, p. 13.

Mississippian, late Tournaisian-early Viséan. India

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a. Ahluwalia, 1989, reported the original discovery of this specimen from the Lahul-Spiti area.

**PROANISOOCRINUS** Frest and Strimple, 1978. \**P. oswegoensis* Miller and Gurley, 1894.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Homalocrinidae

Frest and Strimple, 1978a, p. 686. Webster, 1986, p. 263.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (late Cincinnati). United States, Illinois

\**Proanisocrinus oswegoensis* (Miller and Gurley, 1894). Frest and Strimple, 1978a, p. 686, Figs. 2, no. B; 6, nos. H-J; 7, no. B. Webster, 1986, p. 264. Brower, 2001, p.

373, Figs. 4-5.

*Lecanocrinus oswegoensis* Miller and Gurley, 1894a, p. 33, Pl. 3, figs. 15-17. Miller, S. A., 1897, p. 748. Bassler, 1915, p. 46. Bassler and Moodey, 1943, p. 302.

Frest and Strimple, 1978a, p. 686. Webster, 1986, p. 264.

*Anisocrinus oswegoensis* (Miller and Gurley, 1894). Bassler, 1915, p. 46.

Springer, 1920a, p. 164, Pl. 10, figs. 7a-7c. Springer, 1926a, p. 66, Pl. 20, fig. 18. Bassler and Moodey, 1943, p. 302. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 7. Webster, 1973, p. 52. Frest and Strimple, 1978a, p. 686. Webster, 1986, p. 264.

Ordovician, Katian (late Cincinnati), Maquoketa Group. United States, Illinois

**PROAPSIDOCRINUS** Wanner, 1924. \**P. permicus* Wanner, 1924.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F.

Prophylocrinidae

Wanner, 1924, p. 116. Wanner, 1937, p. 106. Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 651. Moore and Laudon, 1943b, p. 74. Branson, C. C., 1948, p.

209. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 224. Moore *in* Moore and Teichert, 1978, p. T788, Figs. 506, no. 18b; 509, no. 1b. Webster, 1986, p. 264.

Named, currently recognized species based on cups or crowns: 3 Permian species, series uncertain

Permian, series uncertain. West Timor

*Proapsidocrinus cuspidatus* (Wanner, 1916). Wanner, 1937, p. 106. Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210.

*Prophylocrinus cuspidatus* Wanner, 1916, p. 278, Pl. 111 (16), figs. 9-10; Fig. 70. Wanner, 1924, p. 116, Fig. 6. Wanner, 1930, p. 42, Pl. 4, figs. 2-4; Figs. 26-27.

Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210. Moore *in* Moore and Teichert, 1978, p. T788, Figs. 528, no. 2a; 529, figs. 3a-3b. Webster, 1986, p. 266.

*Proapsidocrinus permicus* Wanner, 1930, p. 44 (*non* Wanner, 1924). Bassler and Moodey, 1943, p. 651.

Permian, series uncertain. West Timor, Basleo, Noil Fatoe, between Niki-Niki and Noil Fatoe

*Proapsidocrinus dentatus* Kendrick, 2007, p. 340, Fig. 4, no. C.

**Note:** Probably in error for *Prophylocrinus dentatus*, GDW, 2010. Permian, series uncertain. West Timor

\**Proapsidocrinus permicus* Wanner, 1924, p. 117, Pl. 6, figs. 14-16. Bassler, 1938, p. 157. Marez Oyens, 1940a, p. 315, Pl. 3, fig. 5. Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210. Moore *in* Moore and Teichert, 1978, p. T788, Figs. 528, no. 1; 529, no. 1. Webster, 1986, p. 264. Permian, series uncertain. West Timor, Basleo

*Proapsidocrinus permicus* Wanner, 1930 (*non* 1924) = *Proapsidocrinus cuspidatus*

(probably *Endelocrinus* sp.) Rollins, Carothers, and Donahue, 1979 = Crinoids

**PROBLEMATICOCRINUS** Hauser, 2004. \**Rhodocrinus quinquelobus* Schultze, 1966. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae

Hauser, 2004b, p. 13.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Problematicocrinus quinquelobus* (Schultze, 1866). Hauser, 2004b, p. 13, Pl. 1, fig. 3; Figs. 6, 8-11.

*Rhodocrinus quinquelobus* Schultze, 1866, p. 57 (adv. pub.). Schultze, 1867, p. 169, Pl. 7, fig. 6. Bassler and Moodey, 1943, p. 665. Hauser, 1997, p. 132. Hauser, 2004b, p. 13.

*Rhodocrinites quinquelobus* (Schultze, 1866). Bassler and Moodey, 1943, p. 665. Hauser, 2001, p. 23, 68, Pl. 10, figs. 1-1b; Figs. 49a, 54.

Devonian, Eifelian, ?Freilingen Formation; Givetian, ?Loogh Formation. Germany

Problematicum 1 Haude, 2004b, p. 242, Pl. 1, figs. 15-17.

Devonian, late Famennian, Etröungt, Middle *expansa* Biozone. Germany

Problematicum 2 Haude, 2004b, p. 242, Fig. 5, nos. A-B.

Devonian, late Famennian, Etröungt, Middle *expansa* Biozone. Germany

**PROBLETOCRINUS** Strimple and Moore, 1971. \**P. curtus* Strimple and Moore, 1971. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Strimple and Moore, 1971a, p. 26. Webster, 1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, 1978, p. T701, Fig. 457. Webster, 1981, p. 1195, Fig. 1. Webster, 1986, p. 264. Webster, 1988, p. 137.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Missourian species

Pennsylvanian, Missourian. United States, Illinois

\**Probletoocrinus curtus* Strimple and Moore, 1971a, p. 26, Pls. 7, fig. 2; 14, figs. 2a-2c. Webster, 1977, p. 145. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 461, no. 3. Webster, 1986, p. 264.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

Proboscis einer Crinoide sp. indet. Hauser, 2001, Pl. 13, fig. 4.

Proboscis eines unbekanntes Krinten Sandberger and Sandberger, 1850-1856, p. 384, Unnum. Fig. (anal tube)

Devonian, Eifelian, Stringocephalenkalke. Germany

**PROCHOIDIOCRINUS** Wanner, 1937. \**P. nodosus* Wanner, 1937.

Sbc. Cladida, Sbo. Cyathocrinida, Spf. Codiocrinoidea, F. Codiocrinidae  
Wanner, 1937, p. 127. Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 651. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 210. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 96. Webster, 1973, p. 224. Webster, 1977, p. 146. Lane and Moore *in* Moore and Teichert, 1978, p. T601. Webster, 1986, p. 264.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Prochoidiocrinus nodosus* Wanner, 1937, p. 128, Pl. 9, figs. 11-14; Fig. 35. Bassler, 1938, p. 157. Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210. Arendt, 1970a, p. 96, Fig. 11. Webster, 1977, p. 146. Lane and Moore *in* Moore and Teichert, 1978, p. T601, Figs. 384, no. 3; 387, no. 2. Webster, 1986, p. 264. Permian, series uncertain. West Timor, Basleo

**PROCLIVOCRINUS** Ringuenberg, 1889 = *EUCHEIROCRINUS* = **CALCEOOCRINUS**

*Proclivocrinus chrysalis* (Hall, 1860) = *Eucheirocrinus chrysalis* = *Calceocrinus chrysalis*

*Proclivocrinus radiculatus* (Ringuenberg, 1882) = *Eucheirocrinus chrysalis* = *Calceocrinus chrysalis*

**PROCTENOCRINUS** Jaekel, 1918 = **PROMELOCRINUS**

**PROCTOTHYLACOCRINUS** Kier, 1952. \**P. longus* Kier, 1952.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Proctothylacocrinidae

Kier, 1952, p. 72. Webster, 1973 p. 224. Webster, 1977, p. 146. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T638. Webster, 1986, p. 264.

Webster,  
1988, p. 137.

Named, currently recognized species based on cups or crowns: 3 Devonian, Givetian species

Devonian, early Givetian. North America

*Proctothylacocrinus berryorum* Kesling, 1971d, p. 343, Pls. 1-2. Webster, 1977, p. 146.

Devonian, early Givetian, Arkona Shale. Canada, Ontario

*Proctothylacocrinus esseri* Kesling, 1965c, p. 77, Pls. 1, figs. 1-5; 2, figs. 1-2. Kesling, 1968b, p. 133, Pls. 1-2; Figs. 1-4. Kesling, 1971d, p. 344. Webster, 1973, p. 224. Kesling and Chilman, 1975, p. 163, Pl. 23, Figs. 1-3. Webster, 1977, p. 146. Signor and Brett, 1984, p. 238, Fig. 8, no. D. Webster, 1986, p. 264. Webster, 1988, p. 137.

Devonian, early Givetian, Silica Formation. United States, Ohio

\**Proctothylacocrinus longus* Kier, 1952, p. 72, Pls. 2, figs. 1-4; 4, fig. 1. Kesling, 1965c, p. 78, Pls. 3, figs. 1-7; 4, figs. 1-6; 5, figs. 1-12; Fig. 1. Kesling, 1969b, p. 313, Figs. 1-14. Kesling, 1971d, p. 344. Webster, 1973, p. 224. Kesling and Chilman, 1975, p. 162, Pls. 21, figs. 6-7; 23, figs. 4-9; Unnum Fig. p. 163. Webster, 1977, p. 146. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T638, Fig. 417, no. 1. Webster, 1986, p. 265.

Devonian, early Givetian, Silica Formation. United States, Ohio, Michigan

**PROCUPRESSOCRINUS** Jaekel, 1918 \**Cupressocrinites gracilis* Goldfuss, 1831

Scl. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Cupressocrinitidae

Jaekel, 1918, p. 82. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 384.

Moore and Lane *in* Moore and Teichert, 1978, p. T658. Bohatý, 2009a, p. 48.

**DASHSBERGCRINITES** Hauser, 2007. \**Dashbergcrinites rotundatus* Hauser, 2007. Hauser, 2007, p. 63, Fig. 3.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Eifelian, 1 Eifelian - Givetian

Devonian, Eifelian - Givetian. Germany

\**Procupressocrinus gracilis* (Goldfuss, 1831). Bohatý, 2009a, p. 48, Figs. 1, 9.11, 11.1(?), 11.3(?), 11.6, 11.13(?), 11.19(?), 11.22(?).

*Cupressocrinites gracilis* Goldfuss, 1831, p. 213, Pl. 64, fig. 5; Figs. 9, no. c; 11, nos.

d(?), e-h. Bohatý, 2009a, p. 48. Bohatý and Herbig, 2010, p. 381, Figs. 9, no. c (diagramatic); 11, nos. e-h.

*Dachsbergcrinites rotundatus* Hauser, 2007, p. 61, Pl. 1, fig. 30; Figs. 3-4. Bohatý,

2009a, p. 48.

*Cupressocrinites inflatus* Hauser, 1997 (part), Pl. 59, figs. 11f, 11h. Bohatý, 2006c, p. 160.

Devonian, Eifelian – Givetian, Junkerberg Formation to Cürten Formation. Germany, Rhenish Massif

*Procupressocrinus? magnus* (Milicina, 1977). Bohatý, 2009a, p. 48.

*Cupressocrinites magnus* Milicina, 1977b, p. 126, Pl. 2, fig. 1; Fig. 3. Webster, 1986, p. 110.

Devonian, Eifelian, *Conchidiella* Biozone. Russia, east slope Ural Mountains

**PRODROMOCRINUS** Jaekel, 1902. No type-species designated. *Nomen nudum*  
Jaekel, 1902, p. 1074. Bassler, 1938, p. 158. Bassler and Moody, 1943, p. 651.

**PROEXENOCRINUS** Strimple and McGinnis, 1972. \**P. inyoensis* Strimple and McGinnis, 1972.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F. Tanaocrinidae

Strimple and McGinnis, 1972, p. 72. Webster, 1977, p. 146. Ubaghs *in* Moore and Teichert, 1978, p. T441. Ausich, 1986d, p. 218. Webster, 1986, p. 265.

Rozhnov, 1988, p. 67. Rozhnov, 1989, p. 62. Webster, 1993, p. 98. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Floian species

Ordovician, Floian (Arenigian). United States, California

\**Proexenocrinus inyoensis* Stimple and McGinnis, 1972, p. 73, Fig. 1, nos. A-B.

Brower, 1974a, p. 20. Webster, 1977, p. 146. Ubaghs *in* Moore and Teichert, 1978, p. T441, Fig. 250, no. 3. Ausich, 1986d, p. 219, Figs. 1-2. Webster, 1986, p. 265. Broadhead, 1987, p. 183, Fig. 4, no. A. Donovan, 1988c, p. 237. Webster, 1993, p. 98.

Ordovician, Floian (Arenigian), Al Rose Formation. United States, California

**PROGUETTARDICRINUS** Steinman, 1908 = **FORBESIOCRINUS**

*Proguettardicrinus? greeni* Steinman, 1908 = *Forbesiocrinus greeni*

**PROHEXACRINUS** Yakovlev, 1946. \**P. arcticus* Yakovlev, 1946.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae

Yakovlev, 1946a, p. 154. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 224. Ubaghs *in* Moore and Teichert, 1978, p. T475. Webster, 1986, p. 265.

Named, currently recognized species based on cups or crowns: 1 Late Silurian species, series not designated

Late Silurian, series not given. Russia



\**Prohexacrinus arcticus* Yakovlev, 1946a, p. 154, Unnum. Fig. Arendt and Hecker, 1964, p. 96, Fig. 135. Ubaghs *in* Moore and Teichert, 1978, p. T475, Fig. 279, no. 2. Webster, 1986, p. 265.

Late Silurian, series not given. Russia, northern Ural Mountains

**PROINDOCRINUS** Yakovlev, 1939. \**Indocrinus piszowi* Yakovlev, 1926.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Yakovlev, 1939e, p. 832. Yakovlev, 1939f, p. 832. Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210. Webster, 1973, p. 156. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T662. Arendt, 1981, p. 35. Webster, 1986, p. 265. Webster, 1988, p. 137. Webster, 1993, p. 98.

Named, currently recognized species based on cups or crowns: 3 Permian, Artinskian species

Permian, Artinskian. Russia, Krasnoufimsk

*Proindocrinus mirabilis* Arendt, 1981, p. 49, Pl. 14, fig. 3; Fig. 14, nos. zh-i. Webster, 1988, p. 137.

Permian, late Artinskian, Sarga Horizon. Russia, Krasnoufimsk

*Proindocrinus parvus* Arendt, 1981, p. 48, Pl. 14, fig. 2, Fig. 14, nos. a-e. Webster, 1988, p. 137.

Permian, late Artinskian, Sarga Horizon. Russia, Krasnoufimsk

\**Proindocrinus piszowi* (Yakovlev, 1926). Yakovlev, 1939b, p. 62, Pl. 10, figs. 7-12; Fig. 16. Yakovlev, 1939e, p. 832. Bassler and Moodey, 1943, p. 651. Branson, C.

C., 1948, p. 210. Yakovlev, 1949b, p. 897, Figs. 1, nos. 3-4. Webster, 1973, p. 156. Arendt, 1981, p. 36, Pls. 5, fig. 4; 6-8; 14, fig. 1; Figs. 8-13, 25, no. a; 27, nos. a-e; 28, nos. zh-i. Arendt, 1986, p. 69, Fig. 1. Webster, 1988, p. 137. Webster, 1993, p. 98.

*Indocrinus piszowi* Yakovlev, 1926b, p. 46, Pl. 6, figs. 7-7a, 16-16b. Yakovlev, 1926c, p. 53, Pl. 1, fig. 6; Figs. 4a-4c. Bassler and Moodey, 1943, p. 651. Branson, C. C., 1948, p. 210. Yakovlev, 1951, p. 578, Fig. k, no. 3. Yakovlev, 1957, p. 12, fig. 2, no. v. Webster, 1973, p. 156.

Permian, late Artinskian, Sarga Horizon, Div'ya Formation. Russia, Ural Mountains, Krasnoufimsk

**PROKOPICRINUS** Frest and Strimple, 1977. *P. tuberculatus* Frest and Strimple, 1977.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Prokopicrinidae

Frest and Strimple, 1977c, p. 146, Figs. 1, 12 (*non* Fig. 14 as given on figure explanation). Frest and Strimple, 1980, p. 258, Figs. 1, no. c; 2, no. a. Webster, 1986, p. 265.

Named, currently recognized species based on cups or crowns: 3 Silurian species, 1 Niagaran, 2 Ludlovian

Middle - Late Silurian, middle Niagaran - Ludlovian. United States

*Prokopocrinus barricki* Frest and Strimple, 1977c, p. 149, Figs. 3-5. Webster, 1986, p. 265.

Silurian, middle Niagaran, Waldron Shale. United States, Tennessee

*Prokopocrinus laevis* Frest and Strimple, 1977c, p. 147, Figs. 6-8. Webster, 1986, p. 265.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

\**Prokopocrinus tuberculatus* Frest and Strimple, 1977c, p. 146, Figs. 9-11. Frest and Strimple, 1980, p. 261, Fig. 3, nos. d-f. Webster, 1986, p. 265.

Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma

**PROLECYTHIOCRINUS** Arendt, 1970 = **THYRIDOCRINUS**

*Prolecythiocrinus problematicus* (Springer, 1926) Arendt, 1970a = *Thyridocrinus problematicus*

**PROLIXOCRINUS** Eckert and Brett, 2001. \**Prolixocrinus nodocaudis* Eckert and Brett, 2001.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F. Ichthyocrinidae

Eckert and Brett, 2001, p. 54.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. United States, New York

\**Prolixocrinus nodocaudis* Eckert and Brett, 2001, p. 55, Pl. 2, figs. 7-9, 19, 21; Fig. 22, nos. A-B.

Silurian, Llandoveryian, Reynales Formation, Hickory Corners Member. United States, New York.

**PROLOBOCRINUS** Wanner, 1937. \**P. permicus* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. West Timorechinidae

Wanner, 1937, p. 184. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652.

Moore and Laudon, 1943b, p. 59. Branson, C. C., 1948, p. 210. Webster, 1973, p. 224. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754. Webster, 1986, p. 266.

Named, currently recognized species based on cups or crowns: 3 Permian species, series uncertain

Permian, series uncertain. West Timor

*Prolobocrinus gracilis* (Wanner, 1924). Wanner, 1937, p. 184. Bassler and Moodey, 1943, p. 652. Branson, C. C., 1948, p. 210.

*Protencrinus gracilis* Wanner, 1924, p. 286, Pl. 19, figs. 1-3; Fig. 55. Bassler and Moodey, 1943, p. 652. Branson, C. C., 1948, p. 210.  
Permian, series uncertain. West Timor, Basleo

\**Prolobocrinus permicus* Wanner, 1937, p. 185, Pl. 12, figs. 7-10; Fig. 66. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652. Branson, C. C., 1948, p. 210. Wanner, 1949b, p. 83, Figs. 1-2. Wanner, 1973, p. 224. Ubaghs *in* Moore and Teichert, 1978, p. T145, Fig. 119, nos. 2-3. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T754, Fig. 499, no. 1. Webster, 1986, p. 266.  
Permian, series uncertain. West Timor, Basleo

*Prolobocrinus striatus* Wanner, 1937, p. 187. Bassler and Moodey, 1943, p. 652. Branson, C. C., 1948, p. 210.  
Permian, series uncertain. West Timor, Basleo, Nipol Sumpek

**PROMELOCRINUS** Jaekel, 1902. \**P. anglicus* Jaekel, 1902.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Melocrinitidae

Jaekel, 1902, p. 1068, Fig. 8. Kirk, 1929c, p. 337. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652. Moore and Laudon, 1943b, p. 96. Ubaghs, 1953, p. 741. Webster, 1973, p. 224. Brower, 1978, p. 42, Figs. 1-2, 4. Ubaghs *in* Moore and Teichert, 1978, p. T492. Cowen, 1981, p. 334, Figs. 1-2, no. A. Webster, 1986, p. 266. Webster, 1988, p. 137. Donovan et al., 2012, p. 184.

**PROCTENOCRINUS** Jaekel, 1918, p. 32. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652. Ubaghs *in* Moore and Teichert, 1978, p. T492.

**XENOCRINUS** Jahn, 1892 (*non* Miller, 1881), p. 416. Bather *in* Lankester, 1900, p. 204. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 380. Kesling, 1964a, p. 92. Webster, 1973, p. 170. Ubaghs *in* Moore and Teichert, 1978, p. T492.

**ZENKERICRINUS** Waagen and Jahn, 1899, p. 102, Pl. 42, fig. 6. \**Z. melocrinoides* Waagen and Jahn, 1899. Bather *in* Lankester, 1900, p. 111, 161. Bassler, 1938,

p. 193. Bassler and Moodey, 1943, p. 380. Kesling, 1964a, p. 92. Webster, 1973,

p. 170. Ubaghs *in* Moore and Teichert, 1978, p. T492. Prokop and Petr, 1986, p. 214. Webster, 1993, p. 126.

Named, currently recognized species based on cups or crowns: 6 Silurian species, 5 Wenlockian, 1 Pridoli

Middle - Late Silurian. Europe; North America

\**Promelocrinus anglicus* Jaekel, 1902, p. 1068, Fig. 8. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652. Ubaghs, 1953, p. 741, Fig. 82, no. c. Ubaghs, 1958b, p. 299, Figs. 16, 18. Webster, 1973, p. 224. Brower, 1976, p. 652, Pls. 100, figs. 1-4; 101, figs. 1-4; 102, figs. 1-2, 4; Figs. 1-3; 6, no. B. Ubaghs *in* Moore and Teichert, 1978, p. T144, T492, Figs. 117, no. 3; 295, no. 3a. Webster, 1986, p. 266. Simms, 1990, p. 196, Fig. 8.1 (diagramatic). Donovan et al., 2008a, p. 36, Fig. 3, no. E.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom

- Promelocrinus flabellatus* (Salter, 1873). Donovan et al., 2012, p. 185, Pl. 49, figs. 1-3; Figs. 79-80.  
Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom, Scotland
- Promelocrinus fulminatus* (Angelin, 1878). Ubaghs, 1953, p. 741, Fig. 82, no. b. Ubaghs, 1958b, p. 268, Pl. 1, figs. 2-4; Figs. 3-4, 16. Webster, 1973, p. 224. Brower, 1978, p. 44, Fig. 3. Ubaghs *in* Moore and Teichert, 1978, p. T144, T492, Figs. 117, no. 2; 295, no. 3b. Webster, 1986, p. 266. Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
Silurian, Wenlockian, Slite Group. Sweden, Isle of Gotland
- Promelocrinus melocrinoides* (Waagen and Jahn, 1899). New Combination.  
*Zenkericrinus melocrinoides* Waagen and Jahn, 1899, p. 106, Pl. 62. Bassler, 1938, p. 193. Bassler and Moodey, 1943, p. 381. Kesling, 1964a, p. 93. Webster, 1973, p. 171. Prokop and Petr, 1986, p. 215, Pl. 8, figs. 1-4; Figs. 9-11. Prokop and Petr, 1990, p. 33, Pl. 2, figs. 1-2. Webster, 1993, p. 126.  
*Ctenocrinus melocrinoides* (Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 381.  
*Melocrinites melocrinoides* (Waagen and Jahn, 1899). Kesling, 1964a, p. 93. Webster, 1973, p. 171.  
Silurian, Pridolian, Pridoli Formation. Czech Republic, Bohemia
- Promelocrinus radiatus* (Angelin, 1878). Ubaghs *in* Moore and Teichert, 1978, p. T153, Fig. 125, nos. 2-3. Webster, 1986, p. 266.  
*Periechocrinus radiatus* Angelin, 1878, p. 7, Pls. 10, figs. 1-2; 23, fig. 3; 27, figs. 6, 7. Bassler and Moodey, 1943, p. 600. Ubaghs, 1958b, p. 272, Fig. 2; Figs. 5-7. Webster, 1973, p. 224. Ubaghs *in* Moore and Teichert, 1978, p. T153, Fig. 125, nos. 2-3. Webster, 1986, p. 266.  
*Periechocrinites radiatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 600. Ubaghs, 1958b, p. 272. Webster, 1973, p. 224.  
*Porocrinus radiatus* (Angelin, 1878). Steinmann, 1903, p. 180, Fig. 250, no. C. Silurian, Wenlockian. Sweden, Isle of Gotland
- Promelocrinus spectabilis* (Angelin, 1878). Brett, 1984, p. 100, Fig. 8, no. B. Webster, 1988, p. 137.  
*Melocrinus spectabilis* Angelin, 1878, p. 20, Pl. 21, figs. 1-2. Bassler and Moodey, 1943, p. 559. Ubaghs, 1958b, p. 288. Webster, 1973, p. 172.  
*Melocrinus?* *spectabilis* Angelin, 1878. Springer, 1926a, p. 27, Pl. 5, figs. 2-3. Bassler and Moodey, 1943, p. 559.  
*Melocrinites spectabilis* (Angelin, 1878). Bassler and Moodey, 1943, p. 559. Webster, 1973, p. 172.  
*Ctenocrinus spectabilis* (Angelin, 1878). Ubaghs, 1958b, p. 288, Pl. 5, figs. 14-15. Webster, 1973, pl. 172.  
*Melocrinus volborthi* Angelin, 1878 (part). Ubaghs, 1958b, p. 288. Webster, 1973, p. 172.  
Silurian, Wenlockian, Much Wenlock Limestone. Sweden, Isle of Gotland; United

## Kingdom

*Promelocrinus* spp.

Ubaghs, 1958b, p. 299, Fig. 17, no. A. Webster, 1973 p. 225.

Silurian, Wenlockian. United Kingdom

Brower, 1976, p. 663, Fig. 4. Webster, 1986, p. 266.

Silurian, Wenlockian, Dudley Limestone. United Kingdom

Donovan, 1999, p. 581, Fig. 38.11, no. D. (diagramatic)

Silurian

Donovan et al., 2012, p. 187, Fig. 17, no. A.

Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom Scotland

**PROPHYLLOCRINUS** Wanner, 1916. \**P. dentatus* Wanner, 1916.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.

Prophylocrinidae

Wanner, 1916, p. 250. Wanner, 1924, p. 89. Bassler, 1938, p. 158. Bassler and

Moodey, 1943, p. 652. Moore and Laudon, 1943b, p. 74. Branson, C. C., 1948, p.

210. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p.

225. Moore *in* Moore and Teichert, 1978, p. T787. Smith, A. B., 1985, p. 174.

Ausich, 1988, p. 913, Fig. 2, no. 9. Webster, 1988, p. 137. Webster, 1993, p. 98.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

*Prophylocrinus cuspidatus* Wanner, 1916 = *Proapsidocrinus cuspidatus*

\**Prophylocrinus dentatus* Wanner, 1916, p. 273, 276, Pl. 111 (16), figs. 6-8; Figs. 67, 68-69. Wanner, 1924, p. 115, Pl. 6, figs. 7-9. Wanner, 1930, p. 40, 42, Figs. 22-25. Bassler, 1938, p. 158. Bassler and Moodey, 1943, p. 652. Branson, C. C., 1948, p. 210. Yakovlev, 1949a, p. 265, Fig. 1, no. g. Webster, 1973, p. 225.

Moore *in* Moore and Teichert, 1978, p. T787, Figs. 528, no. 2b; 529, nos. 3c-3e.

Signor and Brett, 1984, p. 238, Fig. 9, nos. D-F. Smith, A. B., 1985, p. 174, Pl.

7.4a.46. Webster, 1986, p. 266. Webster, 1988, p. 137.

Permian, series uncertain. West Timor, Basleo

*Prophylocrinus* sp. 1 Webster and Jell, 1999b, p. 315, Fig. 21, no. A.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*Prophylocrinus* sp. 2 Webster and Jell, 1999b, p. 316, Fig. 21, nos. B-C.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*Prophylocrinus* sp. 3 Webster and Jell, 1999b, p. 317, Fig. 21, no. D.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

*Prophylocrinus* sp. Yakovlev, 1949a, p. 265, Fig. 1, no. d. Yakovlev, 1956a, p. 87, Fig.

35, no. 4. Yakovlev, 1958, p. 72, Fig. 35, no. 4. Yakovlev, 1964a, p. 79, Fig. 37,

no. 4. Yakovlev, 1964b, p. 58, Fig. 67 (radials). Webster, 1973, p. 275.  
Permian, series uncertain. West Timor

**PROPOTERIOCRINUS** Schmidt, 1942. \**P. follmanni* Schmidt, 1942.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F.  
Glossocrinidae

Schmidt, W. E., 1934, p. 109 (*nomen nudum*). Schmidt, W. E., 1942, p. 110.  
Bassler,

1938, p. 158. Bassler and Moodey, 1943, p. 652. Moore and Laudon, 1943b, p.  
54. Webster, 1973, p. 225. Webster, 1977, p. 146. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T633. Webster, 1986, p. 267. McIntosh, 2001, p. 800.  
Webster et al., 2003, p. 14. . Franke, C., 2012, p. 23.

Named, currently recognized species based on cups or crowns: 7 Devonian, Emsian  
Species (+1 subspecies)

Devonian, Emsian (Coblentian). Germany

\**Propoteriocrinus follmanni* Schmidt, W. E., 1942, p. 155, Pl. 9, figs. 1-2; Fig. 43.

Bassler, 1938, p. 158. Schmidt, W. E., 1934, p. 110 (*nomen nudum*). Bassler  
and Moodey, 1943, p. 652. Webster, 1973, p. 225. Moore and Strimple *in*  
Moore and Teichert, 1978, p. T633, Fig. 414, nos. 1a-1b. Webster, 1986, p. 267.

Devonian, Emsian (late Coblentian). Germany

*Propoteriocrinus follmanni brevior* Schmidt, W. E., 1942, p. 157, Pl. 9, figs. 4-5.

Webster, 1973, p. 225. Franke, C., 2012, p. 23, Pl. 7, figs. 1a-c.

Devonian, Emsian (late Coblentian), Hohenrhein beds. Germany, Rhenischen  
Schiefergebirge

*Propoteriocrinus galerus* Schmidt, W. E., 1942, p. 159, Pl. 19, fig. 3. Webster, 1973, p.  
225.

Devonian, Emsian, Coblentian Quartzite. Germany

*Propoteriocrinus hosingeni* Franke, C., 2012, p. 25, Pls 10, fig. s. 1-2; 11, figs. 1a=1b.

Devonian, Emsian, Wiltz Beds. Germany, Eifel

*Propoteriocrinus? nothus* Schmidt, W. E., 1942, p. 162, Pl. 9, fig. 3. Webster, 1973, p.

225. Breuer *et al.*, 1992, p. 66, Pl. 12, fig. 1.

Devonian, Emsian, Coblentian Quartzite. Germany

*Propoteriocrinus papillaxialis* Schmidt, W. E., 1942, p. 158, Pls. 13, fig. 2; 19, fig. 4.

Hefter, 1956, p. 170, Fig. 4. Webster, 1973, p. 225. Webster, 1977, p. 146.

Devonian, Emsian (late Coblentian). Germany

*Propoteriocrinus scopae* Schmidt, W. E., 1934, p. 110, Pl. 5, fig. 3. Schmidt, W. E.,

1942, p. 30, Pls. 1, fig. 3; 3, fig. 2; Fig. 3. Bassler and Moodey, 1943, p. 652.

Moore and Strimple *in* Moore and Teichert, 1978, p. T633, Fig. 414, no. 1c.

Webster, 1986, p. 267.

Devonian, early Emsian, Hunsrück Slates. Germany

*Propoteroicrinus turgidus* Schmidt, W. E., 1942, p. 160, Pl. 10, figs. 5-6; Fig. 44.  
Webster, 1973, p. 225.  
Devonian, Emsian (late Coblenzian). Germany

*Propoteroicrinus?* sp. indet. Schmidt, W. E., 1942, p. 163. Webster, 1973, p. 225.  
Devonian, Emsian (late Coblenzian). Germany

**PROTACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus primitivus* Laudon and Beane, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 38. Webster, 1977, p. 146. Moore and Strimple *in* Moore and Teichert, 1978, p. T486. Arendt and Stupachenko, 1983, p. 70. Arendt

and Stupachenko, 1984, p. 72. Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 267. Webster, 1988, p. 137. Webster, 1993, p. 98.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian (Kinderhookian). United States, Iowa

\**Protacrocrinus primitivus* (Laudon and Beane, 1937). Moore and Strimple, 1969a, p. 38, Figs. 1, no. 2; 23, nos. 1-7; 24, no. 1. Webster, 1977, p. 146. Ubaghs *in* Moore and Teichert, 1978, p. T129, Fig. 101, no. 4. Moore and Strimple *in* Moore and Teichert, 1978, p. T478, Figs. 282, no. 2; 289, no. 1. Broadhead, 1985, p. 208, Fig. 2, no. D. Webster, 1986, p. 267. Webster, 1988, p. 137.

*Acrocrinus primitivus* Laudon and Beane, 1937, p. 252, Pl. 17, figs. 5-6. Bassler and Moodey, 1943, p. 266. Moore and Strimple, 1969a, p. 38. Webster, 1977, p. 147.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

**PROTAXOCRINUS** Springer, 1906. \**Taxocrinus ovalis* Angelin, 1878.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Springer, 1906, p. 515. Springer *in* Zittel, 1913, p. 205. Bassler, 1915, p. 1045.

Springer, 1926a, p. 69. Bassler, 1938, p. 159. Bassler and Moodey, 1943, p. 652. Moore and Laudon, 1943b, p. 69, Fig. 10. Moore and Laudon, 1944, p. 177, Pl. 67, fig. 11. Cuénot, 1948, p. 66. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p.

755. Bouska, 1956a, p. 323. Philip, 1963, Fig. 1, no. a. Brower, 1973, p. 460. Webster, 1973, p. 225. Webster, 1977, p. 147. Moore *in* Moore and Teichert, 1978, p. T773, Figs. 506, no. 8d; 507, no. 7c. Lewis, R. D., 1981, p. 227. Eckert, 1984, p. 35. Smith, A. B., 1985, p. 174. Webster, 1986, p. 267. Webster, 1988, p.

137. Webster, 1993, p. 98. Donovan, Paul, and Lewis, 1996, p. 213. Ausich, 1998b, p. 34. Eckert and Brett, 2001, p. 52.

**LECANOCRINUS** Billings, E., 1857a (*non* Hall, 1852), p. 258. Bassler, 1915, p. 1045.

*TAXOCRINUS* Angelin, 1878 (part), p. 8. Wachsmuth and Springer, 1879, p. 50. Bassler, 1915, 1045.

Named, currently recognized species based on cups or crowns: 16 species. 5 Ordovician, 3 Katian, 2 Hirnantian; 1 Ordovician, Katian, Silurian, Niagaran, 9 Silurian, 3 Llandoveryan, 3 Wenlockian, 2 Niagaran, 1 Ludlovian; 1 Devonian, Givetian

Ordovician, Katian (Ashgillian); Middle Silurian, early Ludlovian. Europe  
Ordovician, Sandbian – Hirnantian (Champlainian): - Middle Silurian, Niagaran;  
Early  
Devonian, Gedinnian. North America

*Protaxocrinus aberrans* Bouska, 1956b, p. 325, 330, 333, Pl. 1, figs. 6-8. Webster, 1973, p. 225. Prokop and Petr, 1990, p. 13. Webster, 1993, p. 98. Silurian, early Ludlovian, Kopanina Beds. Czech Republic, Bohemia

*Protaxocrinus amii* Bolton, T. E., 1970, p. 63, Pls. 11, figs. 3, 5; 12, figs. 4, 6. Bolton and Copeland, 1972a, p. 9, Pl. 6, figs. 3, 10. Webster, 1977, p. 147. Silurian, Niagaran, Thornloe Formation. Canada, Quebec

*Protaxocrinus anellus* Eckert and Brett, 2001, p. 53, Pl. 9, figs. 2-5, 7-9; Fig. 21, nos. A-C. Silurian, middle Llandoveryan, Reynales Formation, Hickory Corners Member. United States, New York

*Protaxocrinus cataractensis* Eckert, 1984, p. 35, Pl. 8, figs. 1-9; Fig. 16, nos. A-C. Webster, 1988, p. 137. Brower, 2001, p. 375, Fig. 6, nos. 3-4. Silurian, Llandoveryan, Cabot Head Formation. Canada, Ontario

*Protaxocrinus elegans* (Billings, 1857). Springer, 1906, p. 487. Bassler, 1915, p. 1045. Bassler and Moodey, 1943, p. 653. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 11. Moore and Laudon, 1944, p. 177, Pl. 68, fig. 14. Wilson, A. E., 1946, p. 30. Ubaghs, 1953, p. 755, Fig. 150. Webster, 1973, p. 225. Moore *in* Moore and Teichert, 1978, p. T773, Fig. 512, no. 2a. Webster, 1986, p. 267.

*Lecanocrinus elegans* Billings, E., 1857a, p. 278. Billings, E., 1859a, p. 47, Pl. 4, figs. 4a-4b. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257. Bassler, 1915, p. 1045. Bassler and Moodey, 1943, p. 653.

*Taxocrinus elegans* (Billings, 1857). Miller, S. A., 1889, p. 285, Fig. 440. Grabau and Shimer, 1910, p. 564. Bassler, 1915, p. 1045. Ordovician, Katian (Champlainian), Cobourg Limestone, Trenton Limestone, Hull Limestone. Canada, Ontario

*Protaxocrinus girardeau* Springer, 1920a, p. 346, Pl. 45, fig. 8. Bassler and Moodey, 1943, p. 653. Brower, 1973, Pls. 78, fig. 4; 79, fig. 4. Webster, 1977, p. 147. Ordovician, Hirnantian (late Cincinnati), Girardeau Limestone. United States, Illinois, Missouri

*Protaxocrinus girvanensis* Ramsbottom, 1961, p. 19, Pl. 6, figs. 14-15. White, W. D.,



1964, p. 60, Pl. 4, fig. 1. Webster, 1973, p. 225. Donovan, Paul, and Lewis, 1996, p. 213, Pl. 39, fig. 2. Brower, 2001, p. 370, Fig. 1. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. m-n. Donovan, Sutton, and Sigwart, 2011, p. 459, Fig. 7, no. B.

Ordovician, Katian (Ashgillian), upper part of Drummuck Group. United Kingdom

*Protaxocrinus interbrachiatus* (Angelin, 1878). Springer, 1906, p. 515. Springer, 1920a, p. 346, Pl. 45, figs. 13-16. Bassler and Moodey, 1943, p. 653.

*Taxocrinus interbrachiatus* Angelin, 1878, p. 8, Pl. 20, figs. 9-10. Bassler and Moodey, 1943, p. 653.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Protaxocrinus laevis* (Billings, 1857). Springer, 1911b, p. 11, Pl. 3, figs. 10-11b.

Bassler, 1915, p. 1046. Springer, 1920a, p. 346, Pl. 45, figs. 2-7. Bassler and Moodey, 1943, p. 653. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 10. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 7. Wilson, A. E., 1946, p. 30. Ubaghs, 1953, p. 755, Fig. 151. Webster, 1973, p. 225. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 1. Moore *in* Moore and Teichert, 1978, p. T773, Fig. 512, no. 2b. Webster, 1986, p. 267. Brower, 2001, p. 375, Fig. 6, nos. 1-2.

Sloan,

2005, pl. 153, Fig. 4-60, no. 7.

*Lecanocrinus laevis* Billings, E., 1857a, p. 278. Billings, E., 1859a, p. 47, Pl. 4a, fig. 3a. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257.

Bassler, 1915, p. 1046. Bassler and Moodey, 1943, p. 653.

*Taxocrinus laevis* (Billings, 1857). Wachsmuth and Springer, 1886, p. 68 (p. 144).

Bassler, 1915, p. 1046.

Ordovician, Katian (Champlainian), Cobourg Limestone, Trenton Limestone, Hull Limestone. Canada, Quebec, Ontario

\**Protaxocrinus ovalis* (Angelin, 1878). Springer, 1906, p. 515. Springer, 1920a, p. 346, Pl. 46, figs. 8-11. Moore *in* Moore and Teichert, 1978, p. T773, Figs. 511, no. 5; 512, nos. 2c-2d. Webster, 1986, p. 267.

*Taxocrinus ovalis* Angelin, 1878, p. 8, Pl. 20, figs. 13-14. Bassler, 1938, p. 159.

Bassler and Moodey, 1943, p. 653.

Ordovician, Katian, Decorah Shale. United States, Minnesota

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Protaxocrinus paraios* Ausich and Copper, 2010, p. 55, Pls. 10, fig. 11; 11, figs. 4, 8; Figs. 10.9-10.11.

Ordovician, Hirnantian, Ellis Bay Formation, Laframboise Member; Silurian,

Llandoveryan, Becscie Formation, Fox Point Member. Canada, Quebec, Anticosti Island

*Protaxocrinus robustus* Bassler, 1915, p. 1046 (*nomen nudum*, credited to Springer, in press). Springer, 1920a, p. 346, Pl. 45, figs. 9-11. Springer, 1926a, p. 70, Pl. 22, figs. 6-7. Bassler and Moodey, 1943, p. 653. Moore and Laudon, 1944, p. 177, Pl. 54, fig. 13. Webster, 1973, p. 225.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

- Protaxocrinus salteri* (Angelin, 1878). Springer, 1906, p. 515. Springer, 1920a, p. 346, Pl. 46, figs. 1-7.  
*Taxocrinus salteri* Angelin, 1878, p. 9, Pl. 23, figs. 1-1a. Bassler and Moodey, 1943, p. 653.  
*Taxocrinus austini* Angelin, 1878, p. 9, Pl. 19, figs. 11-11a. Bassler and Moodey, 1943, p. 653.  
*Taxocrinus distensus* Angelin, 1878, p. 9, Pl. 26, figs. 7-7a. Bassler and Moodey, 1943, p. 653.  
*Taxocrinus tubuliferus* Angelin, 1878, p. 9, Pl. 20, figs. 11-12. Bassler and Moodey, 1943, p. 653.  
 Silurian, Wenlockian. Sweden, Isle of Gotland

- Protaxocrinus sideros* Ausich and Copper, 2010, p. 54, Pl. 11, figs. 6-7, 9; Figs. 10.7-10.8.  
 Silurian, Llandoveryan, Jupiter Formation, Goéland and Richardson, and Cybèle Members. Canada, Quebec, Anticosti Island

*Protaxocrinus svobodai* Bouska, 1956 = *\*Pepitaxocrinus svobodai*

- Protaxocrinus tuberculatus* (Miller, 1821). Watkins and Hurst, 1977, p. 210, Figs. 4; 6, no. F. Smith, A. B., 1985, p. 174, Pl. 7.4.41. Webster, 1986, p. 267. Webster, 1988, p. 137.  
 Silurian, Wenlockian. United Kingdom

- Protaxocrinus virginianensis* Bassler, 1915, p. 1046 (*nomen nudum*, credited to Springer, in press). Springer, 1920a, p. 346, Pl. 45, fig. 12. Bassler and Moodey, 1943, p. 653.  
 Devonian, Gedinnian, Keyser Formation. United States, West Virginia

- Protaxocrinus* sp. Clausen et al., 2009, p. 284, Fig. 1, no. A.  
 No age or locality given

*Protaxocrinus* sp. Kolata et al., 1987 = *Clidochirus anebos*

- Protaxocrinus?* sp. Prokop and Turek, 1983. Prokop and Petr, 1990, p. 42. Webster, 1993, p. 98.  
 Silurian, Wenlockian, Liten Formation. Czech Republic

**PROTENCRIINUS** Jaekel, 1918. *\*P. moscoviensis* Jaekel, 1918.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinoidea, F. Protencrinidae  
 Jaekel, 1918, p. 66. Wanner, 1924, p. 181. Bassler, 1938, p. 159. Bassler and Moodey, 1943, p. 653. Moore and Laudon, 1943b, p. 59. Knapp, 1969, p. 353, Fig. 1. Strimple and Moore, 1971a, p. 9. Webster, 1973, p. 226. Webster, 1977, p. 147. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T712. Webster, 1986, p. 268. Webster, 1993, p. 98.

Named, currently recognized species based on cups or crowns: 5 species. 3

Pennsylvanian, 1 Atokan, 1 Desmoinesian, 1 Moscovian; 2 Permian, 1 Artinskian, 1 Early Permian undesignated  
 Pennsylvanian, Moscovian; Permian, Artinskian. Russia  
 Pennsylvanian, Atokan. United States  
 Early Permian, series undesignated. Greece, Crete

*Protencrinus atoka* (Strimple, 1961). Knapp, 1969, p. 353. Strimple, 1975e, p. 15, Fig. 10, nos. 6-7. Webster, 1977, p. 147. Webster, 1986, p. 268.

*Paradelocrinus atoka* Strimple, 1961d, p. 228, Pl. 1, figs. 1-3, 13-15. Webster, 1973, p. 191. Knapp, 1969, p. 353. Webster, 1977, p. 147.

Pennsylvanian, Atokan, Atoka Formation, Barnett Hill Member; Griley Limestone. United States, Oklahoma

*Protencrinus baliensis* Webster, 2012c, p. 107, Fig. 2, nos. G-M, given as nos. 7-9 p.107.

Early Permian, Galinos Beds. Greece, Crete

*Protencrinus brachiatus* (Moore and Plummer, 1940) = *Neoprotencrinus brachiatus*

*Protencrinus gracilis* Wanner, 1937 = *Prolobocrinus gracilis*

*Protencrinus lobatus* Yakovlev, 1948, p. 121, Figs. 5-6. Yakovlev in Yakovlev and Ivanov, 1956, p. 74, Pl. 13, fig. 6. Webster, 1973, p. 226.

Permian, Artinskian. Russia, Timan

\**Protencrinus moscoviensis* Jaekel, 1918, p. 66, Fig. 56. Bassler, 1938, p. 159.

Bassler and Moodey, 1943, p. 653. Yakovlev and Ivanov, 1956, p. 31, Fig. 6.

Knapp, 1969, p. 353. Webster, 1973, p. 226. Webster, 1977, p. 147. Moore,

Strimple, and Lane in Moore and Teichert, 1978, p. T712, Fig. 472, no. 1.

Webster, 1986, p. 268.

Pennsylvanian, Moscovian. Russia, Moscow Basin

*Protencrinus mutabilis* Knapp, 1969, p. 353, Pls. 61, figs. 4-9; 62, figs. 3-5; Fig. 6.

Webster, 1977, p. 147. Webster and Kues, 2006, p. 17, Figs. 6.11-6.14.

Pennsylvanian, Atokan, Burgner Formation. United States, Missouri

Pennsylvanian, Desmoinesian, Flechado Formation. United States, New Mexico

*Protencrinus?* sp. indet. Hashimoto, 1984, p. 20, Pl. 9, figs. 2a-3c; Fig. 6, nos. 5a-5b.

Webster, 1993, p. 98.

Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Millerella yowarensis* and *Fusulinella biconica* Biozones. Japan

Protocrinoid feeding appendage Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. J.

PROTOEURAYLE Müller, 1854 = **CULICOCRINUS**

*Protoeurayle confluentina* Müller, 1854 = *Culicocrinus confluentinus*

Pseudomonocyclic stem and cup Rozhnov, 2002, p. S529, Fig. 3, nos. c-d.

**PSEUDORTHOCHRINUS** Hauser, 1997. \**Pseudorthocrinus rauhheckiensis* Hauser, 1997.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Orthocrinidae  
Hauser, 1997, p. 135, Fig. 41.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Givetian species  
Devonian, Givetian. Germany

\**Pseudorthocrinus rauhheckiensis* Hauser, 1997, p. 135, Pl. 63, figs. 1-3.  
Devonian, Givetian, Loogh Formation, ?Rech Member. Germany

**PSILOCRINUS** Knapp, 1969. \**Plaxocrinus omphaloides* Moore and Plummer, 1940.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Pirasocrinidae

Knapp, 1969, p. 375. Webster, 1977, p. 147. Moore, Strimple, and Lane *in* Moore  
and Teichert, 1978, p. T732. Webster, 1986, p. 268.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Desmoinesian species  
Pennsylvanian, Desmoinesian. United States

\**Psilocrinus omphaloides* (Moore and Plummer, 1940). Knapp, 1969, p. 375.  
Webster, 1973, p. 228. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T732, Fig. 482, no. 1.

*Plaxocrinus omphaloides* Moore and Plummer, 1940, p. 194, Pls. 8, fig. 4; 9, fig. 4.  
Bassler and Moodey, 1943, p. 634. Plummer, 1950, p. 97, Pl. 21, fig. 15. Heuer,  
1958, p. 47, Pl. 5, fig. 15. Knapp, 1969, p. 375. Webster, 1973, p. 217. Webster,  
1977, p. 148.

Pennsylvanian, Desmoinesian, Mineral Wells Shale. United States, Texas

**PSKOVICRINUS** Rozhnov and Arendt, 1984. \**P. sofronizkyi* Rozhnov and Arendt,  
1984.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F.  
Botryocrinidae

Rozhnov and Arendt, 1984, p. 119. Rozhnov and Arendt, 1985, p. 120. Webster,  
1988, p. 139.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Frasnian species  
Devonian, Frasnian. Russia

\**Pskovicrinus sofronizkyi* Rozhnov and Arendt, 1984, p. 119, Figs. 1-2. Rozhnov and  
Arendt, 1985, p. 120, Figs. 1-2. Webster, 1986, p. 272.

Devonian, Frasnian, Sarga Horizon. Russia, Main Devonian Field

Pterinocrinid gen. nov. Jell, 1999a, p. 25, Fig. 17, no. C.

Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

**PTERINOCRINUS** Goldring, 1923. \**P. quinquenodosus* Goldring, 1923.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Goldring, 1923, p. 86. Schmidt, W. E., 1934, p. 127. Bassler, 1938, p. 161. Bassler and Moodey, 1943, p. 653. Moore and Laudon, 1943b, p. 59. Webster, 1973, p. 226. Le Menn *in* Le Menn *et al.*, 1976, p. 45. Ubaghs *in* Moore and Teichert, 1978, p. T434. Webster, 1986, p. 268. Webster, 1986, p. 272.

Named, currently recognized species based on cups or crowns: 5 Devonian species,

4 Emsian, 1 Frasnian

Devonian, Frasnian. United States, New York

Early Devonian. Europe

*Pterinocrinus decembrachiatus* Breimer, 1962a, p. 12, Pl. 1, fig. 3. Webster, 1973, p. 226. Ubaghs *in* Moore and Teichert, 1978, p. T434, Fig. 244, no. 2b. Webster, 1986, p. 268.

Devonian, Emsian, red shale in Ferrones Limestone. Spain

*Pterinocrinus diensti* Schmidt, W. E., 1934, p. 128, 143, Pl. 22, fig. 1; Fig. 29. Bassler and Moodey, 1943, p. 654.

Devonian, early Emsian, Hunsrück Slates. Germany

Devonian, Emsian. France, Spain

*Pterinocrinus ehrlicheri* Lehmann, 1955, p. 135, Pls. 14, figs. 1-3; 15, figs. 4-5.

Webster, 1973, p. 226. Kutscher, 1977, p. 47. Webster, 1986, p. 268.

Devonian, early Emsian, Hunsrück Slates. Germany

\**Pterinocrinus quinquenodus* Goldring, 1923, p. 87, Pl. 1, figs. 3-10, Fig. 32. Bassler, 1938, p. 161. Bassler and Moodey, 1943, p. 654. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 12. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 22. Webster, 1973, p. 226. Ubaghs *in* Moore and Teichert, 1978, p. T434, Fig. 244, no. 2a. Webster, 1986, p. 268.

Devonian, Frasnian, lower part of Chemung Formation. United States, New York

*Pterinocrinus tenuibrachiatus* Le Menn *in* Le Menn *et al.*, 1976, p. 47, Pl. 8, figs. 1-3. Le Menn, 1985, p. 54, Pl. 8, figs. 1-3, 5, 7-10. Webster, 1986, p. 268. Webster, 1988, p. 139.

Devonian, Emsian, Reun ar C'Hrank Formation; Beg an Arreun Formation; Prioldy Formation; Fret Formation; Marettes Formation; Mariposas Formation; La Vid Shale. France, Armorican Massif; Spain

**PTEROTOCRINUS** Lyon and Casseday, 1859. \**Asterocrinus capitalis* Lyon, 1857.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Lyon and Casseday, 1859, p. 301. Lyon and Casseday, 1860b, p. 68. Meek and Worthen, 1860, p. 382. Meek and Worthen, 1866a, p. 288. Shumard, 1868, p. 393. Bigsby, 1868, p. 23. Wetherby, 1879a, p. 3. Zittel, 1880, p. 344, 365.

Wachsmuth and Springer, 1881, p. 87 (261). Miller, S. A., 1889, p. 276.

- Wachsmuth and Springer, 1890, p. 352. Wachsmuth and Springer, 1897, p. 791. Bather *in* Lankester, 1900, p. 159. Wachsmuth *in* Zittel, 1900, p. 140. Wood, E., 1909, p. 43. Grabau and Shimer, 1910, p. 522. Springer *in* Zittel, 1913, p. 201. Springer, 1926b, p. 47. Suttton, 1934, p. 394. Bassler, 1938, p. 161. Bassler and Moodey, 1943, p. 654. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 199. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 741, Figs. 114-115. Arendt and Hecker, 1964, p. 97. Gutschick, 1965, p. 639, Fig. 5. Strimple and Moore, 1971a, p. 39. Burdick and Strimple, 1971a, p. 39. Horowitz and Strimple, 1974, p.
210. Webster, 1977, p. 148. Welch, 1978b, p. 89, Figs. 4, no. A; 5. Lane *in* Moore and Teichert, 1978, p. T477. Broadhead, 1981, p. 146. Burdick and Strimple, 1983a, p. 178. Webster, 1986, p. 268. Lane and Sevastopulo, 1987, p. 205. Chestnut and Etensohn, 1988, p. 53, Fig. 10. Webster, 1988, p. 139. Webster, 1993, p. 99.
- ASTEROCRINUS* Lyon (*non* Münster), 1857, p. 472. \**A. capitalis* Lyon, 1857. Bassler, 1938, p. 46. Bassler and Moodey, 1943, p. 654. Lane *in* Moore and Teichert, 1978, p. T477.
- CODONOCRINITES* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Wood, E., 1909, p. 43. Bassler, 1938, p. 69. Bassler and Moodey, 1943, p. 654. Lane *in* Moore and Teichert, 1978, p. T477.
- CODONOCRINUS* Shumard, 1866, p. 359. Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 69. Bassler and Moodey, 1943, p. 654. Lane *in* Moore and Teichert, 1978, p. T477.
- Named, currently recognized species based on cups or crowns: 28 Mississippian, species, 1 Viséan, 1 Viséan - Serpukhovian, 26 Serpukhovian Mississippian, Serpukhovian (Chesterian). United States

*Pterotocrinus abruptus* Sutton, 1934, p. 409, Pl. 49, figs. 29-31. Bassler and Moodey, 1943, p. 654.

Mississippian, Serpukhovian (Chesterian, Golconda Formation. United States, Kentucky

*Pterotocrinus acutus* Wetherby, 1879b, p. 134, Pl. 11, figs. 2a-2c. Keyes, 1888, p. 234, Pl. 1, figs. 4-5. Miller, S. A., 1889, p. 276. Lesley, 1889, p. 822, Figs. 4-5. Wachsmuth and Springer, 1897, p. 799, Pl. 79, figs. 3a-3g. Weller, S., 1898c, p. 512. Ulrich, E. O., 1905, Pl. 6, figs. 23-24. Butts, C., 1917, p. 100, Pl. 24, figs. 15-16. Weller, J. M., 1917, p. 263, Pl. 43, figs. 4a-4b. Miller, A. M., 1919, p. 115, Pl. 63, figs. 15-16. Springer, 1926b, p. 50, Pl. 13, fig. 16. Sutton, 1934, p. 411, Pl. 50, figs. 10-13. Bassler and Moodey, 1943, p. 654. Horowitz, 1965, p. 42, Pl. 5, figs. 7-9. Welch, 1978b, p. 90, Figs. 2, no. C; 3, no. A. Webster, 1986, p. 269. Chestnut and Etensohn, 1988, p. 54, Pls. 6, figs. 9-14; 7, figs. 1-24; Figs. 13; 16, no. A. Baumiller and Plotnick, 1989, p. 317, Fig. 1, no. B. Webster, 1993, p. 99. Ausich, 2009a, p. 486, suppl. p. 42.

*Pterotocrinus spatulatus* Wetherby, 1879b, p. 137, Pl. 11, figs. 3a-3c. Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 512. Sutton, 1934, p. 410, Pl. 50, figs. 5-8. Butts, C., 1941, p. 251, Pl. 132, fig. 61. Bassler and Moodey, 1943, p. 656. Horowitz, 1965, p. 44, Pl. 5, figs. 14-15. Webster, 1973, p. 227. Welch, 1978b,

- p. 90, Fig. 2, no. D. Webster, 1986, p. 269. Chestnut and Etensohn, 1988, p. 54. Webster, 1993, p. 99.
- Pterotocrinus* sp. B Horowitz, 1965. Chestnut and Etensohn, 1988, p. 54. (See *P. horowitzi*). Webster, 1993, p. 99.
- Pterotocrinus* sp. C Horowitz, 1965, p. 49, Pl. 5, fig. 20. Webster, 1973, p. 227. Chestnut and Etensohn, 1988, p. 54. Webster, 1993, p. 99.
- Codonocrinites gracilis* Troost, 1850a, p. 60. Troost, 1850b, p. 419. Bassler, 1938, p. 69.
- Mississippian, Serpukhovian (middle Chesterian), Glen Dean Formation. United States, Kentucky, Indiana
- Pterotocrinus* cf. *P. acutus* Wetherby, 1879. Burdick and Strimple, 1983a, p. 179, Pl. 14, fig. 15. Webster, 1988, p. 139.
- Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus acutus* var. *bifurcatus* Wachsmuth and Springer, 1897 = *Pterotocrinus bifurcatus*
- Pterotocrinus arcuatus* Sutton, 1934, p. 402, Pl. 49, figs. 1-2. Bassler and Moodey, 1943, p. 654.
- Mississippian, Serpukhovian (Chesterian), Golconda Formation. United States, Kentucky
- Pterotocrinus armatus* Sutton, 1934, p. 407, Pl. 49, figs. 34-39. Bassler and Moodey, 1943, p. 654. Burdick and Strimple, 1971a, p. 39, Pl. 7, figs. 9-10. Webster, 1977, p. 148. Welch, 1978a, p. 914. Welch, 1978b, p. 90, Figs. 2, nos. E-F; 3, no. B; 4, nos. D-E. Webster, 1986, p. 269.
- Pterotocrinus sinuosus* Burdick and Strimple, 1971a, p. 40, Pl. 7, figs. 1, 4, 8, 11, 13. Webster, 1977, p. 148. Welch, 1978a, p. 914. Webster, 1986, p. 269.
- Mississippian, Serpukhovian (Chesterian), Golconda Formation, Beech Creek Limestone. United States, Kentucky, Illinois
- Pterotocrinus bifurcatus* Wetherby, 1879b, p. 136, Pl. 11, figs. 1a-1c. Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 513. Butts, C., 1917, p. 100, Pl. 24, fig. 15. Weller, J. M., 1917, p. 263, Pl. 43, fig. 3. Miller, A. M., 1919, p. 115, Pl. 63, fig. 14. Weller, S., 1920, p. 372, Pl. 10, fig. 14. Springer, 1926b, p. 50, Pl. 14, fig. 5. Sutton, 1934, p. 412, Pl. 50, figs. 14-16. Bassler and Moodey, 1943, p. 654. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 17. Cuénot, 1948, p. 38, Fig. 48. Ubaghs, 1953, p. 741, Fig. 115. Horowitz, 1965, p. 41, Pl. 4, figs. 5-10. Webster, 1973, p. 226. Welch, 1978b, p. 90, Fig. 2, no. B. Ubaghs in Moore and Teichert, 1978, p. T181, Fig. 154, no. 6. Lane in Moore and Teichert, 1978, p. T477, Fig. 281, no. 7c. Webster, 1986, p. 269. Chestnut and Etensohn, 1988, p. 54. Meyer and Ausich, 1983, p. 382, Fig. 1, no. g. Webster, 1988, p. 139. Baumiller and Plotnick, 1989, p. 317, Fig. 1, no. D. Webster, 1993, p. 99.

*Pterotocrinus acutus* var. *bifurcatus* Wetherby, 1879. Wachsmuth and Springer, 1897, p. 801, Pl. 79, figs. 9a-9b. Weller, S., 1898c, p. 513. Bassler and Moodey, 1943, p. 654.

Mississippian, Serpukhovian (middle Chesterian), Glen Dean Formation; upper part of Okaw Formation. United States, Kentucky, Illinois

\**Pterotocrinus capitalis* (Lyon, 1857). Lyon and Casseday, 1860b, p. 68. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 276. Wachsmuth and Springer, 1897, p. 794, Pl. 79, figs. 6a-6b. Weller, S., 1898c, p. 513. Ulrich, E. O., 1905, Pl. 6, figs. 21-22. Butts, C., 1917, p. 95, Pl. 23, figs. 1-4. Weller, J. M., 1917, p. 262, Pl. 42, figs. 2a-2c. Miller, A. M., 1919, p. 115, Pl. 62, figs. 1-3. Weller, S., 1920, p. 360, Pl. 8, figs. 36-39. Springer, 1926b, p. 49, Pl. 13, fig. 23. Sutton, 1934, p. 409, Pl. 50, figs. 20-24. Bassler and Moodey, 1943, p. 655. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 2. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 16. Weller, J. M., 1947, p. 581, figs. 1-4. Webster, 1973, p. 226. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 7a. Webster, 1986, p. 269.

*Asterocrinus capitalis* Lyon, 1857, p. 472, Pl. 3, figs. 1a-1k. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 513. Bassler, 1938, p. 46, 161. Bassler and Moodey, 1943, p. 655.

Mississippian, Serpukhovian (Chesterian), Golconda Formation; Glen Dean Formation. United States, Kentucky

*Pterotocrinus chesterensis* (Meek and Worthen, 1860). Meek and Worthen, 1866b, p. 292, Pl. 23, figs. 1a-1c; Fig. 30. Shumard, 1868, p. 393. Miller, S. A., 1889, p. 276, Fig. 410. Wachsmuth and Springer, 1897, p. 802, Pl. 79, figs. 5a-5b. Weller, S., 1898c, p. 513. Sutton, 1934, p. 414, Pl. 49, figs. 23-24. Bassler and Moodey, 1943, p. 655.

*Dichocrinus* (*Pterotocrinus*) *chesterensis* Meek and Worthen, 1860, p. 383. Shumard, 1868, p. 393. Weller, S., 1898c, p. 513. Bassler and Moodey, 1943, p. 655.

*Dichocrinus chesterensis* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 239. Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois

*Pterotocrinus cinnarius* Wilson, 1916 = *Pterotocrinus coronarius*

*Pterotocrinus clorensis* Sutton, 1934 = *Pterotocrinus depressus*

*Pterotocrinus convexus* Sutton, 1934, p. 405, Pl. 49, figs. 52-53. Bassler and Moodey, 1943, p. 655. Burdick and Strimple, 1983a, p. 179, Pl. 5, figs. 4, 8, 12, 16. Webster, 1988, p. 140.

Mississippian, Serpukhovian (Chesterian), upper part of Monteagle Limestone; Paint Creek Formation. United States, Alabama, Illinois

*Pterotocrinus cornigerus* (Shumard, 1857) = \**Talarocrinus cornigerus*

*Pterotocrinus cornutus* (Troost, 1850) = *Talarocrinus symmetricus*



- Pterotocrinus coronarius* (Lyon, 1857). Lyon and Casseday, 1860b, p. 68. Shumard, 1868, p. 394. Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 513. Springer, 1926b, p. 48, Pl. 14, figs. 1-3a. Sutton, 1934, p. 410, Pl. 50, figs. 25-31. Moore, 1939b, p. 237, Fig. 12, no. 3 ("wing plate"). Bassler and Moodey, 1943, p. 655. Ubaghs, 1953, p. 741, Fig. 114. Gutschick, 1965, p. 644, Fig. 6. Webster, 1973, p. 226. Ubaghs *in* Moore and Teichert, 1978, p. T181, Fig. 154, no. 5. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 7b. Webster, 1986, p. 269.
- Pterotocrinus (Asteroocrinus) coronarius* Lyon, 1857. Lesley, 1889, p. 822, Figs. 1-1a.
- Pterotocrinus coronatus* (Lyon, 1857). Wachsmuth and Springer, 1897, p. 795, Pl. 79, figs. 7a-7b.
- Pterotocrinus cirnarius* (Lyon, 1857). Wilson, H. E., 1916, p. 510, Pl. 3, fig. 11.
- Asteroocrinus coronarius* Lyon, 1857, p. 476, Pl. 1, figs. 1-1a. Shumard, 1868, p. 394. Miller, S. A., 1889, p. 226. Weller, S., 1898c, p. 513. Bassler and Moodey, 1943, p. 655.
- Mississippian, Serpukhovian (Chesterian), Golconda Formation. United States, Kentucky
- Pterotocrinus coronatus* Wachsmuth and Springer, 1897 = *Pterotocrinus coronarius*
- Pterotocrinus (Asteroocrinus) coronarius* Lyon, 1857 = *Pterotocrinus coronarius*
- Pterotocrinus crassus* (Meek and Worthen, 1860). Meek and Worthen, 1866, p. 290, Pl. 23, figs. 2a-2b. Shumard, 1868, p. 394. Miller, S. A., 1889, p. 276, Fig. 411. Wachsmuth and Springer, 1897, p. 801, Pl. 79, fig. 8. Weller, S., 1898c, p. 513. Sutton, 1934, p. 414, Pl. 50, fig. 9. Bassler and Moodey, 1943, p. 655.
- Dichocrinus (?Pterotocrinus) crassus* Meek and Worthen, 1860, p. 382. Shumard, 1868, p. 394. Weller, S., 1898c, p. 513. Bassler and Moodey, 1943, p. 655.
- Dichocrinus crassus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 239.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Illinois, Kentucky
- Pterotocrinus cuneatus* Sutton, 1934, p. 407, Pl. 49, figs. 11-14. Bassler and Moodey, 1943, p. 655.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Illinois
- Pterotocrinus* cf. *P. cuneatus* Sutton, 1934. Burdick and Strimple, 1983a, p. 180, Pl. 5, figs. 27, 30. Webster, 1988, p. 140.
- Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus depressus* Lyon and Casseday, 1860b, p. 68. Shumard, 1868, p. 394. Meek and Worthen, 1873, p. 559, Pl. 21, fig. 13. Wetherby, 1879b, Pl. 8, fig. 11. Miller, S. A., 1889, p. 276. Wachsmuth and Springer, 1897, p. 796, Pl. 79, figs. 2a-3. Weller, S., 1898c, p. 513. Ulrich, E. O., 1905, Pl. 6, figs. 25-26. Grabau and Shimer, 1910, p. 523, Fig. 1848. Butts, C., 1917, p. 100, Pl. 24, fig. 12. Springer, 1926b, p. 50, Pl. 14, figs. 4-4a. Sutton, 1934, p. 403, Pl. 49, figs. 7-8.

- 40-44. Moore, 1939b, p. 237, Fig. 12, no. 6 ("wing plate"). Bassler and Moodey, 1943, p. 655. Horowitz, 1965, p. 45, Pl. 5, figs. 16-19. Webster, 1973, p. 226. Welch, 1978b, p. 90, Figs. 1; 2, no. G; 4, nos. B-C; 6. Broadhead, 1985, p. 211, Fig. 6, nos. G-H. Webster, 1986, p. 269. Chestnut and Ettensohn, 1988, p. 55, Pl. 8, figs. 1-12; Figs. 13, 16, no. B. Webster, 1988, p. 140. Baumiller and Plotnick, 1989, p. 317, Figs. 1, nos. A, C; 10. Webster, 1993, p. 99.
- Pterotocrinus clorensis* Sutton, 1934, p. 405, Pl. 49, figs. 52-53. Bassler and Moodey, 1943, p. 655. Chestnut and Ettensohn, 1988, p. 55. Webster, 1993, p. 99.
- Pterotocrinus menardensis* Weller, S., 1920, p. 373, Pl. 11, fig. 9. Sutton, 1934, p. 405, Pl. 49, figs. 47-49. Bassler and Moodey, 1943, p. 656. Chestnut and Ettensohn, 1988, p. 55. Webster, 1993, p. 99.
- Pterotocrinus vannus* Sutton, 1934, p. 412, Pl. 49, figs. 45-46. Bassler and Moodey, 1943, p. 656. Horowitz, 1965, p. 43, Pl. 5, figs. 10-13. Webster, 1973, p. 227. Chestnut and Ettensohn, 1988, p. 55. Webster, 1993, p. 99.
- Pterotocrinus wetherbyi* Miller and Gurley, 1895, p. 44, Pl. 4, figs. 6-9. Miller, S. A., 1897, p. 752, Fig. 1389. Weller, S., 1898c, p. 514. Sutton, 1934, p. 414, Pl. 50, figs. 1-4. Bassler and Moodey, 1943, p. 657. Chestnut and Ettensohn, 1988, p. 55. Webster, 1993, p. 99.
- Pterotocrinus* sp. A Horowitz, 1965, p. 46, Pl. 5, figs. 1-3. Webster, 1973, p. 227. Chestnut and Ettensohn, 1988, p. 55. Webster, 1993, p. 99.
- Mississippian, Serpukhovian (middle Chesterian), Glen Dean Formation. United States, Kentucky
- Pterotocrinus* cf. *P. depressus* Lyon and Casseday, 1860. Burdick and Strimple, 1983a, p. 181, Pl. 5, figs. 14-15, 19-20. Webster, 1988, p. 140.
- Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus edestus* Gutschick, 1965, p. 642, Pl. 79, figs. 13-28. Webster, 1973, p. 226.
- Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Kentucky, Illinois
- Pterotocrinus elongatus* Sutton, 1934, p. 408, Pl. 49, figs. 15-18. Bassler and Moodey, 1943, p. 656. Welch, 1978b, p. 90, Fig. 2, no. A. Webster, 1986, p. 269.
- Mississippian, Viséan - Serpukhovian (Chesterian), Paint Creek Formation. United States, Illinois
- Pterotocrinus horowitzi* Burdick and Strimple, 1983a, p. 182, Pl. 5, figs. 22, 25, 28-29. Webster, 1988, p. 140.
- Pterotocrinus* sp. B Horowitz, 1965, p. 48, Pl. 5, figs. 4-6. Webster, 1973, p. 227. Burdick and Strimple, 1983a, p. 182. Webster, 1988, p. 140.
- Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama

- Pterotocrinus lingulaformis* Sutton, 1934, p. 402, Pl. 49, figs. 25-28. Bassler and Moodey, 1943, p. 656. Burdick and Strimple, 1983a, p. 183, Pl. 5, figs. 3, 7, 11, 24. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Okaw Limestone; Bangor Limestone; shale below Hartselle Sandstone. United States, Alabama
- Pterotocrinus menardensis* Weller, 1920 = *Pterotocrinus depressus*
- Pterotocrinus pegasus* Gutschick, 1965, p. 643, Pl. 79, figs. 34-39; Fig. 6, nos. A-F. Webster, 1973, p. 226.  
Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Illinois
- Pterotocrinus pentalobus* Sutton, 1934, p. 413, Pl. 49, figs. 3-4. Bassler and Moodey, 1943, p. 656.  
Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois
- Pterotocrinus? primus* Sutton, 1934, p. 398, 402, Pl. 49, figs. 5-6. Bassler and Moodey, 1943, p. 656.  
Mississippian, Viséan (Chesterian), Renault Formation. United States, Illinois
- Pterotocrinus protuberans* (Hall, 1858). Wachsmuth and Springer, 1881, p. 91 (265). Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 514. Bassler and Moodey, 1943, p. 656.  
*Dichocrinus protuberans* Hall, 1858c, p. 689, Pl. 25, fig. 7. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 514. Bassler and Moodey, 1943, p. 656.  
Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois
- Pterotocrinus pyramidalis* Lyon and Casseday, 1860b, p. 69. Shumard, 1868, p. 394. Miller, S. A., 1889, p. 276. Wachsmuth and Springer, 1897, p. 798, Pl. 79, figs. 4a-4b. Weller, S., 1898c, p. 514. Grabau and Shimer, 1910, p. 523. Springer, 1926b, p. 50, Pl. 13, figs. 21-22. Sutton, 1934, p. 404, Pl. 49, figs. 19-20. Bassler and Moodey, 1943, p. 656. Ubaghs *in* Moore and Teichert, 1978, p. T113, Fig. 84, no. 4. Webster, 1986, p. 269.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Kentucky
- Pterotocrinus rugosus* Lyon and Casseday, 1860b, p. 71. Shumard, 1868, p. 394. Miller, S. A., 1889, p. 276. Weller, S., 1898c, p. 514. Springer, 1926b, p. 47, Pl. 13, figs. 17-20. Sutton, 1934, p. 404, Pl. 49, figs. 21-22. Bassler and Moodey, 1943, p. 656. Welch, 1978a, p. 906, Pls. 1, 2; Figs. 5-6. Webster, 1986, p. 269.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Kentucky
- Pterotocrinus scapulatus* Sutton, 1934, p. 403, Pl. 50, figs. 17-19. Bassler and Moodey, 1943, p. 656.  
Mississippian, Serpukhovian (Chesterian), Okaw Limestone; Glen Dean Limestone. United States, Illinois

- Pterotocrinus serratus* Weller, S., 1920, p. 342, Pl. 5, figs. 24-26. Sutton, 1934, p. 406, Pl. 49, figs. 50-51. Butts, C., 1941, p. 251, Pl. 132, figs. 54-60. Bassler and Moodey, 1943, p. 656. Webster, 1973, p. 227. Burdick and Strimple, 1983a, p. 184, Pl. 5, fig. 23, 26. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), upper part of Monteagle Limestone; Gasper Limestone. United States, Alabama
- Pterotocrinus* cf. *P. serratus* Weller, 1920. Burdick and Strimple, 1983a, p. 184, Pl. 5, figs. 1-2, 5-6, 9, 13, 17-18. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus sexlobatus* (Shumard, 1857) = *Talarocrinus sexlobatus*
- Pterotocrinus sex-lobatus* (Shumard, 1857) = *Talarocrinus sexlobatus*
- Pterotocrinus sinuosus* Burdick and Strimple, 1971 = *Pterotocrinus armatus*
- Pterotocrinus spatulatus* Wetherby, 1879 = *Pterotocrinus acutus*
- Pterotocrinus?* *springerensis* Elias, 1957, p. 386, Pl. 41, fig. 11. Webster, 1973, p. 227.  
Mississippian, Serpukhovian (Chesterian), Goddard Shale, Redoak Hollow Member.  
United States, Oklahoma
- Pterotocrinus subspatulatus* Sutton, 1934, p. 412, Pl. 49, figs. 45-46. Bassler and Moodey, 1943, p. 656.  
Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Kentucky
- Pterotocrinus tridecibrachiatus* Gutschick, 1965, p. 641, Pls. 79, figs. 1-12; 80, figs. 1-12; Figs. 4; 5, nos. B-C. Webster, 1973, p. 227. Welch, 1978b, p. 90, Fig. 2, no. H. Burdick and Strimple, 1983a, p. 185, Pl. 9, fig. 7. Webster, 1986, p. 270. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone; Kinkaid Limestone.  
United States, Alabama, Kentucky, Illinois
- Pterotocrinus* sp. cf. *P. tridecibrachiatus* Gutschick, 1965. Burdick and Strimple, 1970, p. 123, Fig. 1. Webster, 1977, p. 148.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation. United States, Oklahoma
- Pterotocrinus vannus* Sutton, 1934 = *Pterotocrinus depressus*
- Pterotocrinus wanlessi* Gutschick, 1965, p. 644, Pl. 80, figs. 49-66. Webster, 1973, p. 227. Burdick and Strimple, 1983a, p. 185. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone; Kinkaid Limestone.  
United States, Alabama, Kentucky, Illinois

- Pterotocrinus wetherbyi* Miller and Gurley, 1895 = *Pterotocrinus depressus*
- Pterotocrinus* sp. A Horowitz, 1965 = *Pterotocrinus depressus*
- Pterotocrinus* sp. A Gutschick, 1965, p. 644, Pl. 80, figs. 13-23. Webster, 1973, p. 227.  
Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Illinois, Kentucky
- Pterotocrinus* sp. A Burdick and Strimple, 1983a, p. 186, Pl. 4, fig. 4. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus* sp. B Horowitz, 1965 = *Pterotocrinus horowitzi*
- Pterotocrinus* sp. B Horowitz, 1965 = *Pterotocrinus acutus*
- Pterotocrinus* sp. B Gutschick, 1965, p. 645, Pl. 80, figs. 24-37. Webster, 1973, p. 227.  
Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Illinois, Kentucky
- Pterotocrinus* sp. B Burdick and Strimple, 1983a, p. 187, Pl. 4, fig. 11. Webster, 1988, p. 140.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus* sp. C Horowitz, 1965 = *Pterotocrinus acutus*
- Pterotocrinus* sp. C Gutschick, 1965, p. 645, Pl. 80, figs. 38-48. Webster, 1973, p. 227.  
Mississippian, Serpukhovian (Chesterian), Kinkaid Limestone. United States, Illinois, Kentucky
- Pterotocrinus* sp. C Burdick and Strimple, 1983a, p. 187, Pls. 5, fig. 10; 6, figs. 1, 14; 9, fig. 6. Webster, 1988, p. 141.  
Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Pterotocrinus* sp. D Burdick and Strimple, 1983a, p. 188, Pl. 4, fig. 8. Webster, 1988, p. 141.  
Mississippian, Chesterian, Bangor Limestone. United States, Alabama
- Pterotocrinus* sp. E Burdick and Strimple, 1983a, p. 189, Pls. 4, figs. 1-3, 5, 7, 10; 5, figs. 21, 31. Webster, 1988, p. 141.  
Mississippian, Chesterian, Bangor Limestone. United States, Alabama

*Pterotocrinus* spp.

Wachsmuth and Springer, 1889b, p. 373, Pl. 19, fig. 6.

No age or locality given

Easton, 1942, p. 84, Pl. 2, fig. 9. (spine)

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Arkansas

Burdick and Strimple, 1971a, p. 40, Pl. 7, figs. 6, 25. Webster, 1977, p. 148.

Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois

Anderson, W. I., 1983, p. 157, Fig. 7.16.

Mississippian, no locality data

Howell, 1995, p. 100, Pl. 6, fig. 6.

No age or locality given

**PTILOCRINUS** Wanner, 1916 = **EIFELOCRINUS**

*Ptilocrinus dohmi* Wanner, 1916 = *Eifelocrinus dohmi*

**PTYCHOCRINUS** Wachsmuth and Springer, 1885. \**Gaurocrinus splendens* Miller, 1883.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Dimerocrinitoidea, F. Dimerocrinitidae

Wachsmuth and Springer, 1885, p. 99 (321). Miller, S. A., 1889, p. 276. Zittel, 1895,

p. 130. Wachsmuth and Springer, 1897, p. 197. James, 1897, p. 109. Bather *in* Lankester, 1900, p. 198. Wachsmuth *in* Zittel, 1900, p. 145. Springer, 1913, p. 187. Bassler, 1915, p. 1076. Bassler, 1938, p. 162. Bassler and Moodey, 1943, p. 657. Moore and Laudon, 1943b, p. 83, Fig. 13. Moore and Laudon, 1944, p. 187, Pl. 70, fig. 9. Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 737. Brower, 1973, p. 445. Webster, 1973, p. 227. Frest, Strimple, and Kelly, 1976, p. 145, Fig. 2. Webster, 1977, p. 148. Ubaghs *in* Moore and Teichert, 1978, p. T434. Eckert, 1984, p. 20. Webster, 1986, p. 270. Ausich and Dravage, 1988, p. 286. Webster, 1988, p. 141. Webster, 1993, p. 99. Fearnhead and Donovan, 2007a, p. 908. Donovan et al., 2012, p. 154

Named, currently recognized species based on cups or crowns: 9 species. 3

Ordovician, 2 Katian, 1 Katian - Hirnantian; 2 Ordovician – Silurian, Katian – Llandoveryan; 4 Silurian, 3 Llandoveryan, 1 Wenlockian

Ordovician, Katian – Hirnantian; - Early Silurian. North America

*Ptychocrinus adamsensis* Ausich and Dravage, 1988, p. 286, Fig. 2, nos. 1-3.

Webster, 1993, p. 100.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

*Ptychocrinus angularis* (Miller and Dyer, 1887) = *Ptychocrinus parvus*

- Ptychocrinus fimbriatus* (Shumard, 1855). Brower, 1973, p. 446, Pls. 69-72; Fig. 42.  
Webster, 1977, p. 148. Ubaghs in Moore and Teichert, 1978, p. T201, Fig. 170,  
no. 1. Webster, 1986, p. 270.  
Ordovician, Katian (late Cincinnati), Girardeau Limestone. United States,  
Missouri, Illinois
- Ptychocrinus insperatus* (Rowley, 1904). Ausich, 1987b, p. 565, Figs. 1; 2, nos. 1-3.  
Webster, 1993, p. 100.  
*Glyptocrinus insperatus* Rowley, R. R., 1904d, p. 275d, Pl. 16, figs. 34, 42-43.  
Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 493. Kolata, 1982, p. 203.  
Ausich, 1987b, p. 565. Webster, 1988, p. 27. Webster, 1993, p. 100.  
*Glyptocrinus insperatus* var. *carinatus* Rowley, R. R., 1904d, p. 278, Pl. 16, fig. 56.  
Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 493. Ausich, 1987b, p.  
565. Webster, 1993, p. 100.  
*Abludoglyptocrinus insperatus* (Rowley, 1904). Kolata, 1982, p. 203. Ausich,  
1987b, p. 565. Webster, 1988, p. 27. Webster, 1993, p. 100.  
Ordovician, Katian; - Early Silurian, Llandoveryan, Cyrene Formation,  
Edgewood Limestone. United States, Missouri
- Ptychocrinus longibrachialis* Brower, 1975 = *Euptychocrinus longibrachialis*
- Ptychocrinus longibrachialis* Brower, 1975. Donovan, Fearnhead, and Lewis, 2007, p.  
174, unfig.  
Silurian, Wenlockian, Much Wenloch Limestone Formation. United Kingdom,  
Scotland
- Ptychocrinus medinensis* Brett, 1978, p. 91, Pls. 1-2; Figs. 3-6. Eckert, 1984, p. 20, Pl.  
3, figs. 1, 7; Fig. 19. Webster, 1986, p. 270. Webster, 1988, p. 141.  
Silurian, Llandoveryan (Medinan), Medina Group, Power Glen Formation; Cabot  
Head Formation. Canada, Ontario; United States, New York
- Ptychocrinus mullochillensis* Fearnhead and Donovan, 2007, p. 908, Fig. 2. Donovan et  
al., 2008a, p. 35, Fig. 4. Donovan et al., 2012, p. 154, Pls. 42-44; Fig. 68.  
*Dimerocrinites?* sp. nov. Donovan and Harper, 2003. Fearnhead and Donovan,  
2007a, p. 908.  
*Ptychocrinus* sp. nov. Donovan et al., 2008b. Fearnhead and Donovan, 2007a, p.  
909.  
Silurian, middle Llandovery, Aeronian, Newlands Formation. United Kingdom,  
Scotland
- Ptychocrinus parvus* (Hall, 1866). Wachsmuth and Springer, 1885, p. 100 (332).  
Wachsmuth and Springer, 1897, p. 199, Pl. 18, figs. 1-2. James, 1897, p. 110,  
description, unfig. Bassler, 1915, p. 1076. Bassler and Moodey, 1943, p. 657.  
*Glyptocrinus parvus* Hall, 1866a, Pl. 1, fig. 17. Hall, 1867a, p. 304. Hall, 1872a, p. 3,  
Pl. 5, fig. 17. Hall, 1872b, p. 207, Pl. 5, fig. 17. Meek, 1873a, p. 36, Pl. 2, figs.  
4a-  
4b. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1076. Bassler and Moodey,  
1943, p. 657.

*Glyptocrinus angularis* Miller and Dyer, 1878b, p. 28, Pl. 1, fig. 10. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1076. Bassler and Moodey, 1943, p. 657.  
*Gaurocrinus angularis* (Miller and Dyer, 1878). Miller, S. A., 1883b, p. 229. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 1076.  
 ?*Glyptaster (Eucrinus) angularis* (Miller and Dyer, 1878). Wachsmuth and Springer, 1885, p. 265. Bassler, 1915, p. 1076.  
*Ptychocrinus angularis* (Miller and Dyer, 1878). Wachsmuth and Springer, 1885, p. 323 (p. 100). James, 1897, p. 109. Bassler, 1915, p. 1076.  
*Reteocrinus gracilis* Wetherby in Wachsmuth and Springer, 1881, p. 193 (367). Wetherby, 1881b, p. 83, Pl. 2, figs. 2-2a. Miller, S. A., 1889, p. 277. James, 1897, p. 103, description only. Bassler, 1915, p. 1076.  
*Glyptocrinus gracilis* (Wetherby, 1881). Miller, S. A., 1889, p. 248.  
 Ordovician, Katian (late Cincinnati), Fairmount Limestone. United States, Ohio

*Ptychocrinus pentagonus* (Rowley, 1904). Ausich, 1987b, p. 567, Figs. 1, no. 2; 2, nos. 4-7. Webster, 1993, p. 100.  
*Glyptocrinus insperatus* var. *pentagonus* Rowley, R. R., 1904d, p. 276, Pl. 16, figs. 35-36. Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 493. Ausich, 1987b, p. 567. Webster, 1993, p. 100.  
 Ordovician, Katian; - Early Silurian, Llandoverian, Cyrene Formation, Edgewood Limestone. United States, Missouri

*Ptychocrinus priscus* (Billings, 1857) = *Periglyptocrinus priscus*

\**Ptychocrinus splendens* (Miller, 1883). Wachsmuth and Springer, 1897, p. 198, Pl. 18, figs. 3a-3b. Savage, 1913, p. 39, Pl. 1, fig. 1 (adv. pub.). Bassler, 1915, p. 1076. Savage, 1917a, p. 95, Pl. 3, fig. 1. Bassler and Moodey, 1943, p. 657. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 19. Brower, 1973, p. 448, Pls. 73-76; Fig. 43. Webster, 1973, p. 227. Webster, 1977, p. 148. Ubaghs in Moore and Teichert, 1978, p. T434, Figs. 244, no. 3. Webster, 1986, p. 270.  
*Gaurocrinus splendens* Miller, S. A., 1883b, p. 230, Pl. 11, figs. 3-3a. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 1076. Bassler, 1938, p. 162. Bassler and Moodey, 1943, p. 657.  
 Ordovician, Katian – Hirnantian (late Cincinnati), Girardeau Limestone. United States, Missouri, Illinois

*Ptychocrinus* sp. nov. Donovan et al., 2008a = *Ptychocrinus mullochillensis*

*Ptychocrinus* sp. Stinchcomb, 2008, p. 85, Fig. 05-15.  
 Early Silurian, Cape Girardeau Formation. United States, Missouri

**PULASKICRINUS** Chestnut and Etensohn, 1988. \**Hypselocrinus campanulus* Horowitz, 1965.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae  
 Chestnut and Etensohn, 1988, p. 439, Fig. 10. Webster, 1993, p. 100.  
 Named, currently recognized species based on cups or crowns: 1 Mississippian, Serpukhovian species



Mississippian, Serpukhovian (middle Chesterian). United States

\**Pulaskicrinus campanulus* (Horowitz, 1965). Chestnut and Etensohn, 1988, p. 40, Pls. 3, figs. 1-5; 12, figs. 1-2; Figs. 14, 22; Tab. 5. Webster, 1993, p. 100.

*Hypselocrinus campanulus* Horowitz, 1965, p. 27, Pl. 2, figs. 11-14; Fig. 3. Webster, 1973, p. 154. Chestnut and Etensohn, 1988, p. 40. Webster, 1993, p. 100.

Mississippian, Serpukhovian (middle Chesterian), Glen Dean Formation; Pennington Formation. United States, Kentucky

**PUMILINDOCRINUS** Arendt, 1981. \**Indocrinus pumilus* Wanner, 1931.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Arendt, 1981, p. 73. Webster, 1988, p. 141.

Named, currently recognized species based on cups or crowns: 2 Permian species, series uncertain

Permian, series uncertain. West Timor

*Pumilindocrinus angulosus* (Wanner, 1931). Arendt, 1981, p. 74, Fig. 19, nos. n-p. Webster, 1988, p. 141.

*Indocrinus angulosus* Wanner, 1931, p. 7, Pl. 2, figs. 9-12. Bassler and Moodey, 1943, p. 523. Branson, C. C., 1948, p. 196. Webster, 1988, p. 141.

Permian, series uncertain. West Timor

\**Pumilindocrinus pumilus* (Wanner, 1931). Arendt, 1981, p. 74, Fig. 19, nos. z-m. Webster, 1988, p. 141.

*Indocrinus pumilus* Wanner, 1931, p. 7, Pl. 2, figs. 4-8; Fig. 2. Bassler and Moodey, 1943, p. 524. Branson, C. C., 1948, p. 197. Webster, 1988, p. 141.

Permian, series uncertain. West Timor

Pustular hybocrinid plates Sprinkle, 1971, p. D91, Fig. 1, nos. 30-34 (radials). Webster, 1973, p. 275.

Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

**PUTILOVOCRINUS** Rozhnov, 1988. \**P. fundatus* Rozhnov, 1988.

Sbc. Disparida, O. Maennilicrinida, F. Maennilicrinidae

Rozhnov, 1988, p. 78. Rozhnov, 1989, p. 73. Webster, 1993, p. 100. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Dapingian species

Ordovician, Dapingian. Estonia

\**Putilovocrinus fundatus* Rozhnov, 1988, p. 78, Pl. 6, fig. 11; Fig. 1, nos. k-l. Rozhnov, 1989, p. 73, Pl. 6, fig. 11; Fig. 1, nos. j-k. Webster, 1993, p. 100.

Ordovician, Dapingian, Volkhov Horizon. Estonia

**PYCNOCRINUS** Miller, 1883. \**Glyptocrinus shafferi* Miller, 1875.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Miller, S. A., 1883b, p. 219, 231. Miller, S. A., 1889, p. 276. Bassler, 1915, p. 1081. Miller, S. A., 1938, p. 162. Bassler and Moodey, 1943, p. 657. Moore and Laudon, 1943b, p. 96. Ubaghs, 1953, p. 741. Webster, 1973, p. 227. Brower and Veinus, 1978, p. 414. Ubaghs *in* Moore and Teichert, 1978, p. T487. Cowen, 1981, p. 333, Fig. 1. Kolata, 1986, p. 715. Webster, 1986, p. 270. Webster, 1988, p. 141. Webster, 1993, p. 100. Ausich, 1998b, p. 35. Ausich *in* Hess et al., 1999, p. 79, Fig. 90. (reconstruction). Brower, 2010, p. 633.

Named, currently recognized species based on cups or crowns: 11 Ordovician, Katian species, 1 subspecies

Ordovician, Katian (Champlainian – Cincinnati). North America

*Pycnocrinus attilis* Eckert, 1987a, p. 854, Figs. 3-4. Webster, 1993, p. 100.

Ordovician, Katian (Ashgillian), Georgian Bay Formation, Credit Member. Canada, Ontario

*Pycnocrinus argutus* (Walcott, 1883). Brower, 2010, p. 633, Figs. 4-5.

*Glyptocrinus argutus* Walcott, 1883, p. 1 (adv. pub.). Walcott, 1884, p. 1, Pl. 17, fig. 9. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1184. Bassler and Moodey, 1943, p. 684. Brower, 2010, p. 633.

?*Stelidiocrinus argutus* (Walcott, 1883). Wachsmuth and Springer, 1897, p. 280, Pl. 24, fig. 6. Bassler and Moodey, 1943, p. 684. Brower, 2010, p. 633.

*Stelidiocrinus argutus* (Walcott, 1883). Bassler, 1915, p. 1184. Bassler and Moodey, 1943, p. 684. Brower, 2010, p. 633.

Ordovician, Katian, Rust Limestone, Spillway Member. United States, New York

*Pycnocrinus dyeri* (Meek, 1872). Bassler and Moodey, 1943, p. 657. Ubaghs *in* Moore and Teichert, 1978, p. T93, T487, Figs. 69, no. 4; 291, nos. 2b-2d. Kolata, 1986, p. 717. Webster, 1986, p. 270. Broadhead, 1987, p. 182, Fig. 3, no. A. Davis, 1992, p. 47, Pl. 4, fig. 22. Webster, 1993, p. 100. Ausich, 1996b, p. 245, Fig. 17-4, no. 3. Ausich *in* Hess et al., 1999 p. 80, Figs. 94-95. Meyer and Davis, 2009, p. 178, Figs. 12.8, no. B; 12.9, nos. B-C.

*Glyptocrinus dyeri* Meek, 1872a, p. 314. Meek, 1873a, p. 32, Pl. 2, figs. 2a-2b.

Miller, S. A., 1889, p. 248. Dyche, 1892, p. 130. Wachsmuth and Springer, 1897,

p. 271, Pls. 20, figs. 1a-1c; 21, figs. 3a-3f, 6. James, 1897, p. 112. Bassler, 1915,

p. 554. McFarlan, 1917, p. 69. Cumings, 1908, p. 722, Pl. 4, fig. 8. Ehrenberg, 1922c, p. 274, Figs. 3, 5. Bassler and Moodey, 1943, p. 657. Moore and Laudon, 1943b, p. 142, Pl. 13, fig. 4. Moore and Laudon, 1944, p. 199, Pl. 73,

fig.

23. Bowsher, 1955a, p. 7, Pl. 1, figs. 1-5, 10-11. Caster, Dalve, and Pope, 1961, Pl. 4, fig. 22. Webster, 1973, p. 138. Brower, 1974a, p. 12, Fig. 3. Brower, 1974b, p. 15, Fig. 11, nos. 1-4. Webster, 1977, p. 91. Lane *in* Moore and Teichert, 1978, p. T346, Fig. 217, no. 3. Brett, 1981b, p. 361, Fig. 7, no. B. Webster, 1986, p. 158. Webster, 1988, p. 89. Morris and Felton, 1993, p. 466,

- Figs. 2, nos. A-B; 3, no. D.  
Ordovician, Katian (Cincinnatian), McMillan Formation, Waynesville Shale;  
Fairview Formation; Arnheim Formation, Corryville Shale. United States, Ohio,  
Indiana
- Pycnocrinus dyeri sublaevis* (Miller, 1878). Bassler and Moodey, 1943, p. 657.  
*Glyptocrinus dyeri* var. *sublaevis* Miller, S. A., 1878, p. 103, Pl. 3, fig. 2. Miller, S. A.,  
1883b, p. 217, Pl. 3, fig. 2. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 554.  
Bassler and Moodey, 1943, p. 657.  
Ordovician, Katian (Cincinnatian), Corryville Shale. United States, Ohio
- Pycnocrinus gerki* Kolata, 1986, p. 716, Figs. 2, no. 7; 3, nos. 1-6; 4. Webster, 1993, p.  
101. Brower and Kile, 1994, p. 25, Pl. 5.  
Ordovician, Katian (Champlainian), Guttenberg Formation, Glenhaven Member;  
Kings Lake Formation. United States, Wisconsin, Iowa, Illinois, Missouri
- Pycnocrinus germanus* (Miller, 1880). Miller, S. A., 1883b, p. 232. Miller, S. A., 1889, p.  
276, Fig. 412. Bassler, 1915, p. 1081. Bassler and Moodey, 1943, p. 657.  
*Glyptocrinus shafferi* var. *germanus* Miller, S. A., 1880c, p. 233, Pl. 7, figs. 2-2a.  
Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1081. Bassler and Moodey, 1943,  
p. 657.  
*?Glyptocrinus shafferi* Miller, 1880. Wachsmuth and Springer, 1897, p. 272, Pl. 21,  
figs. 3d-3f. James, 1897, p. 116, description only. Bassler, 1915, p. 1082.  
Bassler and Moodey, 1943, p. 657.  
Ordovician, Katian (Cincinnatian), Corryville Shale. United States, Ohio
- Pycnocrinus multibrachialis* Brower and Veinus, 1978, p. 421, Pl. 12, fig. 6; Fig. 5, no.  
D. Webster, 1986, p. 270.  
Ordovician, Katian (Champlainian), Decorah Shale. United States, Minnesota
- Pycnocrinus ornatus* (Billings, 1857) = *Abludoglyptocrinus ornatus* = *Eopatelliocrinus*  
*ornatus*
- Pycnocrinus pattersoni* (Miller, 1882). Bassler and Moodey, 1943, p. 658.  
*Glyptocrinus pattersoni* Miller, S. A., 1882b, p. 80, Pl. 3, figs. 2-2a. Miller, S. A.,  
1889, p. 248. Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 658.  
*Reteocrinus pattersoni* (Miller, 1882). Wachsmuth and Springer, 1883, p. 266.  
Bassler, 1915, p. 555. Bassler and Moodey, 1943, p. 660.  
*Canistrocrinus pattersoni* (Miller, 1882). Wachsmuth and Springer, 1885, p. 317 (p.  
95). Bassler, 1915, p. 555.  
*Canistrocrinus pattersoni* (Miller, 1882). James, 1897, p. 105.  
Ordovician, Katian (late Champlainian), Cynthiana Formation. United States,  
Kentucky
- Pycnocrinus ramulosus* (Billings, 1857). Kolata, 1986, p. 717. Webster, 1993, p. 101.  
Ordovician, Katian (late Champlainian), Cobourg Formation. Canada, Ontario

*Pycnocrinus sardesoni* Brower and Veinus, 1878, p. 416, Pl. 11, figs. 1-10; Fig. 5, nos. A-C. Kolata, 1986, p. 717. Webster, 1986, p. 270. Webster, 1993, p. 101. Ordovician, Katian (Champlainian), Decorah Shale. United States, Minnesota

\**Pycnocrinus shafferi* (Miller, 1873). Miller, S. A., 1889, p. 276, Figs. 413-415.

Bassler, 1915, p. 1082. Bassler and Moodey, 1943, p. 658. Ubaghs *in* Moore and Teichert, 1978, p. T487, Fig. 291, no. 2a. Kolata, 1986, p. 717. Webster, 1986, p. 270. Webster, 1993, p. 101.

*Glyptocrinus shafferi* Miller, S. A., 1875a, p. 277, Fig. 20. Miller, S. A., 1880c, p. 233, Pl. 7, fig. 3. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1082. Ehrenberg, 1922c,

p. 275, Fig. 4. Ehrenberg, 1929, p. 27, Fig. 17. Bassler, 1938, p. 162. Bassler and Moodey, 1943, p. 658.

Ordovician, Katian (Cincinnati), Fairmount Limestone; Corryville Limestone. United States, Ohio

*Pycnocrinus subglobosus* (Meek, 1872). Bassler and Moodey, 1943, p. 658.

*Glyptocrinus dyeri* var. *subglobosus* Meek, 1872a, p. 315. Meek, 1873a, p. 34, Pl. 2, figs. 2c. Bassler, 1915, p. 556. Bassler and Moodey, 1943, p. 658.

*Glyptocrinus subglobosus* Meek, 1872. Miller, S. A., 1889, p. 248. James, 1897, p. 114. Bassler, 1915, p. 556. Bassler, 1915, p. 556.

*Reteocrinus subglobosus* (Meek, 1872). Wachsmuth and Springer, 1883, p. 265. Bassler, 1915, p. 556.

Ordovician, Katian (Cincinnati), Corryville Limestone. United States, Ohio

*Pycnocrinus* sp. Davis, 1992, p. 29, Unnum. fig. (diagramatic)

**PYCINOSACCUS** Angelin, 1878. \**Cyathocrinites scrobiculatus* Hisinger, 1840.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.

Nipterocrinidae

Angelin, 1878, p. 13. Wachsmuth and Springer, 1880 (1879), p. 41 (264). Zittel, 1880, p. 343, 356. Zittel, 1895, p. 138. Bather *in* Lankester, 1900, p. 187.

Wachsmuth *in* Zittel, 1900, p. 164. Weller, S., 1900, p. 140. Springer, 1906, p. 484. Springer *in* Zittel, 1913, p. 203. Springer, 1920a, p. 180. Springer, 1926b, p. 67. Bassler, 1938, p. 162. Bassler and Moodey, 1943, p. 658. Bouska, 1943a, p. 1. Moore and Laudon, 1943b, p. 74, Fig. 11. Moore and Laudon, 1944, p. 181,

Pl.

66, fig. 1. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 228. Moore *in* Moore and Teichert, 1978, p. T780, Figs. 506, no. 3c; 507, no. 2b; 509, no. 3a. Webster, 1986, p. 271. Webster, 1993, p. 101. Donovan et al., 2010, p. 102.

**ONCOCRINUS** Bather, 1890c, p. 387. \**O. bucephalus* Bather, 1890c. Bather *in* Lankester, 1900, p. 187. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 658.

Named, currently recognized species based on cups or crowns: 9 species, 1 Subspecies. 7 Silurian, 4 Niagaran, 2 Wenlockian, 1 Wenlockian – Ludlovian, 1 Ludlovian subspecies; 2 Devonian, 1 Lochkovian, 1 Late Devonian, series undesignated

Silurian, Wenlockian - Ludlovian. Europe  
 Silurian, Niagaran; Early Devonian; Late Devonian. North America

*Pycnosaccus americanus* Weller, S., 1900, p. 149, Pl. 15, fig. 12 (incorrectly cited as *P. ornatus* in part). Springer, 1920a, p. 188, Pl. 13, fig. 10. Bassler and Moodey, 1943, p. 658.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Pycnosaccus bucephalus* (Bather, 1890). Springer, 1920a, p. 187, Pl. 12, figs. 10-11. Bassler, 1938, p. 140. Bassler and Moodey, 1943, p. 658. Ubaghs *in* Moore and Teichert, 1978, p. T143, Fig. 113, no. 2. Webster, 1986, p. 271. Donovan et al., 2010, p. 102, Pl. 27, figs. 4-5; Fig 44, nos. A-C.

*Oncocrinus bucephalus* Bather, 1890b, p. 334, 387, Pl. 14, fig. 31. Bassler and Moodey, 1943, p. 658. Donovan et al., 2008a, p. 49, Fig. 9, no. E.

Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom

*Pycnosaccus bucephalus bohemicus* Bouska, 1943a, p. 2, Pl. 1, figs. 1-6. Bouska, 1943b, p. 1, Pl. 1, figs. 1-6. Bouska, 1943c, p. 254, Pl. 1, figs. 1-6; Fig. 6. Webster, 1973, p. 228. Turek, 1990, p. 140, Pl. 3, fig. 2. Prokop and Petr, 1990, p. 17. Webster, 1993, p. 101.

*Pycnosaccus bucephallus bohemicus?* Bouska, 1943c, p. 254, Pl. 1, fig. 7.

Webster, 1973, p. 228. Prokop and Petr, 1990, p. 17. Webster, 1993, p. 101.  
 Silurian, Ludlovian, basal part of Kopanina Formation. Czech Republic, Bohemia

*Pycnosaccus bucephallus bohemicus?* Bouska, 1943 = *Pycnosaccus bucephallus bohemicus*

*Pycnosaccus calyculus* (Hall, 1852). Springer, 1920a, p. 185, Pl. 13, figs. 6-9. Bassler and Moodey, 1943, p. 658.

*Lecanocrinus calyculus* Hall, 1852a, p. 203, Pl. 46, figs. 3a-3b. Bassler and Moodey, 1943, p. 658.

*Lecanocrinus caliculus* Hall, 1852. Dujardin and Hupé, 1862, p. 132. Shumard, 1868, p. 379. Bigsby, 1868, p. 21. Miller, S. A., 1889, p. 257.

*Lecanocrinus waukoma* Weller, S., 1900, p. 148, Pl. 15, fig. 11 only. Bassler and Moodey, 1943, p. 658.

Silurian, Niagaran, Rochester Shale. United States, New York

*Pycnosaccus canadensis* (Whiteaves, 1891). Springer, 1920a, p. 189. Bassler and Moodey, 1943, p. 658.

*Arachnocrinus canadensis* Whiteaves, 1891, p. 208, Pl. 28, figs. 2-2a. Miller, S. A., 1892a, p. 674. Bassler and Moodey, 1943, p. 658.

Late Devonian. Canada, Mackenzie River Basin

*Pycnosaccus?* *costatus* Angelin, 1878 = *Pycnosaccus scrobiculatus*

*Pycnosaccus dubius* Springer, 1920a, p. 189, Pl. 13, figs. 11a-11b. Springer, 1926a, p. 68, Pl. 21, figs. 9-9a.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Pycnosaccus laurelianus* Springer, 1926 = *Lecocrinus laurelianus*

*Pycnosaccus nodulosus* Angelin, 1878, p. 14, Pls. 15, figs. 12, 14; 28, fig. 29.  
Springer, 1920a, p. 184, Pl. 11, figs. 11-16. Bassler and Moodey, 1943, p. 659.  
Moore *in* Moore and Teichert, 1978, p. T780, Fig. 520, no. 1a. Webster, 1986, p. 271.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Pycnosaccus ornatus* Weller, 1900 = *Pycnosaccus americanus*

*Pycnosaccus patei* Springer, 1920a, p. 186, Pl. 12, figs. 1-9. Springer, 1926a, p. 67, Pl. 21, figs. 1-4. Bassler and Moodey, 1943, p. 659. Moore and Laudon, 1944, p. 181, Pl. 54, fig. 4. Webster, 1973, p. 228. Moore *in* Moore and Teichert, 1978, p. T780, Fig. 520, no. 1g. Webster, 1986, p. 271.  
Silurian, Niagaran, Beech River Formation, Brownsport Limestone. United States, Tennessee

\**Pycnosaccus scrobiculatus* (Hisinger, 1840). Angelin, 1878, p. 14, Pl. 15, figs. 10-11.  
Springer, 1920a, p. 182, Pl. 11, figs. 1-10. Bassler and Moodey, 1943, p. 659.  
Moore *in* Moore and Teichert, 1978, p. T780, Figs. 519, no. 1; 520, nos. 1d-1f.  
Webster, 1986, p. 271. Turek, 1988, p. 382, Fig. 1.

*Cyathocrinites? scrobiculatus* Hisinger, 1840, p. 6, Pl. 39, figs. 4a-4e.

*Cyathocrinites scrobiculatus* Hisinger, 1840. Bronn, 1848, p. 366. Bigsby, 1868, p. 196. Bassler, 1938, p. 162. Bassler and Moodey, 1943, p. 659.

*Pycnosaccus? costatus* Angelin, 1878, p. 14, Pl. 15, fig. 13. Bassler and Moodey, 1943, p. 659.

*Crinoides novi generis* Hisinger, 1837, Pl. 25, figs. 6a-6c.

Silurian, Wenlockian. Sweden, Isle of Gotland

Late Silurian, Ludlovian. Czech Republic

*Pycnosaccus semilukensis* Yakovlev, 1956 = *Lecocrinus semilukensis*

*Pycnosaccus tenuibrachiatus* Springer, 1920a, p. 187, Pl. 13, figs. 1-2. Bassler and Moodey, 1943, p. 659. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 3. Moore and Laudon, 1944, p. 181, Pl. 69, fig. 11. Webster, 1973, p. 228. Moore *in* Moore and Teichert, 1978, p. T780, Fig. 520, nos. 1b-1c. Webster, 1986, p. 271.  
Devonian, Lochkovian, Keyser Formation. United States, West Virginia

*Pycnosaccus welleri* Springer, 1920 = \**Lecocrinus welleri*

**PYGMAEOCRINUS** Bouska, 1947. \**P. kettneri* Bouska, 1947.

Sbc. Disparida, Spf. Bellemnocrinoidea, F. Pygmaeocrinidae

Bouska, 1947, p. 1. Ubaghs, 1953, p. 747. Strimple, 1963d, p. 36, Fig. 8, no. b.

Webster, 1973, p. 228. Moore and Lane *in* Moore and Teichert, 1978, p. T558.

Webster, 1986, p. 271. Webster, 1993, p. 101. Prokop and Petr, 1997, p. 3, Fig. 1. Sevastopulo, Wyse Jackson, and Prokop, 2002, p. 251.

Named, currently recognized species based on cups or crowns: 8 Devonian species,  
1 Lochkovian, 4 Pragaian, 3 Emsian  
Devonian, Pragian - Emsian. Czech Republic

*Pygmaeocrinus campanulatus* Prokop and Petr, 1997, p. 4, Pls. 2, figs. 5-10; 3, figs. 1-9. Sevastopulo, Wyse Jackson, and Prokop, 2002, p. 252, Pl. 1, fig. 5; Fig. 2. Devonian, Pragian, Smíchov Lodenice Limestone. Czech Republic

*Pygmaeocrinus catharinae* Prokop and Petr, 1997, p. 6, Pls. 7, fig. 1-7; 8, figs. 1-6. Devonian, late Emsian, Trebotov Limestone. Czech Republic

*Pygmaeocrinus decoratus* Prokop and Petr, 1997, p. 7, Pls. 5, figs. 1-6; 6, figs. 1-7. Devonian, late Emsian, Trebotov Limestone. Czech Republic

*Pygmaeocrinus fabulosus* Prokop and Petr, 1997, p. 6, Pl. 6, figs. 8-12. Devonian, early Emsian, base of Zlichov Limestone. Czech Republic

*Pygmaeocrinus fallax* Prokop and Petr, 1997, p. 5, Pls. 3, fig. 11; 4, figs. 1-10. Devonian, Pragian, Lodenice Limestone. Czech Republic

\**Pygmaeocrinus kettneri* Bouska, 1947, p. 2, Pl. 1, figs. 1-4. Strimple, 1963d, p. 37, Fig. 7, nos. a-d. Webster, 1973, p. 228. Moore and Lane *in* Moore and Teichert, 1978, p. T558, Fig. 351, no. 1. Webster, 1986, p. 271. Prokop and Petr, 1990, p. 30, Pl. 5, figs. 8-10. Webster, 1993, p. 101. Prokop and Petr, 1997, p.3, Pl. 1, figs. 7-9. Sevastopulo, Wyse Jackson, and Prokop, 2002, p. 252, Pl. 1, figs. 1-4, 6-11; Fig. 1. Devonian, Pragian, Dvorce-Prokop Limestone. Czech Republic

*Pygmaeocrinus notabilis* Prokop and Petr, 1997, p. 5, Pl. 2, figs. 1-4. Devonian, Pragian, Koneprusy Limestone. Czech Republic

*Pygmaeocrinus rotundus* Prokop and Petr, 1997, p. 4, Pl. 1, figs. 1-6. Devonian, Lochkovian, Kotys Limestone. Czech Republic

*Pygmaeocrinus* spp.

Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross Formation, Birdsong Formation. United States, Tennessee

**PYNDAXOCRINUS** Knapp, 1969. \**Delocrinus separatus* Strimple, 1949.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae

Knapp, 1969, p. 365. Pabian and Strimple, 1974a, p. 274. Webster, 1977, p. 148. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T717. Pabian and Strimple, 1985, p. 41. Webster, 1986, p. 271. Webster, 1988, p. 141.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian, Virgillian species

Pennsylvanian, Virgilian. United States

*Pyndaxocrinus gerdesi* Pabian and Strimple, 1974a, p. 274, Pls. 35, figs. 5-7; 36, fig. 6.  
Webster, 1986, p. 271.

Pennsylvanian, Virgilian, Topeka Formation, Curzon Limestone. United States,  
Nebraska

*Pyndaxocrinus* sp. cf. *P. gerdesi* Pabian and Strimple, 1974. Pabian and Strimple,  
1985, p. 41, Fig. 18, nos. I-n. Webster, 1988, p. 142.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United  
States, Nebraska

*Pyndaxocrinus inornatus* Pabian and Strimple, 1980b, p. 9, Pl. 2, figs. 4-6  
(typographical error as *Pyndaxocrinas* p. 9). Pabian and Strimple, 1985, p. 42.  
Webster, 1986, p. 272. Webster, 1988, p. 142.

Pennsylvanian, Virgilian, Deer Creek Formation, Ervine Creek Limestone. United  
States, Nebraska

\**Pyndaxocrinus separatus* (Strimple, 1949). Knapp, 1969, p. 365. Webster, 1977, p.  
148. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T717, Fig. 474,  
no. 1. Pabian and Strimple, 1985, p. 41, Fig. 26, nos. a-b. Webster, 1986, p.  
272. Webster, 1988, p. 142.

*Delocrinus separatus* Strimple, 1949c, p. 26, Pl. 7, figs. 4-7. Strimple, 1960b, p. 153,  
Fig. 2, no. G. Knapp, 1969, p. 365. Webster, 1973, p. 101. Webster, 1977, p.  
148.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States,  
Kansas

**PYRENOCRINUS** McIntosh, 1983. \**Botryocrinus bethaniensis* Goldring, 1954.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
McIntosh, 1983, p. 500. Webster, 1988, p. 142.

Named, currently recognized species based on cups or crowns: 4 Devonian species,  
1 Emsian, 3 Givetian

Devonian, Givetian. North America

Devonian, ?Emsian. Falkland Islands

*Pyrenocrinus berryorum* McIntosh, 1983, p. 509, Fig. 6, nos. E-G. Webster, 1988, p.  
142.

Devonian, Givetian, Hungry Hollow Formation. Canada, Ontario

\**Pyrenocrinus bethaniensis* (Goldring, 1954). McIntosh, 1983, p. 502, Figs. 4; 5, nos.  
A-R; 6, nos. H-I. Webster, 1988, p. 142.

*Botryocrinus bethaniensis* Goldring, 1954, p. 20, Pl. 2, figs. 8-10 (given as figs. 8-  
9). Webster, 1973, p. 68. McIntosh, 1983, p. 502. Webster, 1988, p. 142.

Devonian, Givetian, Moscow Shale, several formations. United States, Indiana,  
Michigan, New York

*Pyrenocrinus buehlerorum* McIntosh, 1983, p. 509, Figs. 6, nos. A-D, J-O; 7, A-H.  
Webster, 1988, p. 142.



Devonian, Givetian, Traverse Group, several formations. United States,  
Michigan

*Pyrenocrinus? doubleti* (Kirk, 1913). McIntosh, 1983, p. 512, Fig. 8. Webster, 1988, p. 142.

*Botryocrinus doubleti* Kirk in Clarke, 1913, p. 316, Fig. 1913. Bassler and Moodey, 1943, p. 338. Castellano, 1967, p. 141, Unnum. Fig. p. 142. Webster, 1973, p. 69. Webster, 1977, p. 49. McIntosh, 1983, p. 512. Webster, 1988, p. 142.

Devonian, Emsian?, Fox Bay Formation?. West Falkland Island

**PYXIDOCRINUS** Müller, 1855. \**Actinocrinus prumiensis* Zeiler and Wirtgen, 1855.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Müller, J. in Zeiler and Wirtgen, 1855b, p. 82. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 597. Breimer, 1962a, p. 34. Webster, 1973, p. 228. Macurda, 1974, p. 823, Figs. 1-2. Webster, 1977, p. 148. Ubaghs in Moore and Teichert, 1978, p. T447. Webster, 1986, p. 272. Hauser, 1997, p. 137, Fig. 42.

Named, currently recognized species based on cups or crowns: 5 species. 1 Silurian or Devonian?, series unknown; 4 Devonian, 2 Emsian, 1 Eifelian, 1 Givetian Silurian or Devonian?, glacial drift. Spain

Devonian, Emsian - Eifelian. Spain

Devonian, Givetian. Germany

*Pyxidocrinus? bifrons* (Schmidt, 1932). Breimer, 1962a, p. 44. Webster, 1973, p. 228.

*Megistocrinus? bifrons* Schmidt, W. E., 1932, p. 23, Pl. 4, figs. 8a-8c. Bassler and Moodey, 1943, p. 550. Schmidt, W. E., 1952, p. 152, Pl. 10, figs. 1a-1c; Fig. 10. Webster, 1973, p. 228.

*Pithocrinus bifrons* (Schmidt, 1932). Kirk, 1945a, p. 346. Webster, 1973, p. 228.

Devonian, early Eifelian, Aranao Limestone. Spain

*Pyxidocrinus collensis* Breimer, 1962a, p. 35, Pl. 6, figs. 1-8. Webster, 1973, p. 228.

Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 256, nos. 1c, 1d. Webster, 1986, p. 272. Hauser in Hauser and Landeta, 2007, p. 69, Fig. 1.

Devonian, Emsian, La Vid Formation; boundary beds of Emsian – Eifelian, Santa Lucia Formation. Spain

*Pyxidocrinus latus* Breimer, 1962a, p. 40, Pl. 6, figs. 9-14. Webster, 1973, p. 228.

Devonian, early Emsian, La Vid Formation. Spain

\**Pyxidocrinus prumiensis* (Zeiler and Wirtgen, 1855). Breimer, 1962a, p. 35. Webster, 1973, p. 228. Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 256, nos. 1a-1b. Webster, 1986, p. 272. Hauser, 1997, p. 137, Pl. 64, figs. 3-4, 8-9.

*Actinocrinus prumiensis* Zeiler and Wirtgen, 1855, p. 81, Pl. 11, figs. 1-5. Schultze, 1866, p. 60. Schultze, 1867, p. 172, Pl. 6, fig. 6. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 600.

*Aorocrinus? prumiensis* (Zeiler and Wirtgen), 1855. Wachsmuth and Springer, 1897, p. 470.

*Periechocrinites prumiensis* (Zeiler and Wirtgen, 1855). Bassler and Moodey, 1943, p. 600.

*Periechocrinus prumiensis* (Zeiler and Wirtgen, 1855). Bassler and Moodey, 1943, p. 600.

Devonian, Givetian, Lough Formation, Hustley Member, Germany

*Pyxidocrinus cf. prumiensis* (Müller, 1855). Hauser, 1997, Pl. 64, fig. 10.

Devonian, Givetian, Lough Formation, Hustley Member, Germany

*Pyxidocrinus sanmigueli* (Astre, 1925). Breimer, 1962a, p. 43. Webster, 1973, p. 228.

*Periechocrinus sanmigueli* Astre, 1925a, p. 211, Pl. 13, fig. 1-4; Fig. 1-2. Astre, 1925b, p. 201, Pl. 1, figs. 1-4. Bassler and Moodey, 1943, p. 600. Breimer, 1962a, p. 43. Webster, 1973, p. 228.

*Periechocrinites sanmigueli* (Astre, 1925). Bassler and Moodey, 1943, p. 600. Silurian or Devonian, glacial drift. Spain

*Pyxidocrinus* sp. Ruhrmann, 1971b, p. 236, Fig. 5. Webster, 1977, p. 148.

Devonian. Spain

**QUADRITAXOCRINUS** Jell, 1999. \**Quadritaxocrinus websteri* Jell, 1999.

Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae  
Jell, 1999a, p. 105.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Lochkovian species

Devonian, late Lochkovian. Australia, Victoria

\**Quadritaxocrinus websteri* Jell, 1999a, p. 107, Fig. 84, nos. A-B. Sbc.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

**QUANTOXOCRINUS** Webby, 1965. \**Q. ussheri* Webby, 1965.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F.  
Mastigocrinidae

Webby, 1965, p. 12. Webster, 1973, p. 228. Webster, 1977, p. 149. Moore and  
Lane

*in* Moore and Teichert, 1978, p. T625. Webster, 1986, p. 272. McIntosh, 2001, p.  
800. Lane, Maples, and Waters, 2001b, p. 244. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 3 Devonian species,  
1 Givetian, 2 Famennian

Devonian, late Givetian. United Kingdom

Devonian, Famennian. Germany

Devonian, Famennian. United States, New York

*Quantoxocrinus clarkei* (Williams) McIntosh, 2001 = *Quantoxocrinus clarki*

*Quantoxocrinus clarkii* (Williams, 1882).

*Poteriocrinus clarkii* Williams, H. S., 1882, p. 21, Pl. 1, fig. 4. Miller, S. A., 1889, p.  
273. Goldring, 1923, p. 412, Pl. 54, figs. 4-5. Bassler and Moodey, 1943, p.  
639.

*Poteriocrinites clarkii* (Williams, 1882). Bassler and Moodey, 1943, p. 639.  
*Quantoxocrinus clarkei* (Williams, 1882). (sic) McIntosh, 2001, p. 800, Figs. 9.1-9.3.  
*Poteriocrinites clarkei* Williams, 1882. McIntosh, 2001, p. 800.  
 Devonian, Famennian, Arkwright Group, Chadakoin Formation, *Palmatolepis marginifera* Biozone; ?early Famennian, ?Canadway Group. United States, New York

*Quantoxocrinus goldringae* (Belanski, 1928) = *Glossocrinus goldringae*

?*Quantoxocrinus singulocirrus* (Schmidt, 1930). Lane, Maples, and Waters, 2001b, p. 244, Fig. 6.

*Culmicrinus? singulocirrus* Schmidt, W. E., 1930, p. 48, Pl. 1, figs. 5-8; Fig. 9.  
 Bassler and Moodey, 1943, p. 383. Lane, Maples, and Waters, 2001b, p. 244.  
 Devonian, Famennian, Etroeungt. Germany

\**Quantoxocrinus ussheri* Webby, 1965, p. 13, Pl. 4; Fig. 1. Webster, 1973, p. 228.

Moore and Lane in Moore and Teichert, 1978, p. T625, Fig. 408, no. 1.  
 Webster, 1986, p. 272. McIntosh, 2001, p. 800.  
 Devonian, late Givetian, Ilfracombe Beds *Polygnathus varcus* Biozone. United Kingdom, Quantock Hills

**QUASICYDONOCRINUS** Chen and Yao, 1993. \**Q. typicus* Chen and Yao, 1993, OD.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae, Sbf. Codiocrininae  
 Chen and Yao, 1993, p. 62, 93, Fig. 37. Webster, Waters, and Chen, 2009, p. 153.  
 Named, currently recognized species based on cups or crowns: 1 Devonian, Famennian species  
 Devonian, Famennian. China, Yunnan Province

*Quasicydonocrinus catiniformis* Chen and Yao, 1993 = *Quasicydonocrinus typicus*

\**Quasicydonocrinus typicus* Chen and Yao, 1993, p. 62, 93, Pl. 12, fig. 19; Fig. 38, nos. a-b. Webster, Waters, and Chen, 2009, p. 153, Fig. 10, nos. d-h.

*Quasicydonocrinus catiniformis* Chen and Yao, 1993, p. 63, Pl. 12, fig. 25; Fig. 39.  
 Webster, Waters, and Chen, 2009, p. 63.  
 Devonian, Famennian, Heyuanzhai Formation. China, Yunnan Province

**QUINIOCRINUS** Schmidt, 1942. \**Q. erectus* Schmidt, 1942.

Sbc. Disparida, Spf. Pisocrinoidea, F. Quiniocrinidae  
 Schmidt, W. E., 1942, p. 33. Moore, 1962b, p. 14, Fig. 6, no. 5. Strimple, 1963d, p. 24, Fig. 2, no. b. Webster, 1973, p. 228. Moore and Lane in Moore and Teichert, 1978, p. T558, Fig. 350, no. 5. Rozhnov, 1981, p. 113. Webster, 1986, p. 272. Webster, 1988, p. 142.  
 Named, currently recognized species based on cups or crowns: 1 Devonian Eifelian species  
 Devonian, Eifelian. Germany

\**Quiniocrinus erectus* Schmidt, W. E., 1942, p. 35, Fig. 4 (not Fig. 5 as given).  
 Strimple, 1963d, p. 24, Fig. 2, no. a. Webster, 1973, p. 228. Moore and Lane *in*  
 Moore and Teichert, 1978, p. T558, Fig. 350, no. 5. Rozhnov, 1981, p. 113,  
 Figs. 6, no. d; 7, no. g; 21, no. k. Webster, 1986, p. 272. Webster, 1988, p. 142.  
 Rozhnov, 2002, p. S628, Fig. 71, no. e (diagramatic).  
 Devonian, Eifelian, *Orthocrinus* Schichten. Germany

*Quiniocrinus* sp. Ubaghs *in* Moore and Teichert, 1978, p. T115, Fig. 88, no. 5.  
 Webster, 1986, p. 273.  
 Middle Devonian. Germany

**QUINQUECAUDEX** Brower and Veinus, 1982 = **DENDROCRINUS**

*Quinquecaudex cincinnatiensis* (Meek, 1872) = *Dendrocrinus cincinnatiensis*

*Quinquecaudex glabellus* Brower and Veinus, 1982 = *Dendrocrinus glabellus*

*Quinquecaudex springeri* (Kolata, 1975) = *Dendrocrinus? springeri*

*Quinquecaudex* species A Guensburg, 1984, p. 55, Pl. 11, figs. 1-2, 11. Webster,  
 1988, p. 143.  
 Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

*Quinquecaudex* sp. Brower and Veinus, 1982, p. 134. Webster, 1988, p. 143.  
*Dendrocrinus* sp. A Kolata, 1975, p. 32, Pl. 5, fig. 4. Brower and Veinus, 1982, p.  
 134. Webster, 1986, p. 124. Webster, 1988, p. 143.  
 Ordovician, Sandbian (Champlainian), Quimby Mill Formation or upper part of  
 Platteville Formation. United States, Illinois

**QUINTUPLEXACRINUS** Brower, 2002b. \**Dendrocrinus oswegoensis* Meek and  
 Worthen, 1868, OD  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, F. Merocrinidae  
 Brower, 2002b, p. 993.  
 Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
 species  
 Ordovician, Katian, Maquoketa Formation. United States

\**Quintuplexacrinus oswegoensis* (Meek and Worthen, 1868). Brower, 2002b, p. 994,  
 Figs. 1-3. Sloan, 2005, p. 153, Fig. 4-61, no. 2.  
*Dendrocrinus? oswegoensis* Meek and Worthen, 1868c, p. 333, Pl. 4, fig. 4; Unnum.  
 Fig. Miller, S. A., 1889, p. 238, Fig. 284. Bassler, 1915, p. 397. Bassler and  
 Moodey, 1943, p. 415. Brower, 2002b, p. 994.  
 ?*Dendrocrinus oswegoensis* Meek and Worthen, 1868. Brower, 2002b, p. 994.  
 Crinoid column AA Slocum, 1924. Brower, 2002b, p. 994.  
 Crinoid column AB Slocum, 1924. Brower, 2002b, p. 994.  
 Crinoid column AC Slocum, 1924. Brower, 2002b, p. 994.  
*Heterocrinus* sp.? Thomas and Ladd, 1926. Brower, 2002b, p. 994.  
 Undetermined crinoid Thomas and Ladd, 1926. Brower, 2002b, p. 994.

Ordovician, Katian (Ashgillian), Maquoketa Formation, Elgin Member, *Vogdesia* Bed; Clermont Member, Brainard Member; Unknown horizon. United States, Iowa, Illinois

?Radiatale von ?*Acanthocrinus* Hauser, 2007, p. 80, Fig. 6 (A basal or infrabasal circlet, GDW, 2007)  
Devonian, Givetian, Ahbach Formation. Germany

Radial articular facet Hashimoto, 1984, p. 5, Fig. 3, no. 4 (diagramatic). Webster, 1993, p. 101.

Radial gen. et sp. indet. Sieverts-Doreck, 1951a, p. 141, Fig. 8. Webster, 1973, p. 275.  
Mississippian. Germany

Radial plate indet. A Haude, 2004b, p. 242, Pl. 1, figs. 10., 12.  
Devonian, late Famennian, Etröeungt, Middle *expansa* Biozone. Germany

Radial plates of actinocrinitids Miller et al., 2008, p. 263, Fig. 12.10, nos. 19-21.  
Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

Radiale d'un Dendrocrinoidea indéterminé Termier, G. and Termier, H., 1950, p. 228, Pl. 222, figs. 23-24. Webster, 1973, p. 275.  
Pennsylvanian, Westphalian. Algeria

**RADIOBRACHIOLA** Termier and Termier, 1974. *Nomen vetitum*.

Termier, H. and Termier, G., 1974, p. 31. Jeffords in Moore and Teichert, 1978, p. T937. Webster, 1986, p. 273.  
Devonian, Pragian. Morocco

*Radiobrachiola* sp. 1 Termier, H. and Termier, G., 1974, p. 31, Pl. 4, fig. 1. Webster, 1986, p. 273.  
Devonian, Pragian; Morocco

*Radiobrachiola* sp. 2 Termier, H. and Termier, G., 1974, p. 31, Pl. 4, fig. 2. Webster, 1986, p. 273.  
Devonian, late Emsian. Morocco

**RAMACRINUS** Prokop, 1969. \**R. multiformis* Prokop, 1969.

Sbc. Disparida, O. Homocrinida, F. Ramacrinidae  
Prokop, 1969, p. 375. Prokop, 1977, p. 45. Webster, 1977, p. 149. Moore and Lane in Moore and Teichert, 1978, p. T560. Webster, 1986, p. 273. Sevastopulo and Lane, 1988, p. 251. Clement, 1988, p. 113. Webster, 1988, p. 143. Webster, 1993, p. 101.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 1 Pragian, 2 Emsian. **Note**, Webster and Gupta species not included.  
Devonian, Pragian - Emsian. Czech Republic

*Ramacrinus brevis* Le Menn and Prokop, 1980, p. 246, Pl. 1, figs. 1-2. Le Menn, 1985, p. 79, Pl. 15, fig. 14; Fig. 2, no. D. Webster, 1986, p. 273. Webster, 1988, p. 143. Prokop and Petr, 1990, p. 17. Webster, 1993, p. 101.

Devonian, late Emsian, Beg an Arreun Formation. France, Armorican Massif  
Devonian, Pragian, Dvorce-Prokop Limestones. Czech Republic, Bohemia

\**Ramacrinus multiformis* Prokop, 1969, p. 376, Pls. 1, 2. Webster, 1977, p. 149. Moore and Lane *in* Moore and Teichert, 1978, p. T560, Fig. 354, no. 1. Webster, 1986, p. 273. Prokop and Petr, 1990, p. 34, 35, Pl. 5, figs. 1-7. Webster, 1993, p. 101. Devonian, early Emsian, Zlichov Formation. Czech Republic, Bohemia

*Ramacrinus prokopi* Webster and Gupta, 1985, p. 64, Fig. 3, nos. a-d. Webster, 1988, p. 143.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Early Devonian, Tanze Formation. India, Ladakh

*Ramacrinus robustus* Prokop, 2002a, p. 63, Fig. 1, nos. q-d.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

*Ramacrinus sinuosus* Webster and Gupta, 1985, p. 65, Fig. 2, nos. a-d. Webster, 1988, p. 143.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.  
Early Devonian, Tanze Formation. India, Ladakh

*Ramacrinus truncus* (Gupta and Webster, 1980). Webster and Gupta, 1985, p. 64. Webster, 1988, p. 143.

*Synbathocrinus truncus* Gupta and Webster, 1980, p. 9, Pl. 2, figs. 1-4. Webster and Gupta, 1985, p. 64. Webster, 1986, p. 278.

**Note:** Most Gupta localities considered fraudulent, Webster, 1991a.)  
Early Devonian, Tanze Formation. India, Ladakh

*Ramacrinus vesculus* Webster and Gupta, 1985, p. 65, Fig. 1, nos. a-d. Webster, 1988, p. 143.

**Note:** Most Gupta localities considered fraudulent, Webster, 1991a.  
Early Devonian, Tanze Formation. India, Ladakh

**RAMSEYOCRINUS** Bates, 1968. \**Dendrocrinus cambriensis* Hicks, 1873.

Sbc. Disparida, Spf. Myelodactyloidea, F. Eustenocrinidae

Bates, 1968, p. 406. Webster, 1973, p. 229. McKerrow (ed), 1978, p. 70, Fig. 5.

Moore and Lane *in* Moore and Teichert, 1978, p. T554. Kelly, 1982, p. 288, Fig. 7, no. 3. Ubaghs, 1983, p. 48. Webster, 1986, p. 273. Cope, 1988, p. 234.

Sevastopulo and Lane, 1988, p. 246. Rozhnov, 1988, p. 71, Fig. 1, nos. n-p.

Webster, 1988, p. 143. Rozhnov, 1989, p. 65, Fig. 1, nos. m-o. Donovan, 1989a, p. 124, Fig. 1. Webster, 1993, p. 101. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 3 Ordovician species, 2 Floian, 1 Darriwilian,

Ordovician, Floian – Darriwilian (Arenigian – Llanvirnian). Europe

- \**Ramseyocrinus cambriensis* (Hicks, 1873). Bates, 1968, p. 407, Pl. 76, figs. 1-5.  
Webster, 1973, p. 229. Moore and Lane *in* Moore and Teichert, 1978, p. T554,  
Fig. 348, no. 2. Donovan, 1984b, p. 627, Figs. 1, nos. C-D; 2-3. Webster, 1986,  
p. 273. Cope, 1988, p. 234, Figs. 1-3, 4, nos. a, c-d. Donovan, 1988c, p. 237.  
Webster, 1988, p. 143. Webster, 1993, p. 102.  
*Dendrocrinus cambriensis* Hicks, 1873, p. 51, Pl. 4, figs. 17-20. Bassler and  
Moodey, 1943, p. 414. Bates, 1968, p. 407. Webster, 1973, p. 229.  
*Iocrinus? cambriensis* (Hicks, 1873). Ramsbottom, 1961, p. 5, Pl. 3, figs. 9-11.  
Bates, 1968, p. 407. Webster, 1973, p. 229.  
Ordovician, Floian (early Arenigian), Ogof Hen Formation, Bolahaul Member;  
Porth Gain Beds. United Kingdom
- Ramseyocrinus? primus* (Waagen and Jahn, 1899). Prokop and Petr, 1990, p. 41.  
Webster, 1993, p. 102.  
*Entrochus primus* Waagen and Jahn, 1899, p. 182, Pl. 63, figs. 23-32. Bassler and  
Moodey, 1943, p. 453. Prokop and Petr, 1990, p. 41. Webster, 1993, p. 102.  
Bras? d'une espece dont le calice est inconnu Barrande, 1887, Pl. 2, figs. 7-8.  
Prokop and Petr, 1990, p. 52 (distal portion of arms). Webster, 1993, p. 102.  
Ordovician, Darriwillan, Sarka Formation. Czech Republic, Bohemia
- Ramseyocrinus vizcainoi* Ubaghs, 1983, p. 48, Pl. 8, fig. 5; Text Pl. 11, figs. A-J. Cope,  
1988, p. 235, Fig. 4, no. b. Donovan, 1988c, p. 237. Webster, 1988, p. 144.  
Webster, 1993, p. 102.  
Ordovician, Floian (Arenigian), Landeyran Shales. France
- Ramseyocrinus* sp. Donovan and Savill, 1988, p. 284, Fig. 1. Donovan, 1988c, p.  
237. Webster, 1993, p. 102.  
Ordovician, Floian (Arenigian), Fezouata Supermember, Feijas Externes Group.  
Morocco
- Ramules Webster and Maples, 2008, p. 211, Fig. 10.3, no. 1.  
(diagramatic)
- ?Ramules of undetermined crinoid Pisera, 1994, p. 290, Pl. 59, figs. 15-16.  
Ordovician, Darriwillan - Katian (Llanvirnian – Ashgillian), Mojca Limestone.  
Poland,  
Holy Cross Mountains
- RAMULOCRINUS** Laudon, Parks, and Spreng, 1952. \**R. nigelensis* Laudon, Parks,  
and Spreng, 1952.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F.  
Decadocrinidae  
Laudon, Parks, and Spreng, 1952, p. 557. Webster, 1973, p. 229. Strimple and  
Watkins, 1969, p. 199. Webster, 1977, p. 149. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T686. Burdick and Strimple, 1983a, p. 116. Webster,  
1986, p. 273. Chestnut and Ettensohn, 1988, p. 47, Figs. 10, 15. Webster,  
1988, p. 144. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 102.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 3 Tournaisian, 1 Viséan  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America

*Ramulocrinus albersi* (Miller and Gurley, 1896) = *Ramulocrinus fountainensis* =  
*Poteriocrinus albersi*

*Ramulocrinus albertsi* (Miller and Gurley, 1896) = *Ramulocrinus fountainensis* =  
*Poteriocrinus albersi*

*Ramulocrinus bozemanensis* (Miller and Gurley, 1896). Laudon, Parks, and Spreng, 1952, p. 558.

*Poteriocrinus bozemanensis* Miller and Gurley, 1896c, p. 82, Pl. 5, figs. 10-11.

Laudon, 1933, p. 70. Bassler and Moodey, 1943, p. 646.

*Gilmocrinus bozemanensis* (Miller and Gurley, 1896). Laudon, 1933, p. 70.

Bassler and Moodey, 1943, p. 489.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Formation. United States, Montana

*Ramulocrinus consectatus* Strimple and Watkins, 1969 = *Lanecrinus consectatus*

*Ramulocrinus fountainensis* (Worthen, 1882) = *Lanecrinus fountainensis*

*Ramulocrinus granuliferus* (Miller and Gurley), Laudon and Severson, 1953 =  
*Decadocrinus depressus* = *Lanecrinus depressus*

*Ramulocrinus halli* (Hall, 1861) = *Lanecrinus halli*

*Ramulocrinus livingstonensis* Laudon and Severson, 1953, p. 519, Pls. 51, figs. 16-19; 55, figs. 8-9. Webster, 1973, p. 229.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Ramulocrinus milleri* (Wetherby, 1881) = *Lanecrinus milleri*

\**Ramulocrinus nigelensis* Laudon, Parks, and Spreng, 1952, p. 558, Pls. 65, figs. 39, 40; 69, fig. 8. Webster, 1973, p. 229. Moore and Strimple *in* Moore and Teichert, 1978, p. T686, Fig. 453, no. 4a. Webster, 1986, p. 274.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Ramulocrinus repertus* (Miller and Gurley, 1890) = *Lanecrinus repertus*

*Ramulocrinus rudis* (Meek and Worthen, 1873). Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229.

*Poteriocrinites (Graphiocrinus, Scaphiocrinus) rudis* Meek and Worthen, 1870, p. 139. Bassler and Moodey, 1943, p. 497.



*Poteriocrinites (Scaphiocrinus) rudis* Meek and Worthen, 1870. Meek and Worthen, 1873, p. 412, Pl. 1, fig. 1. Bassler and Moodey, 1943, p. 497. Kirk, 1947, p. 303. Webster, 1973, p. 261.

*Graphiocrinus rudis* (Meek and Worthen, 1870). Wachsmuth and Springer, 1880 (1879), p. 123. Miller, S. A., 1889, p. 251, fig. 326. Weller, S., 1898c, p. 301. Bassler and Moodey, 1943, p. 497.

*Scaphiocrinus rudis* (Meek and Worthen, 1870). Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 301. Laudon and Severson, 1953, p. 520. Webster, 1973, p. 229. Kammer and Ausich, 1993, p. 623 (not a *Ramulocrinus*).

*Tropiocrinus rudis* (Meek and Worthen, 1870). Kirk, 1947, p. 303. Webster, 1973, p. 261.

*Acylocrinus rudis* (Meek and Worthen, 1870)

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Ramulocrinus ulrichi* (Worthen in Miller, 1889) = *Lanecrinus depressus*

*Raphanocrinus buckleyi* Kolata, 1975 = *Rhaphanocrinus buckleyi*

*Raphanocrinus? wachsmuthi* Oehlert, 1887 = *Neoarchaeocrinus wachsmuthi*

Reconstructed Ordovician crinoid and fragments of crinoid stems Anderson, W. I., 1983, p. 76, Fig. 4.19. Webster, 1986, p. 279.

Ordovician. Iowa

**REGNELLICRINUS** Rozhnov, 1981. \**Triacrinus regnelli* Bouska, 1956.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Rozhnov, 1981, p. 104. Webster, 1988, p. 144.

Named, currently recognized species based on cups or crowns: 1 Silurian, Ludlovian species

Silurian, early Ludlovian. Czech Republic

\**Regnellocrinus regnelli* (Bouska, 1956). Rozhnov, 1981, p. 104, Fig. 21, nos. a-d. Webster, 1988, p. 144.

*Triacrinus regnelli* Bouska, 1956a, p. 39, Pl. 6, figs. 6-7. Strimple, 1973d, Fig. 10, nos. e-g. Weyer, 1965, p. 970. Webster, 1973, p. 260. Moore and Lane in Moore and Teichert, 1978, p. T536, Fig. 333, nos. 1a-1e. Rozhnov, 1981, p. 104.

Webster, 1986, p. 309. Prokop and Petr, 1990, p. 43. Webster, 1993, p. 120. Silurian, early Ludlovian, Kopania Limestone. Czech Republic, Bohemia

**RESETOCRINUS** Prokop and Petr, 1991. \**R. arex* Prokop and Petr, 1991, OD.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Prokop and Petr, 1991, p. 131.

Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species

Devonian, late Emsian. Czech Republic, Bohemia

\**Resetocrinus arex* Prokop and Petr, 1991, p. 132, Pl. 1, figs. 1-7. Prokop and

- Petr, 1998a, p. 2, Pl. 1, figs. 1-3.  
Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia
- Resetocrinus bevar* Prokop and Petr, 1991, p. 132, Pl. 2, figs. 1-5.  
Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia
- Restes indéterminés Waagen and Jahn, 1899 (part) = *Cladida* gen. et sp. ind.
- Restes indéterminés Waagen and Jahn, 1899 (part) = *Hexacrinites anteres*
- Restes indéterminés Waagen and Jahn, 1899 (part) = *Inadunata* fam., gen. et sp. ind.
- Reteocrinoid feeding appendage Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. K.  
(diagramatic)
- RETEOCRINUS** Billings, 1859. \**R. stellaris* Billings, 1859.  
Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Reteocrinidae  
Billings, E., 1859a, p. 63. Shumard, 1868, p. 394. Bigsby, 1868, p. 23, 196. Zittel, 1880, p. 380. Wachsmuth and Springer, 1881, p. 191 (365). Miller, 1883c, p. 105. Wachsmuth and Springer, 1883a, p. 255. Wachsmuth and Springer, 1885, p. 94 (316). Miller, S. A., 1889, p. 277. Wetherby, 1891b, p. 83. Zittel, 1895, p. 130. Wachsmuth and Springer, 1897, p. 176. James, 1897, p. 101. Bather in Lankester, 1900, p. 198. Wachsmuth in Zittel, 1900, p. 144. Grabau and Shimer, 1910, p. 546. Springer, 1911b, p. 9. Springer in Zittel, 1913, p. 186. Bassler, 1915, p. 1100. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 659. Moore and Laudon, 1943b, p. 82, Fig. 13. Moore and Laudon, 1944, p. 183, Pl. 70, fig. 1.
- Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 735. Webster, 1973, p. 229. Kolata, 1975, p. 41. Frest, Strimple, and Kelly, 1976, p. 144, Fig. 2. Webster, 1977, p. 149. Ubaghs in Moore and Teichert, 1978, p. T414. Kolata, 1982, p. 176. Guensburg, 1984, p. 25. Smith, A. B., 1985, p. 168. Webster, 1986, p. 274. Ausich, 1988, p. 909, Fig. 1, no. 11. Webster, 1988, p. 144. Webster, 1993, p. 102. Ausich, 1998b, p. 35.
- RETIOCRINUS** Bigsby, 1868, p. 23.
- TRASKOCRINUS** Kolata, 1975. \**T. mahlburgi* Kolata, 1975. Kolata, 1975, p. 46. Ubaghs in Moore and Teichert, 1978, p. T414. Guensburg, 1984, p. 26. Webster, 1986, p. 308. Webster, 1988, p. 144.
- Named, currently recognized species based on cups or crowns: 11 Ordovician species, 6 Sandbian, 2 Sandbian – Katian, 3 Katian  
Middle - Late Ordovician. North America
- Reteocrinus alveolatus* (Miller and Gurley, 1894). Springer, 1911b, p. 10, Pl. 1, figs. 1-5. Bassler, 1915, p. 1100. Bassler and Moodey, 1943, p. 659. Ubaghs in Moore and Teichert, 1978, p. T414, Fig. 223, nos. 1c-1d. Guensburg, 1984, p. 29, Pl. 4, figs. 5-7, 9, 14-15. Webster, 1986, p. 274. Webster, 1988, p. 144.
- Retiocrinus alveolatus* Miller and Gurley, 1894b, p. 26, Pl. 2, fig. 22. Miller, S. A., 1897, p. 752, Fig. 1390. Bassler and Moodey, 1943, p. 659.

Ordovician, Katian (late Champlainian), Curdsville Limestone, Hull Limestone.  
United States, Kentucky; Canada, Ontario

*Reteocrinus baeri* (Meek, 1872) = *Xenocrinus baeri*

*Reteocrinus cognatus* (Miller, 1881) = *Gaurocrinus nealli*

*Reteocrinus depressus* Kolata, 1982, p. 176, Pl. 17, figs. 6-7; Fig. 49. Guensburg, 1984, p. 26. Webster, 1988, p. 145.  
Ordovician, Sandbian (early Champlainian), Bromide Formation, Mountain Lake Member. United States, Oklahoma

*Reteocrinus elongatus* Raymond, 1931, p. 203, Pl. 4, fig. 5. Bassler and Moodey, 1943, p. 659. Guensburg, 1984, p. 30, Pl. 4, fig. 4. Webster, 1988, p. 144.  
Ordovician, Sandbian (middle Champlainian), upper part of Ottosee Group, Lebanon Limestone. United States, Tennessee

*Reteocrinus fenestratus* Guensburg, 1984, p. 30, Pl. 2, figs. 10-13, 18. Webster, 1988, p. 145.  
Ordovician, Sandbian (middle Champlainian), upper part of Ottosee Group, Lebanon Limestone. United States, Tennessee

*Reteocrinus fimbriatus* Billings, E., 1859 = *Gaurocrinus fimbriatus*

*Reteocrinus gracilis* Wetherby, 1881 = *Ptychocrinus parvus*

*Reteocrinus magnificus* (Miller, 1883). Wachsmuth and Springer, 1897, p. 181, Pl. 9, fig. 2. James, 1897, p. 104, description only. Bassler, 1915, p. 1100. Bassler and Moodey, 1943, p. 659.  
*Gaurocrinus magnificus* Miller, S. A., 1883b, p. 230, Pl. 11, fig. 2. Miller, S. A., 1889, p. 247. Bassler, 1915, p. 1100. Bassler and Moodey, 1943, p. 659.  
Ordovician, Katian (late Cincinnati), Waynesville Limestone, Blanchester Beds. United States, Ohio

*Reteocrinus mahlburgi* (Kolata, 1975). Guensburg, 1984, p. 31. Webster, 1988, p. 145.

*Traskocrinus mahlburgi* Kolata, 1975, p. 46, Pl. 8, figs. 1, 4-5; Fig. 14. Ubaghs in Moore and Teichert, 1978, p. T414, Fig. 224, no. 1. Guensburg, 1984, p. 31. Webster, 1986, p. 309. Webster, 1988, p. 145.  
Ordovician, Sandbian - Katian (middle Champlainian), Platteville Group, Grand Detour Formation, lower part of Forrester Member. United States, Illinois

*Reteocrinus nealli* Hall, 1866 = *Gaurocrinus nealli*

*Reteocrinus nealli* Wachsmuth and Springer, 1897 = *Gaurocrinus nealli*

*Reteocrinus o'nealli* (Hall, 1866) = \**Gaurocrinus nealli*

*Reteocrinus onealli* (Hall, 1866) = \**Gaurocrinus nealli*

*Reteocrinus pattersoni* Wachsmuth and Springer, 1882 = *Pycnocrinus pattersoni*

*Reteocrinus polki* Guensburg, 1984, p. 31, Pls. 2, figs. 5, 17; 3, figs. 2-4, 11 (not Pl. 3, figs. 1-4, 11 as given p. 31). Webster, 1988, p. 145. Guensburg, 1992a, p. 137, Figs. 8, no. 2; 11, nos. 1-2, 10; 16, no. a.  
Ordovician, Sandbian (middle Champlainian), Lebanon Limestone. United States, Tennessee

*Reteocrinus richardsoni* (Wetherby, 1880) = *Canistocrinus richardsoni*

*Reteocrinus rocktonensis* Kolata, 1975, p. 41, Pl. 8, fig. 2; Fig. 12. Guensburg, 1984, p. 26. Webster, 1986, p. 274. Webster, 1988, p. 145.  
Ordovician, Sandbian – Katian (Champlainian), upper part of Guttenburg Formation. United States, Illinois

*Reteocrinus spinosus* Kolata, 1975, p. 45, Pl. 8, figs. 3, 8; Fig. 13. Guensburg, 1984, p. 32. Webster, 1986, p. 274. Webster, 1988, p. 145.  
Ordovician, Sandbian (Champlainian, Grand Detour Formation; Guttenburg Formation. United States, Illinois)

\**Reteocrinus stellaris* Billings, E., 1859a, p. 64, Pl. 9, figs. 4a-4e. Shumard, 1868, p. 394. Bigsby, 1868, p. 23. Wachsmuth and Springer, 1883a, p. 261, Figs. 1-3. Miller, S. A., 1889, p. 277, Fig. 416. Wachsmuth and Springer, 1897, p. 178, Pl. 9, figs. 3a-3c. Grabau and Shimer, 1910, p. 547. Springer, 1911b, p. 10, Pl. 1, figs. 6-7. Bassler, 1915, p. 1100. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 660. Wilson, A. E., 1946, p. 25. Webster, 1973, p. 230. Ubaghs *in* Moore and Teichert, 1978, p. T414, Fig. 223, nos. 1a-1b. Guensburg, 1984, p. 28, Pl. 4, figs. 1-3. Smith, A. B., 1985, p. 168, Pl. 7.4.10. Webster, 1986, p. 274. Webster, 1988, p. 145.  
Ordovician, Katian (late Champlainian), Hull Limestone, Cobourg Beds. Canada, Ontario; United States, Ohio

*Reteocrinus subglobosus* (Meek, 1872) = *Pycnocrinus subglobosus*

*Reteocrinus variabilicaulis* Guensburg, 1984, p. 32, Pls. 2, figs. 14-16, 20; 3, figs. 5-10, 13; 4, figs. 12-13. Webster, 1988, p. 145. Guensburg, 1992a, p. 137, Figs. 11, nos. 6-9; 12, nos. 2-3; 13 (diagramatic); 16, no. g.  
Ordovician, Sandbian (middle Champlainian), upper part of Ottosee Group, Lebanon Limestone. United States, Tennessee

*Reteocrinus* species cf. *R. variabilicaulis* Guensburg, 1984, p. 33, Pl. 3, fig. 12. Webster, 1988, p. 145.  
Ordovician, Sandbian (middle Champlainian), upper part of Ottosee Group, Lebanon Limestone. United States, Tennessee

*Reteocrinus* species Guensburg, 1984, p. 33, Pl. 2, fig. 19. Webster, 1988, p. 145.  
Ordovician, Sandbian (middle Champlainian), upper part of Ottosee Group,  
Lebanon Limestone. United States, Tennessee

**RETIBRACHIOLA** Termier and Termier, 1974. *Nomen vetitum*  
Termier, H. and Termier, G., 1974, p. 31. Webster, 1986, p. 274.  
Devonian, Couvinian. Morocco

*Retibrachiola* sp. 1 Termier, H. and Termier, G., 1974, p. 31, Pl. 4, fig. 5. Webster,  
1986, p. 274.  
Devonian, Couvinian. Morocco

**RETIOCRINUS** Bigsby, 1868 = **RETEOCRINUS**

*Retiocrinus alveolatus* Miller and Gurley, 1894 = *Reteocrinus alveolatus*

**RETUSOCRINUS** Knapp, 1969. \**Plaxocrinus lobatus* Moore and Plummer, 1940.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Pirasocrinidae  
Knapp, 1969, p. 375, Fig. 2. Webster, 1977, p. 149. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T732. Pabian and Strimple, 1980a, p. 181. Webster,  
1986, p. 274.  
Named, currently recognized species based on cups or crowns: 2 Pennsylvanian  
species 1 Desmoinesian, 1 Missourian - Virgilian  
Pennsylvanian, Desmoinesian - Virgilian. United States

*Retusocrinus laxus* (Strimple, 1951). Knapp, 1969, p. 376. Webster, 1977, p. 149.  
*Plaxocrinus laxus* Strimple, 1951a, p. 205, Pls. 38, figs. 1-2; 39, figs. 1-2. Knapp,  
1969, p. 376. Webster, 1973, p. 216. Webster, 1977, p. 150. Pabian and  
Strimple, 1980a, p. 181, Fig. 5, nos. A-C. Pabian and Strimple, 1980b, p. 17, Pl.  
6, figs. 5-9. Webster, 1986, p. 274.  
Pennsylvanian, Missourian - Virgilian, Lake Bridgeport Shale; Deer Creek  
Formation, Ervine Creek Limestone Member; Cass Formation, Haskell  
Limestone Member; Iola Limestone Formation. United States, Texas, Kansas,  
Iowa, Nebraska

\**Retusocrinus lobatus* (Moore and Plummer, 1940). Knapp, 1969, p. 376, Fig. 35.  
Webster, 1977, p. 150. Moore and Strimple *in* Moore and Teichert, 1978, p.  
T732, Fig. 482, no. 3. Webster, 1986, p. 274.  
*Plaxocrinus lobatus* Moore and Plummer, 1940, p. 196, Pl. 9, fig. 1; Fig. 38. Bassler  
and Moodey, 1943, p. 633. Plummer, 1950, p. 97, Pl. 21, fig. 17. Heuer, 1958,  
p. 47, Pl. 5, fig. 17. Knapp, 1969, p. 376. Webster, 1973, p. 217. Webster, 1977,  
p. 150.  
Pennsylvanian, Desmoinesian, Mineral Wells Shale. United States, Texas

**REVALOCRINUS** Jaekel, 1918. \**R. costatus* Jaekel, 1918.  
Sbc. Hybocrinida, F. Hybocrinidae

Jaekel, 1918, p. 90. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 660. Moore and Laudon, 1943b, p. 32. Ubaghs, 1953, p. 749. Arendt and Hecker, 1964, p. 82. Webster, 1973, p. 230. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 275. Webster, 1993, p. 102. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Middle Ordovician species

Middle Ordovician. Estonia, near Tallin

\**Revalocrinus costatus* Jaekel, 1918, p. 90, Fig. 84. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 660. Arendt and Hecker, 1964, p. 82, Fig. 117. Webster, 1973, p. 230. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T572, Fig. 364, no. 3. Webster, 1986, p. 275.

Middle Ordovician, series not given. Estonia, Near Tallin

**RHABDOCRINUS** Wright, 1944. \**Poteriocrinus scotocarbonarius* Wright, 1937.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Poteriocrinidae  
Wright, J., 1944, p. 266. Webster, 1973, p. 230. Moore and Strimple *in* Moore and Teichert, 1978, p. T633. Burdick and Strimple, 1983a, p. 127. Webster, 1986, p. 275. Webster, 1988, p. 145. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 102. Donovan and Birtle, 2011, p. 169.

Named, currently recognized species based on cups or crowns: 5 Mississippian species, 3 Viséan, 1 Viséan – Serpukhovian, 1 Serpukhovian

Mississippian, Viséan. Russia

Mississippian, Viséan - Serpukhovian. Europe

Mississippian, Serpukhovian (Chesterian). United States

*Rhabdocrinus crassus* (Miller, 1821) = *Poteriocrinus crassus* = *Poteriocrinites crassus*

*Rhabdocrinus largus* Burdick and Strimple, 1983a, p. 128, Pl. 1, figs. 7, 10. Webster, 1988, p. 145.

Mississippian, Serpukhovian (Chesterian?), Monteagle Limestone. United States, Alabama

*Rhabdocrinus pentonensis* (Wright, 1937). Wright, J., 1944, p. 269. Wright, J., 1950, p. 16, Pl. 2, fig. 3. Webster, 1973, p. 230.

*Poteriocrinus pentonensis* Wright, J., 1937, p. 404, Pl. 14, fig. 6. Wright, J., 1939, p. 18, Pl. 9, fig. 15. Bassler and Moodey, 1943, p. 643. Wright, J., 1944, p. 269. Webster, 1973, p. 230.

*Poteriocrinites pentonensis* (Wright, 1937). Bassler and Moodey, 1943, p. 643.

Mississippian, Viséan, lower part of Limestone Group. United Kingdom, Scotland

\**Rhabdocrinus scotocarbonarius* (Wright, 1937). Wright, J., 1944, p. 267, Pls. 10, figs. 1-15; 11, figs. 1-3, 5, 8-14. Wright, J., 1950, p. 13, Pls. 2, figs. 1, 9, 18; 3, figs. 1-3, 5-6, 8-21; Figs. 2-4. Webster, 1973, p. 230. Moore and Strimple *in* Moore and Teichert, 1978, p. T633, Fig. 414, no. 2. Webster, 1986, p. 275. Webster and Maples, 2008, p. 201, fig. 10.1, no. 2.

*Poteriocrinus scotocarbonarius* Wright, J., 1937, p. 397, Pls. 13, figs. 10-12; 14, figs. 1-5; 15, figs. 10, 13; 16, Figs. 1, 3, 7; Figs. 7-9. Wright, J., 1939, p. 14, Pl. 9, figs. 12-14, 16-18; Figs. 7-9. Bassler and Moodey, 1943, p. 644. Wright, J., 1944, p. 269. Webster, 1973, p. 230.

*Poteriocrinites scotocarbonarius* (Wright, 1937). Bassler and Moodey, 1943, p. 644.

Mississippian, Viséan, lower part of Limestone Group, Seafield Tower Limestone; Villabellaco Limestone. United Kingdom, Scotland; Spain

*Rhabdocrinus scotocarbonarius* Morris, 1992 = *Balearocrinus cantabricus*

*Rhabdocrinus swaledalensis* Wright, J., 1950, p. 16, Pl. 1, figs. 1-3. Webster, 1973, p. 230.

Mississippian, Serpukhovian, *Woodocrinus* Limestone. United Kingdom

*Rhabdocrinus vatagini* Arendt, 1962, p. 118, Figs. 1-2. Arendt, 1963b, p. 1675, Figs. 1-2. Webster, 1973, p. 230. Arendt, 2002, p. 126, Pl. 6, figs. 1a-1f; Fig. 2, nos. g-i.

Mississippian, Viséan, Steshev Stratum. Russia, Tarusa

*Rhabdocrinus* sp. Strimple and Coney, 1982, p. 989, Pl. 2, figs. 6-7. Webster, 1988, p. 146.

Mississippian, Viséan (Chesterian), Newman Formation. United States, Tennessee

**RHACHICRINUS** Ausich, 1986b. \**R. wrighti* Ausich, 1986b.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Ausich, 1986b, p. 87. Webster, 1993, p. 103.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, late early Llandoveryan or middle Llandoveryan. United States

\**Rhachicrinus wrighti* Ausich, 1986b, p. 87, Figs. 2, nos. 1-4, 6-7, 12; 3. Webster, 1993, p. 103.

Silurian, late early Llandoveryan or middle Llandoveryan, Brassfield Formation.  
United States, Ohio

**RHADINOCRINUS** Jaekel, 1895. \**R. rhenanus* Jaekel, 1895.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F.  
Botryocrinidae

Jaekel, 1895a, p. 87. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 155. Springer *in* Zittel, 1913, p. 221. Haarmann, 1920, p. 28. Schmidt, W. E., 1934, p. 99. Bassler, 1938, p. 163. Bassler and Moodey, 1943, p. 660. Moore and Laudon, 1943b, p. 54. Ubaghs, 1953, p. 751. Arendt and Hecker, 1964, p. 86. Webster, 1973, p. 230. Moore and Lane *in* Moore and Teichert, 1978, p. T615. Webster, 1986, p. 275.

Named, currently recognized species based on cups or crowns: 4 Devonian species,

3 Emsian, 1 Givetian  
Early - Middle Devonian. Germany

*Rhadinocrinus dactylus* Schmidt, 1934 = *Iteacrinus dactylus*

*Rhadinocrinus minae* (Schmidt, 1906). Haarmann, 1921, p. 29, Pl. 3, figs. 2-3. Bassler and Moodey, 1943, p. 660.

**Note.** Authorship often incorrectly ascribed to Jaekel in Schmidt.

*Rhenocrinus minae* Schmidt, W. E., 1906, p. 546, Pl. 21, figs. 1-2; Figs. 3-4. Bassler and Moodey, 1943, p. 660.

Devonian, early Givetian, upper part of Honseler Beds. Germany

*Rhadinocrinus nanus* (Roemer, 1864). Schmidt, W. E., 1934, p. 100, Pls. 17, figs. 1-3; 20, fig. 3; 32, fig. 2; Figs. 23, nos. a-b; ?24. Bassler and Moodey, 1943, p. 660. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 400, no. 1a. Webster, 1986, p. 275. Südkamp, 1989a, p. 11, Fig. D-13. Südkamp, 1989b, p. 20, Fig. G-2.

*Poteriocrinus nanus* Roemer, C. F., 1864, p. 150, Pls. 25, fig. 9; 29, figs. 2-3 (*non* Pl. 26, fig. 7). Schmidt, W. E., 1942, p. 30. Bassler and Moodey, 1943, p. 660. Webster, 1973, p. 158.

*Iteacrinus nanus* (Roemer, 1864). Schmidt, W. E., 1942, p. 30. Webster, 1973, p. 158.

Devonian, early Emsian, Hunsrückschiefer. Germany

\**Rhadinocrinus rhenanus* Jaekel, 1895a, p. 88, Pl. 4, fig. 1. Bassler, 1938, p. 163. Schmidt, W. E., 1942, p. 152, Fig. 41. Bassler and Moodey, 1943, p. 660. Webster, 1973, p. 230. Moore and Lane *in* Moore and Teichert, 1978, p. T615, Fig. 400, no. 1b. Webster, 1986, p. 275. Breuer *et al.*, 1992, p. 64, Pl. 11, fig. 3.

Devonian, Emsian (late Coblenzian), Coblenz Quartzite. Germany

*Rhadinocrinus trifidus* Schmidt, W. E., 1942, p. 152, Pl. 12, figs. 1-3. Webster, 1973, p. 230.

Devonian, Emsian (late Coblenzian), Stadtfeld Schichten. Germany

*Rhadinocrinus* sp. indet. Schmidt, W. E., 1942, p. 154, Fig. 42. Webster, 1973, p. 230. Devonian, Coblenzian, Herdorf Schichten. Germany

*Rhadinocrinus* sp. Hess *in* Hess *et al.*, 1999 p. 114, Fig. 128.

Devonian, late Siegenian - early Emsian, Hünsruck Slate. Germany, Bundenbach

**RHAPHANOCRINUS** Wachsmuth and Springer, 1885. \**Glyptocrinus? subnodosus* Walcott, 1883.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Wachsmuth and Springer, 1885, p. 98 (320). Miller, S. A., 1889, p. 277.

Wachsmuth and Springer, 1897, p. 258. Bather *in* Lankester, 1900, p. 200.

Wachsmuth *in* Zittel, 1900, p. 145. Springer *in* Zittel, 1913, p. 187. Bassler,

1915, p. 1106. Bassler, 1938, p. 164. Bassler and Moodey, 1943, p. 660. Moore



and Laudon, 1943b, p. 82, Fig. 13. Moore and Laudon 1944, p. 183. Ubaghs, 1953, p. 736. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 230. Brower and Veinus, 1974, p. 98. Kolata, 1975, p. 47. Frest, Strimple, and Kelly, 1976, p. 145, Fig. 2. Webster, 1977, p. 150. Ubaghs *in* Moore and Teichert, 1978, p. T418. Donovan, 1985a, p. 125. Webster, 1986, p. 275. Webster, 1988, p. 146. Ausich, 1998b, p. 35.

*COELOCRINUS* Salter, 1866 (*non* Meek and Worthen, 1865), p. 473. Bassler, 1938, p. 70. Bassler and Moodey, 1943, p. 660.

Named, currently recognized species based on cups or crowns: 6 Ordovician species, 1 Middle Ordovician series undesignated, 3 Sandbian, 2 Katian Ordovician, Sandbian - Katian. North America  
Middle Ordovician. Estonia

*Rhaphanocrinus basalis* (M'Coy, 1850) = *Balacrinus basalis*

*Rhaphanocrinus buckleyi* Kolata, 1975, p. 48, Pl. 9, fig. 1.  
*Raphanocrinus buckleyi* Kolata, 1975. Webster, 1986, p. 275.  
Ordovician, Sandbian (Champlainian), Grand Detour Formation, upper part of Walgreen Member. United States, Illinois

*Rhaphanocrinus esthoniae* Jaekel, (unable to find original date of designation).  
Arendt and Hecker, 1964, p. 95, Pl. 14, fig. 11. Webster, 1973, p. 230.  
Middle Ordovician, series not given. Estonia

*Rhaphanocrinus gemmeus* Hudson, 1905, p. 280, Pl. 2, figs. 1-5: Fig. 6. Bassler, 1915, p. 1106. Bassler and Moodey, 1943, p. 661.  
Ordovician, Sandbian (early Champlainian), Valcour Limestone. United States, New York

*Rhaphanocrinus sculptus* (Miller, 1882). Wachsmuth and Springer, 1897, p. 260, Pl. 10, fig. 3. Bassler, 1915, p. 1106. Bassler and Moodey, 1943, p. 661. Moore and Laudon, 1944, p. 183, Pl. 72, fig. 23. Webster, 1973, p. 230. Ubaghs *in* Moore and Teichert, 1978, p. T418, Fig. 228, no. 1b. Webster, 1986, p. 275.  
*Glyptocrinus sculptus* Miller, S. A., 1882a, p. 37, Pl. 1, fig. 2. Miller, S. A., 1883b, p. 224, Pl. 1, fig. 2. Miller, S. A., 1889, p. 248. ?James, 1897, p. 116, description, unfig. Bassler, 1915, p. 1106. Bassler and Moodey, 1943, p. 661.  
Ordovician, Katian (Cincinnati), Waynesville Limestone, Blanchester Beds. United States, Ohio

*Rhaphanocrinus simplex* Brower and Veinus, 1974, p. 99, Pl. 1, fig. 1. Webster, 1986, p. 276.  
Ordovician, Sandbian (Champlainian), Benbolt Formation, Lincolnshire Formation, Hogskin Member. United States, Tennessee

\**Rhaphanocrinus subnodosus* (Walcott, 1883). Wachsmuth and Springer, 1885, p. 98 (320). Miller, S. A., 1889, p. 277. Wachsmuth and Springer, 1897, p. 259, Pl.

- 11, fig. 2. Bassler, 1915, p. 1106. Bassler and Moodey, 1943, p. 661. Ubaghs *in* Moore and Teichert, 1978, p. T418, Fig. 228, no. 1a. Webster, 1986, p. 276. Brower, 2010, p. 629, Figs. 1-3.
- Glyptocrinus? subnodosus* Walcott, 1883 (adv. pub.). Walcott, 1884, p. 208, Pl. 17, fig. 3. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1106. Bassler, 1938, p. 164. Bassler and Moodey, 1943, p. 661.
- Ordovician, Katian (late Champlainian), upper part of Trenton Limestone, Rust Limestone, Spillway Member. United States, New York
- Rhaphanocrinus? wachsmuthi* Oehlert, 1887 = *Griphocrinus wachsmuthi* = *Neoarchaeocrinus wachsmuthi*
- Rhenocrinidae *gen. et sp. nov.* Webster, 1990, p. 63, Pl. 2, figs. 6-7. Webster, 1993, p. 103.  
Permian, Artinskian, Wandagee Formation. Australia, Western Australia
- Rhenocrinidae sp. 1 Webster and Lane, 1987, p. 47, Fig. 10, nos. 7-9. Webster, 1993, p. 103.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada
- Rhenocrinidae sp. 2 Webster and Lane, 1987, p. 47, Fig. 10, nos. 20-21. Webster, 1993, p. 103.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada
- Rhenocrinidae?, n. gen., n. sp. undesignated Webster, 1997, p. 21, Pl. 3, fig. 5.  
Mississippian, middle Tournaisian, Chinese Wall Member, Henderson Canyon Formation. United States, Utah
- Rhenocrinoid Hou, *et al.*, 1994 = *Bridgerocrinus minutus* = *Sostronocrinus minutus*
- RHENOCRINUS** Jaekel, 1906. \**R. ramosissimus* Jaekel, 1906.  
Subc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Rhenocrinoidea, F. Rhenocrinidae  
Jaekel *in* Schmidt, W. E., 1906, p. 544. Jaekel, 1918, p. 59. Haarmann, 1921, p. 35. Schmidt, W. E., 1934, p. 108. Bassler, 1938, p. 164. Bassler and Moodey, 1943, p. 661. Moore and Laudon, 1943b, p. 54. Kutscher and Sieverts-Doreck, 1973, p. 11. Webster, 1973, p. 231. Webster, 1977, p. 150. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T636. Webster, 1986, p. 276.
- Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species  
Devonian, early Emsian. Germany
- Rhenocrinus lobatus* Kutscher and Sieverts-Doreck, 1973, p. 11, Pl. 1, figs. 1-3; Fig. 1. Webster, 1977, p. 150. Kutscher, 1977, p. 48. Webster, 1986, p. 276.  
Devonian, early Emsian, Hunsrückschiefer. Germany

*Rhenocrinus minae* Schmidt, 1906 = *Rhadinocrinus minae*

\**Rhenocrinus ramoisissimus* Jaekel in Schmidt, W. E., 1906, p. 544. Haarmann, 1921, p. 36, Pls. 4, fig. 1; 5, figs. 1-2; Fig. 7. Opitz, 1932, p. 96, Figs. 93, 97. Schmidt, W. E., 1934, p. 108, 142, Pl. 32, fig. 1. Bassler, 1938, p. 164. Wanner, 1943, Unnum. fig. p. 27. Bassler and Moodey, 1943, p. 661. Moore and Jeffords, 1968, p. 11, Fig. 1, no. 8. Webster, 1973, p. 231. Webster, 1977, p. 150. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T636, Fig. 415, no. 2. Webster, 1986, p. 276. Bartels and Brassel, 1990, p. 172, Fig. 157. Bartels, Briggs, and Brassel, 1998, p. 192, Fig. 169.

*Rhenocrinus ramosus* Jaekel, 1906. Jaekel, 1918, p. 59, Fig. 51. Abel, 1920, p. 258, Fig. 401. Abel, 1924, p. 271, Fig. 401. Cuénot, 1948, p. 47, Fig. 61. Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Rhenocrinus ramosus* Jaekel, 1906 = *Rhenocrinus ramoisissimus*

*Rhenocrinus winterfeldi* Schmidt, 1906 = *Schmidtocrinus winterfeldi*

**RHEOCRINUS** Haugh, 1979. \**R. aduncus* Haugh, 1979.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthracocrinidae  
Haugh, 1979, p. 6. Webster, 1986, p. 276. Webster, 1993, p. 103.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Ashgillian). Canada, Ontario

\**Rheocrinus aduncus* Haugh, 1979, p. 7, Figs. 5, nos. A-I; 6, nos. E, G-J; 7, nos. A-E; 8, nos. A-E, G-J; 9, nos. A-B; 10, nos. A-C. Webster, 1986, p. 276. Broadhead, 1987, p. 183. Webster, 1993, p. 103.

Ordovician, Katian (Ashgillian), Georgian Bay Formation. Canada, Ontario

**RHEPOCATILLOCRINUS** Webster et al., 2009a. \**Rhepocatillocrinus tianshanensis*  
Webster et al., 2009a.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae  
Webster et al., 2009a, p. 45.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Moscovian species

Pennsylvanian, Moscovian. China

\**Rhepocatillocrinus tianshanensis* Webster et al., 2009a, p. 47, Fig. 2, nos. S-T.

*Paracatillocrinus* sp. Lane, et al., 1996, p. 123, Figs. 5.10, 6.5-6.5, 6.8-6.9. Webster et al., 2009a, p. 47.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang-Uygur Autonomous Region

Rhodocrinitid nov. gen. et nov. sp. Torres, Gil Cid, and Domínguez, 1999 =  
*Ortsaecrinus cocae*

**RHIPIDOCRINUS** Beyrich in Zittel, 1879. \**Rhodocrinites crenatus* Goldfuss, 1831.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
 Zittel (Beyrich Ms), 1880, p. 345, 376. Steinmann and Döderlein, 1890, p. 154,  
 158. Lahusen, 1895, p. 151. Zittel, 1895, p. 131. Koken, 1896, p. 284. Bather  
*in* Lankester, 1900, p. 201. Wachsmuth *in* Zittel, 1900, p. 146. Steinmann, 1903,  
 p. 178. Delage and Herouard, 1903, p. 385. Steinmann, 1907, p. 199. Steinman,  
 1908, p. 154, Figs. 81, 84. Springer *in* Zittel, 1913, p. 189. Bassler, 1938, p. 164.  
 Bassler and Moodey, 1943, p. 661. Moore and Laudon, 1943b, p. 83. Ubaghs,  
 1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 231. Webster,  
 1977, p. 150. Ubaghs *in* Moore and Teichert, 1978, p. T430. Cowen, 1981, p.  
 339. Webster, 1986, p. 276. Jell *et al.*, 1988, p. 362. Webster, 1988, p. 146.  
 Webster, 1993, p. 103. Hauser, 1997, p. 128, Fig. 39. Hauser, 2001, p. 60, Fig.  
 42. Lane, Maples, and Waters, 2001b, p. 236.

*RHIPIDOCRINUS* Wachsmuth and Springer, 1881, p. 205 (321). Bassler, 1938, p.  
 165.

Named, currently recognized species based on cups or crowns: 7 Devonian species,  
 4 subspecies, 1 Early Devonian series undesignated, 1 Lochkovian, 1 Eifelian  
 (+4 subspecies), 1 Eifelian – Givetian, 3 Givetian, 1 Famennian

Devonian, Lochkovian. Australia

Devonian, Early Devonian series not designated, Eifelian - Famennian. Germany,  
 United Kingdom, France

*Rhipidocrinus aculeatus* (Schultze, 1866). Hauser, 2001, p. 22, 60, Pl. 11, fig. 2; Fig.  
 43.

Devonian, Givetian, Lough Formation. Germany

*Rhipidocrinus alpinus* Charlesworth, 1914, p. 343, Pl. 29, fig. 3; Fig. 5.

Devonian, Givetian, Riffkalkes. Germany, Eastern Alps

\**Rhipidocrinus crenatus* (Goldfuss, 1831). Zittel, 1880, p. 376, Fig. 263, nos. a-e.  
 Steinmann and Döderlein, 1890, p. 159, Fig. 159, nos. A-B. Lahusen, 1895, p.  
 152, Fig. 206, nos. a-b. Whidborne, 1895, p. 203, Pl. 23, difa. 8-8a. Zittel, 1895,  
 p. 131, Fig. 250, nos. A-E. Wachsmuth *in* Zittel, 1900, p. 146, Fig. 248, nos. A-E.  
 Steinmann, 1903, p. 178, Fig. 247, nos. A-B. Steinmann, 1907, p. 199, Fig. 282,  
 nos. A-B. Steinmann, 1908, p. 154, Fig. 80, nos. A-B. Gürich, 1909, p. 109, Pl.  
 33, figs. 7a-7c. Springer *in* Zittel, 1913, p. 188, Fig. 286. Bassler and Moodey,  
 1943, p. 661. Firtion, 1957, p. 165, Fig. 11, no. 1. Breimer, 1960, p. 256, Fig. 5.  
 Webster, 1973, p. 231. Webster, 1977, p. 150. Ubaghs *in* Moore and Teichert,  
 1978, p. T103, T430, Figs. 76, nos. 4-7; 239, no. 1. Webster, 1986, p. 276. Jell  
*et*  
*al.*, 1988, p. 362, Figs. 4a, nos. F-L; 6, no. A. Webster, 1993, p. 103. Hauser,  
 1997, p. 128, Pls. 65, figs. 5-7; 66, figs. 1, 4-6; 67, figs. 1, 4-5; 74, fig. 1 (Also  
 lists Pl. 77, fig. 3, but there is no Pl. 77). Hauser, 2001, p. 22, 60, Pls. 11, figs. 3-  
 4a; 27, fig. 8; Figs. 44-46.

*Rhodocrinites crenatus* Goldfuss, 1831, p. 212, Pl. 64, figs. 3a-3b. Quenstedt,  
 1852, p. 620, Pl. 54, figs. 29-31. Steininger, 1853, p. 36. Quenstedt, 1861, p.  
 326, Unnum. Fig. Quenstedt, 1885, p. 958, Pl. 77, fig. 12; Fig. 363. Bassler,  
 1938, p. 164. Bassler and Moodey, 1943, p. 661.

*Rhodocrinus crenatus* (Goldfuss, 1831). Bronn, 1848, p. 1086. d'Orbigny, 1850, p. 104. Roemer, C. F. in Bronn and Roemer, 1851, p. 358, Pl. 7, figs. 1a-1c. Roemer, C. F. in Bronn and Roemer, 1852-1854, p. 241, Pl. 4, Figs. 17a-17b. Pictet, 1857, p. 315, Pl. 100, fig. 10. Dujardin and Hupé, 1862, p. 125. Schultze, 1866 (adv. pub.). Schultze, 1867, p. 165, Pl. 7, figs. 1a-1n. Bassler and Moodey, 1943, p. 661.

*Rhodocrinus tessellatus* Steininger, 1853. Hauser, 2001, p. 62.  
Devonian, late Eifelian - Givetian, Lough Formation, ?Rech Member, Hustley Member. Germany, United Kingdom, France  
Devonian, early Givetian, Papilio Formation. Australia, Queensland

?*Rhipidocrinus* cf. *crenatus* (Goldfuss, 1831). Péneau, 1932, p. 14. (Partial set of arms)  
Devonian, Eifelian. France

*Rhipidocrinus crenatus aculeatus* (Schultze, 1866). Bassler and Moodey, 1943, p. 662.

*Rhodocrinus crenatus* var. *aculeatus* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 168, Pl. 7, fig. 11. Bassler and Moodey, 1943, p. 662.  
Devonian, Eifelian. Germany

*Rhipidocrinus crenatus* aff. *aculeata* (Schultze, 1866). Hauser, 1997, p. 130, Pls. 66, fig. 2; 67, figs. 2-3. (Given as *R. aculeata* p. 130)  
Devonian, Givetian, Lough Formation. Germany

*Rhipidocrinus crenatus bursiformis* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 662.

*Rhodocrinites crenatus* var. *bursiformis* Quenstedt, 1876, p. 608, Pl. 111, figs. 18-19. Bassler and Moodey, 1943, p. 662.  
Devonian, Eifelian. Germany

*Rhipidocrinus crenatus crenatus* (Goldfuss, 1831). Bohatř, et al., 2012, p. 394, Fig. 14 (diagrammatic)

*Rhipidocrinus crenatus reticularis* (Schultze, 1866). Bassler and Moodey, 1943, p. 662. Hauser, 2001, p. 13, Fig. 12. no. 1e.

*Rhodocrinus crenatus* var. *reticularis* Schultze, 1866 (adv. pub.). Schultze, 1867, Pl. 7, fig. 1e. Bassler and Moodey, 1943, p. 662.  
Devonian, Eifelian. Germany

*Rhipidocrinus crenatus* aff. *reticularis* (Schultze, 1866). Hauser, 1997, p. 129, Pl. 66, figs. 2-3.  
Devonian, Givetian, ?Lough Formation. Germany

*Rhipidocrinus crenatus reticulatus* (Quenstedt, 1876). Bassler and Moodey, 1943, p. 662.

*Rhodocrinites crenatus* var. *reticulatus* Quenstedt, 1876 (non Schultze, 1866), p. 606, Pl. 111. fig. 14. Bassler and Moodey, 1943, p. 662.

Devonian, Eifelian. Germany

*Rhipidocrinus gonatodes* Müller, 1855 = *Diamenocrinus gonatodes*

*Rhipidocrinus perloricatus* Schmidt, 1906, p. 543, Pl. 22, figs. 5a-5b. Bassler and Moodey, 1943, p. 662.

**Note.** Authorship incorrectly ascribed to Jaekel by Bassler and Moodey. Early Devonian, upper part of Lenneschiefer. Germany

*Rhipidocrinus* spec. cf. *R. perloricatus* Schmidt, 1906. Breimer, 1960, p. 248, Pl. 1, figs. 1-2; Figs. 1-4. Webster, 1973, p. 231. Ubaghs in Moore and Teichert, 1978, p. T144, T431, Figs. 116, no. 1; 239, no. 1h. Webster, 1986, p. 276.

Devonian, Givetian, Fleringer Schichten. Germany

*Rhipidocrinus praecursor* Frech msc in Charlesworth, 1914, p. 341, Pl. 29, fig. 4; Fig. 4. Devonian, Givetian, Riffkalkes. Germany, Eastern Alps

*Rhipidocrinus quinquelobatus* Firtion, 1957, p. 165, Fig. 11, no. 2. Webster, 1977, p. 150. (Probably in error for *Rhodocrinites quinquelobatus*. GDW)

Devonian, Eifelian. France

*Rhipidocrinus (Rhodocrinus)* sp. Firtion, 1957, p. 164, Pl. 10, figs. 21-22. Webster, 1977, p. 150.

Devonian. France

*Rhipidocrinus schmidti* Lane, Maples, and Waters, 2001b, p. 238, Figs. 2, nos. A-B; 3, nos. A-D; 4, nos. A-E.

*Rhodocrinus uniarticulatus* de Koninck and Le Hon, Schmidt, 1930. Lane, Maples, and Waters, 2001b, p. 238.

Devonian, Famennian, Etroeungt. Germany

*Rhipidocrinus?* sp. Jell *et al.*, 1988, p. 363, Figs. 4, nos. C-E, 6, no. B. Webster, 1993, p. 103.

Devonian, early Givetian, Papilio Formation. Australia, Queensland

*Rhipidocrinus* sp. Steinmann, 1908, p. 154, Figs. 80, nos. A-B; 81; 84.

Devonian, Eifelian

Rhodocrinid-like crinoid Bartels, Briggs, and Brassel, 1998, p. 195, Fig. 173.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Rhodocrinidae similar to *Archaeocrinus depressus* Springer, 1919b, p. 81.

Silurian, Brassfield Formation. United States, Ohio

Rhodocrinitacid species A Guensburg, 1984, p. 38, Pl. 6, figs. 8-9. Webster, 1988, p. 146.

Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

Rhodocrinitid gen. nov. Webster and Jell, 1999a, p. 239, Fig. 1, no. F.  
Mississippian, ?Tournaisian, ?Namoi Formation. Australia, New South Wales,  
locality unknown

Rhodocrinitid? indet. Webster, 1997, p. 9, Pl. 8, fig. 7B.  
Mississippian, late Tournaisian, Gardison Formation. United States, Utah

**RHODOCRINITES** Miller, 1821. \**R. verus* Miller, 1821.

Sbc, Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Miller, J. S., 1821, p. 15, 106. Fleming, 1828, p. 495. Bronn, 1825, p. 8. Goldfuss,  
1831, p. 198. Fischer de Waldheim, 1834, p. 322. de Blainville, 1834, p. 261,  
Pl. 29, fig. 3 (listed as Rhodocrinite vrai on plate explanation). Bronn, 1837, p.  
59. Austin and Austin, 1843, p. 201. Bronn, 1848, p. 1086. Quenstedt, 1885, p.  
958. Bassler and Moodey, 1943, p. 662. Moore and Laudon, 1943b, p. 83.

Moore

and Laudon, 1944, p. 185, Pl. 70, fig. 8. Ubaghs, 1953, p. 736, Fig. 139, no. b.  
Philip, 1963, Fig. 5, no. c. Arendt and Hecker, 1964, p. 95. Webster, 1973, p.  
231. Webster, 1977, p. 150. Ubaghs *in* Moore and Teichert, 1978, p. T110,  
T127,

T420, Figs. 83, no. 2; 99, no. 1. Webster, 1986, p. 276. Lane and Sevastopulo,  
1987, p. 199. Webster, 1988, p. 146. Chen and Yao, 1993, p. 16, Fig. 3.  
Webster, 1993, p. 103. Webster, 1997, p. 9. Hauser, 1997, p. 132, Fig. 40.  
Hauser, 2001, p. 65, Figs. 47-48, 49b. Ausich and Sevastopulo, 2001, p. 20.  
Webster, Waters, and Chen, 2009, p. 129.

**RHODOCRINUS** Agassiz, 1835, p. 196. Bronn, 1848, p. 1086. d'Orbigny, 1849-  
51, p. 143. d'Orbigny, 1850, p. 47, 104. Roemer, C. F. *in* Bronn and Roemer,  
1851, p. 240. de Koninck and Le Hon, 1854, p. 103. Sandberger and  
Sandberger, 1856, p. 390. Burmeister, 1856, p. 244. Pictet, 1857, p. 314.

Billings,

E., 1859a, p. 26. Eichwald, 1860, p. 598. Dujardin and Hupé, 1862, p. 122.  
Shumard, 1868, p. 394. Bigsby, 1868, p. 23, 196. Zittel, 1880, p. 345, 376.  
Wachsmuth and Springer, 1881, p. 209 (383). Miller, S. A., 1889, p. 277, Fig.  
417. Zittel, 1895, p. 131. Koken, 1896, p. 284. Wachsmuth *in* Zittel, 1900, p. 145.  
Wachsmuth and Springer, 1897, p. 218, 236. Bather *in* Lankester, 1900, p. 201.  
Grabau and Shimer, 1910, p. 549. Springer *in* Zittel, 1913, p. 188. Ehrenberg,  
1922c, p. 276. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p. 662.

Termier

and Termier, 1947, p. 255, Pl. 19, fig. 48. Webster, 1973, p. 231.  
Named, currently recognized species based on cups or crowns: 40 species, 8  
subspecies. 4 Devonian, 1 Pragian, 1 Emsian, 2 Eifelian; 36 Mississippian, 26  
Tournaisian, (+6 subspecies), 2 Tournaisian – Viséan, 7 Viséan (+2 subspecies)  
1 Serpukhovian

Devonian, Siegenian; Mississippian, Tournaisian – Viséan (Kinderhookian –  
Osagean). North America

Early Devonian. Western Sahara

Middle Devonian. Germany, Russia

Mississippian, Tournaisian - Viséan. Europe, Asiatic Russia, China

Mississippian, Viséan. Morocco

*Rhodocrinites baccatus* (Wright, 1937) = *Cribanocrinus baccatus*

*Rhodocrinites abnormis* (M'Coy, 1844). Bassler and Moodey, 1943, p. 662.

*Rhodocrinus (Gilbertsocrinus) abnormis* M'Coy, 1844, p. 180, Pl. 26, fig. 3. Bassler and Moodey, 1943, p. 662.

*Gilbertsocrinus abnormis* (M'Coy, 1844). d'Orbigny, 1850, p. 155. Bassler and Moodey, 1943, p. 486.

Mississippian, Tournaisian, Mountain Limestone: Ireland

*Rhodocrinites baoshanensis* (Chen and Yao, 1993). Webster, Waters, and Chen, 2009, p. 132, Fig. 4, no. g.

*Cribanocrinus baoshanensis* Chen and Yao, 1993, p. 22, Pl. 2, figs. 5-11; Fig. 6, nos. a-c. Webster, Waters, and Chen, 2009, p. 133.

Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Rhodocrinites barrisi* (Hall, 1861). Bassler and Moodey, 1943, p. 662.

*Rhodocrinus barrisi* Hall, 1861a, p. 322. Hall, 1861b, p. 9. Hall, 1861c, p. 322.

Shumard, 1868, p. 394. Hall, 1872c, Pl. 6, figs. 16-17. Miller, S. A., 1889, p. 277.

Weller, S., 1898c, p. 526. Bassler and Moodey, 1943, p. 662.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Rhodocrinites barrisi divergens* (Hall, 1861). Bassler and Moodey, 1943, p. 662. Moore and Laudon, 1943b, p. 138, Pl. 9, fig. 8. Moore and Laudon, 1944, p. 185, Pl. 73, fig. 7. Webster, 1973, p. 231. Lee, Ausich, and Kammer, 2005, p. 340.

Miller et al., 2008, p. 262, Fig. 12.10, no. 17.

*Rhodocrinus barrisi* var. *divergens* Hall, 1861a, p. 324. Hall, . Hall, p. 9; 1861c, p.

324. Shumard, 1868, p. 394. Hall, 1872c, Pl. 6, fig. 18. Wachsmuth and

Springer, 1897, p. 230, Pl. 12, figs. 3-5b. Weller, S., 1898c, p. 526. Bassler and

Moodey, 1943, p. 662.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone, Reeds Spring Formation, Lake Valley Limestone; Nada Member, Borden Formation; Weaubleau Breccia. United States, Iowa, Missouri, Illinois, New Mexico

*Rhodocrinites barrisi striatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 663.

*Rhodocrinus barrisi* var. *striatus* Wachsmuth and Springer, 1897, p. 231, Pl. 12, fig.

6. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 526. Bassler and Moodey,

1943, p. 663.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Rhodocrinites beanei* Strimple and Boyt, 1965, p. 223, Figs. 1-2. Priest, 1967, Unnum.

Fig. p. 411. Priest, 1973, p. 74, Fig. 12. Webster, 1973, p. 231. Webster, 1977,

p.

150.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States,



Iowa

*Rhodocrinites benedicti* (Miller, 1892) = *Cribanocrinus benedicti*

*Rhodocrinites blairi* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 663.

*Rhodocrinus blairi* Miller and Gurley, 1896b, p. 37, Pl. 2, figs. 20-23. Miller, S. A., 1897, p. 752, Fig. 1391. Weller, S., 1898c, p. 526. Peck and Keyte, 1938, p. 74, Pl. 28, figs. 11-14. Bassler and Moodey, 1943, p. 663.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Rhodocrinites bozemanensis* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 663.

*Rhodocrinus bozemanensis* Miller and Gurley, 1897, p. 40, Pl. 3, fig. 2. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 526. Bassler and Moodey, 1943, p. 663.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana

*Rhodocrinites brewsteri* Laudon, Parks, and Spreng, 1952, p. 561, Pls. 67, figs. 1-6; 69, fig. 12. Webster, 1973, p. 231.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Rhodocrinites bridgerensis* (Miller and Gurley, 1897) = *Cribanocrinus bridgerensis*

*Rhodocrinites caelatus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 663.

*Rhodocrinus caelatus* Miller and Gurley, 1890b, p. 43, Pl. 7, fig. 10. Miller and Gurley, 1891, p. 360, Pl. 7, fig. 10. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 527. Bassler and Moodey, 1943, p. 663.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Rhodocrinites cavanaughi* (Laudon, 1933). Bassler and Moodey, 1943, p. 663. Moore

and Laudon, 1944, p. 185, Pl. 73, fig. 10. Priest, 1966, Unnum. Fig. p. 816.

Jacobson, 1970, p. 230, Pl. 3, fig. 6 (typographical error as *Rhodocrinetes*).

Webster, 1973, p. 231. Webster, 1977, p. 150.

*Rhodocrinus cavanaughi* Laudon, 1933, p. 39, Pl. 1, figs. 4-6. Bassler and Moodey, 1943, p. 663.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Limestone. United States, Iowa

*Rhodocrinites cirrusi* Laudon, Parks, and Spreng, 1952, p. 563, Pls. 67, figs. 8-9; 69, fig. 14. Laudon and Severson, 1953, p. 524, Pl. 52, figs. 3-5. Webster, 1973, p. 231.

Mississippian, Tournaisian (Kinderhookian), Banff Formation, Lodgepole Limestone. Canada, Alberta; United States, Montana

*Rhodocrinites costatus* Austin and Austin, 1842, p. 109. Austin and Austin, 1843, p. 203. Bassler and Moodey, 1943, p. 663.

*Rhodocrinus costatus* (Austin and Austin, 1842). Bronn, 1848, p. 1086.  
Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Ireland

*Rhodocrinites coxanus* (Worthen, 1882) = *Cribanocrinus coxanus*

*Rhodocrinites crenatus* Goldfuss, 1831 = *Rhipidocrinus crenatus*

*Rhodocrinites crenatus* var. *bursiformis* Quenstedt, 1876 = *Rhipidocrinus crenatus*  
*bursiformis*

*Rhodocrinites crenatus* var. *reticulatus* Quenstedt, 1876 = *Rhipidocrinus crenatus*  
*reticulatus*

*Rhodocrinites douglassi* (Miller and Gurley, 1897). Bassler and Moodey, 1943, p. 663.  
Rose, 1967, p. 140, Pl. 17, fig. 4. Jacobson, 1970, p. 230, Pl. 1, fig. 3. Webster,  
1977, p. 151. Wolf, 1983, p. 170, Pl. 23, fig. 6.

*Rhodocrinus douglassi* Miller and Gurley, 1897, p. 39, Pl. 3, fig. 1. Miller, S. A.,  
1897, p. 752. Weller, S., 1898c, p. 527. Laudon, 1933, p. 41, Pl. 1, figs. 10-11.  
Bassler and Moodey, 1943, p. 663. Laudon and Severson, 1953, p. 524, Pl. 52,  
figs. 13-19. Webster, 1973, p. 231.

*Rhodocrinites douglassi* (Miller and Gurley, 1897). Gahn, 1995, p. 112, Fig. 2, no.  
1.

Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone; Gilmore City  
Formation. United States, Montana, Iowa, Idaho

*Rhodocrinites douglassi constrictus* (Laudon, 1933). Bassler and Moodey, 1943, p.  
663.

*Rhodocrinus douglassi* var. *constrictus* Laudon, 1933, p. 45, Pl. 2, figs. 1-2.  
Bassler and Moodey, 1943, p. 663.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States,  
Iowa

*Rhodocrinites douglassi excavatus* (Laudon, 1933). Bassler and Moodey, 1943, p.  
664.

*Rhodocrinus douglassi* var. *excavatus* Laudon, 1933, p. 46, Pl. 1, fig. 15. Bassler  
and Moodey, 1943, p. 664.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States,  
Iowa

*Rhodocrinites douglassi haploformis* (Laudon and Beane, 1937). Bassler and  
Moodey, 1943, p. 664.

*Rhodocrinus douglassi* var. *haploformis* Laudon and Beane, 1937, p. 242, Pl. 15,  
fig. 12. Bassler and Moodey, 1943, p. 664.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States,  
Iowa

*Rhodocrinites douglassi multidactylus* (Laudon, 1933). Bassler and Moodey, 1943, p.  
664.

- Rhodocrinus douglassi* var. *multidactylus* Laudon, 1933, p. 44, Pl. 1, figs. 12-14.  
Bassler and Moodey, 1943, p. 664.  
Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States,  
Iowa
- Rhodocrinites douglassi serpens* (Laudon, 1933). Bassler and Moodey, 1943, p. 664.  
Moore and Laudon, 1944, p. 185, Pl. 73, fig. 9. Webster, 1973, p. 231.  
*Rhodocrinus douglassi* var. *serpens* Laudon, 1933, p. 42, Pl. 1, figs. 7-9. Bassler  
and Moodey, 1943, p. 664. Laudon, 1973b, p. 27, Fig. 1. Webster, 1977, p.  
151.  
Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States,  
Iowa
- Rhodocrinites excavatus* (Chen and Yao, 1993). Webster, Waters, and Chen, 2009, p.  
131, Fig. 4, nos. e-h.  
*Cribanocrinus excavatus* Chen and Yao, 1993, p. 21, Pls. 2, fig. 12; 14, figs. 1-2; 15,  
figs. 3-4, 16, fig. 6. Webster, Waters, and Chen, 2009, p. 131.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Rhodocrinites exquisitus* Chen and Yao, 1993, p. 18, Pls. 1, figs. 7-10; 15, figs. 5-7.  
Webster, Waters, and Chen, 2009, p. 129, Fig. 4, nos. m-p.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Rhodocrinites fortis* Chen and Yao, 1993, p. 17, Pls. 1, figs. 2-4; 15, fig. 8; Fig. 4, nos.  
a-b. Webster, Waters, and Chen, 2009, p. 131, Fig. 4, nos. r-t.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Rhodocrinites granulatus* Austin and Austin, 1842, p. 109. Austin and Austin, 1843, p.  
203. Bassler and Moodey, 1943, p. 664. Ausich and Sevastopulo, 2001, p. 22,  
Pl.  
1, figs. 9-11.  
*Rhodocrinus granulatus* (Austin and Austin, 1842). Bronn, 1848, p. 1086.  
Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland
- Rhodocrinites? granulatus* Austin and Austin in Wright, J., 1958, p. 313, Pl. 76, fig. 11;  
Appendix, Pl. B, fig. 9. Webster, 1973, p. 231.  
Mississippian, Tournaisian. Ireland
- Rhodocrinites insculptus* (Goldring, 1935) = *Griphocrinus insculptus*
- Rhodocrinites intermedius* (Chen and Yao, 1993). Webster, Waters, and Chen, 2009, p.  
131, Fig. 5, nos. j-l.  
*Cribanocrinus intermedius* Chen and Yao, 1993, p. 20, Pl. 2, figs. 1-4. Webster,  
Waters, and Chen, 2009, p. 131.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Rhodocrinites kirbyi* (Wachsmuth and Springer, 1889). Bassler and Moodey, 1943, p.  
664. Moore and Laudon, 1944, p. 185, Pl. 73, fig. 12. Boyt, 1962, Unnum. Figs.

- p. 11, 25. Laudon, 1973b, p. 27, Fig. 1. Webster, 1973, p. 232. Webster, 1977, p. 150. Ubaghs *in* Moore and Teichert, 1978, p. T421, Fig. 231, nos. 1c-1e. Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1986, p. 277. Webster, 1988, p. 146. Gil *et al.*, 1999, p. 862, Fig. 1, no. d. Torres, Gil Cid, and Domínguez, 1999, p. 195, Fig. 1. Simms *in* Hess *et al.*, 1999 p. 32, Fig. 55, nos. a-b. Ausich *in* Hess *et al.*, 1999 p. 135, Figs. 142, no. A; 143, no. A. Baumiller and Gahn, 2003, p. 271, Fig. 1, nos. B-D. Gahn and Baumiller, 2004, p. 19, Fig. 3, no. A. Gahn and Baumiller, 2005, p. 154, Figs. 1, unnumbered; 3, no. C. O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, nos. 11, 18, 24. Baumiller and Gahn, 2012, p.47, Fig. 6.
- Rhodocrinus kirbyi* Wachsmuth and Springer *in* Miller, S. A., 1889, p. 277. Wachsmuth and Springer *in* Miller, S. A., 1890a, p. 180, Pls. 15, fig. 10; 16, fig. 3. Wachsmuth and Springer *in* Miller, S. A., 1897, p. 226, Pl. 12, figs. 1a-1d. Weller, S., 1898c, p. 527. Laudon and Beane, 1937, p. 240, Pl. 15, fig. 7. Bassler and Moodey, 1943, p. 664. Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Maynes Creek Member; Wassonville Cycle. United States, Iowa
- Rhodocrinites macrotumidus* Laudon and Severson, 1953, p. 524, Pls. 52, figs. 9-12; 55, figs. 17-18. Webster, 1973, p. 232. Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana
- Rhodocrinites* sp. cf. *R. macrotumidus* Laudon and Severson, 1953. Webster, 1997, p. 9, Pl. 1, figs. 4-6, 14A. Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah
- Rhodocrinites? mutabilis* Austin and Austin, 1842, p. 109 (*nomen nudum*). Bassler and Moodey, 1943, p. 664. Ausich and Kammer, 2006, p. 101 (considered *numen nudum*). Mississippian
- Rhodocrinites nanus* (Meek and Worthen, 1866). Bassler and Moodey, 1943, p. 664. Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1988, p. 146. Gahn and Baumiller, 2005, p. 155, Fig. 1, no. Rn. *Rhodocrinus nanus* Meek and Worthen, 1866b, p. 254. Meek and Worthen, 1868c, p. 476, Pl. 18, figs. 2a-2b; Unnum. Fig. Miller, S. A., 1889, p. 277, Figs. 418-419. Wachsmuth and Springer, 1890a, p. 182, Pls. 16, fig. 4; 17, fig. 15. Miller, S. A., 1892a, p. 681. Wachsmuth and Springer, 1897, p. 228, Pls. 11, figs. 7a-7b; 12, fig. 2a (*non* 2b). Weller, S., 1898c, p. 527. Laudon and Beane, 1937, p. 240, Pl. 15, figs. 4-5. Bassler and Moodey, 1943, p. 664. Südkamp, 1992, p. 181, unnumbered fig. 4. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Hampton

Formation, Le Grande Beds, lower part of Burlington Limestone. United States, Iowa

*Rhodocrinites nanus glyptoformis* (Laudon and Beane, 1937). Bassler and Moodey, 1943, p. 664.

*Rhodocrinus nanus* var. *glyptoformis* Laudon and Beane, 1937, p. 241, Pl. 15, figs. 6, 10-11. Bassler and Moodey, 1943, p. 664.

*Rhodocrinus nanus* Wachsmuth and Springer, 1897, p. 228, Pl. 12, fig. 2b, only. Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Rhodocrinites nodulosus* (Hall), Le Maitre, 1952 = *Dimerocrinites nodulosus* = *Griphocrinus nodulosus*

*Rhodocrinites nortoni* (Goldring, 1933). Bassler and Moodey, 1943, p. 664. Goldring, 1954, p. 5. Webster, 1973, p. 232. Kite and Kammer, 1988, p. 106, Figs. 3-4. Webster, 1993, p. 103.

*Rhodocrinus nortoni* Goldring, 1933, p. 153, Pl. 4, figs. 1-2; Figs. 1-2. Bassler and Moodey, 1943, p. 664.

Devonian, Pragian, Seboomook Formation; Oriskany Sandstone. United States, Maine

*Rhodocrinites octadactylus* (Laudon and Beane, 1937). Bassler and Moodey, 1943, p. 664.

*Rhodocrinus octadactylus* Laudon and Beane, 1937, p. 242, Pl. 15, figs. 8-9. Bassler and Moodey, 1943, p. 664.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Rhodocrinites osipovae* Arendt, 2002, p. 115, Pl. 1, figs. 1a-1e.

Mississippian, early Serpukhovian, lower part of Steshen Horizon. Russia, Moscow Basin

*Rhodocrinites ornatus* Dubatolova, 1964, p. 31, Pl. 3, figs. 5-7. Webster, 1973, p. 232. Devonian, Eifelian. Russia, Kuznetz Basin

*Rhodocrinites pantheri* Laudon, Parks, and Spreng, 1952, p. 562, Pls. 67, fig. 7; 69, fig. 13. Webster, 1973, p. 232.

Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta

*Rhodocrinites parvus* (Miller, 1891) = *Cribanocrinus parvus*

*Rhodocrinites platyacron* (Yakovlev in Yakovlev and Ivanov, 1956). Arendt and Hecker, 1964, p. 95, Pl. 14, fig. 12. Webster, 1973, p. 232.

*Rhodocrinus platyacron* Yakovlev in Yakovlev and Ivanov, 1956, p. 46, Pl. 16, fig. 2. Webster, 1973, p. 232.

Mississippian, Viséan?. Asiatic Russia

- Rhodocrinites priminodosus* Laudon and Severson, 1953, p. 525, Pls. 52, figs. 6-8; 55, fig. 16. Webster, 1973, p. 232.  
Mississippian, Tournaisian (Kinderhookian), Lodgepole Limestone. United States, Montana
- Rhodocrinites punctatus* (Weller, 1909) = *Cribanocrinus punctatus*
- Rhodocrinites quinquangularis* Miller, J. S., 1821, p. 109. Bassler and Moodey, 1943, p. 665. Ausich and Kammer, 2006, p. 101 (considered *nomen dubium*).  
*Rhodocrinus quinquangularis* (Miller, 1821). Bronn, 1848, p. 1086. Bigsby, 1868, p. 23.  
Mississippian, Viséan, Mountain Limestone. United Kingdom; Belgium
- Rhodocrinites* aff. *quinquangularis* Miller, 1821. Webster, 1973, p. 232.  
*Rhodocrinites* aff. *quinquangularis* Miller, 1821. Larrauri and Mercadillo, 1944, p. 50, Pl. 6, fig. 2.  
Devonian, Coblenzian. Western Sahara
- Rhodocrinites quinquelobus* (Schultze, 1866) = *\*Problematicocrinus quinquelobus*
- Rhodocrinites rubiformis* (Yakovlev in Yakovlev and Ivanov, 1956). Webster, 1973, p. 232.  
*Rhodocrinus rubiformis* Yakovlev in Yakovlev and Ivanov, 1956, p. 46, Pl. 16, fig. 3.  
Webster, 1973, p. 232.  
Mississippian, Viséan?. Asiatic Russia
- Rhodocrinites sculptus* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 665.  
*Rhodocrinus sculptus* Miller and Gurley, 1890b, p. 42, Pl. 7, fig. 11. Miller and Gurley, 1891, p. 359, Pl. 7, fig. 11. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 526. Bassler and Moodey, 1943, p. 665.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Rhodocrinites skourensis* (Delpy, 1941). Webster, 1973, p. 232.  
*Rhodocrinus skourensis* Delpy, 1941, p. 217, Figs. 9-12. Termier, G. and Termier, H., 1950, p. 83, Pl. 208, figs. 1-4 (*non* Pl. 208, fig. 16, as given p. 83).  
Webster, 1973, p. 232.  
Mississippian, late Viséan. Morocco
- Rhodocrinites spinatus* Chen and Yao, 1993, p. 18, Pls. 1, figs. 5-6; 15, figs. 1-2; Fig. 5; nos. a-c. Webster, Waters, and Chen, 2009, p. 131, Fig. 4, nos. a-d.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province
- Rhodocrinites tessellatus* Steininger, 1853, p. 36. Bassler and Moodey, 1943, p. 665.  
Devonian, Eifelian. Germany

- Rhodocrinites tortuosus* Roemer, F. A., 1893, p. 8, Pl. 3, fig. 12. Bassler and Moodey, 1943, p. 665.  
*Rhodocrinus tortuosus?* Roemer, 1893, Pl. 3, fig. 12. Bronn, 1848, p. 366, 1086. d'Orbigny, 1850, p. 104.  
 Devonian, Emsian?, Kahlenberg Sandstone. Germany
- Rhodocrinites truncatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 665.  
*Rhodocrinus truncatus* Wachsmuth and Springer, 1897, p. 231, Pl. 13, figs. 2a-2f. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 527. Bassler and Moodey, 1943, p. 665.  
 Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Rhodocrinites tuberculatus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 665. Moore and Laudon, 1944, p. 185, Pl. 73, fig. 6. Webster, 1973, p. 232.  
*Rhodocrinus tuberculatus* Wachsmuth and Springer, 1897, p. 232, Pl. 13, figs. 3-4. Miller, S. A., 1897, p. 752. Weller, S., 1898c, p. 528. Bassler and Moodey, 1943, p. 665.  
 Mississippian, Viséan (Osagean), Lake Valley Limestone, Nunn Member. United States, New Mexico
- Rhodocrinites aff. tuberculatus* (Wachsmuth and Springer, 1897). Hauser, 1997, p. 133, Pl. 67, figs. 6-7. (Given as *R. cf. tuberculatus* on plate explanation)  
 Devonian, Eifelian, Junkerberg Formation, ?Giesdorf Member. Germany
- Rhodocrinites uniarticulatus* (de Koninck and Le Hon, 1854). Bassler and Moodey, 1943, p. 665.  
*Rhodocrinus uniarticulatus* de Koninck and Le Hon, 1854, p. 107, Pl. 1, figs. 13a-13c. Pictet, 1857, p. 315, Pl. 100, fig. 9. Frech, 1902, Pl. 27, fig. 14. Schmidt, W. E., 1930, p. 63, Pl. 2, figs. 1-2. Bassler and Moodey, 1943, p. 665.  
 Mississippian, late Tournaisian-Viséan. Belgium; Germany
- Rhodocrinites verisimilis* (Grenfell, 1876). Bassler and Moodey, 1943, p. 665. Wright, J., 1958, p. 311, Pl. 76, figs. 13-15, 19-20, 26-28; Fig. 130. Webster, 1973, p. 232. Ausich and Sevastopulo, 1994, p. 249, Fig. 6. Lane and Sevastopulo, 2001, p. 20, Pl. 1, figs. 1-8.  
*Rhodocrinus versimilis* Grenfell, 1876, p. 482, Pl. 7, figs. 8-10. Bassler and Moodey, 1943, p. 665.  
 Mississippian, Tournaisian, shale in lower part of Lower Limestone, *Michelinia* Beds; Hook Head Formation. United Kingdom; Ireland
- \**Rhodocrinites verus* Miller, J. S., 1821, p., 106, Pls. 1-2 (*non* fig. 1A). Bronn, 1825, Pl. 3, fig. 6. Fleming, 1828, p. 495. Bronn, 1837, p. 59, Pl. 4, figs. 2a-2e. Roemer, F. A., 1866b, p. 229. Wachsmuth and Springer, 1897, p. 219. Bassler, 1938, p. 164. Bassler and Moodey, 1943, p. 665. Wright, J., 1958, p. 309, Fig. 129.

- Webster, 1973, p. 232. Ubaghs *in* Moore and Teichert, 1978, p. T420, Fig. 231, nos. 1a-1b. Webster, 1986, p. 277.
- Rhodocrinus verus* Miller, 1821. Bronn, 1848, p. 1086. d'Orbigny, 1850, p. 47.  
Roemer, C. F. *in* Bronn and Roemer, 1851, p. 241, Pl. 4, figs. 2a-2e. Eichwald, 1860, p. 599. Dujardin and Hupé, 1862, p. 124. Grenfell, 1876, p. 480, Pl. 7, figs. 6-7. Yanishevsky, 1900, p. 99.
- Encrinites rhodocrinites* von Schlotheim, 1822-1823, p. 101, Pl. 28, figs. 3a-3b. von Schlotheim, 1832, p. 25, Pl. 28, figs. 3a-3f. Bronn, 1848, p. 1086. Roemer, C. F., 1851b, p. 241. Bassler and Moodey, 1943, p. 665.
- Encrinites echidnoides* Schlotheim, 1820, p. 333, Pl. 3, fig. 98. Bronn, 1848, p. 1086. Roemer, C. F., 1851b, p. 241. Bassler and Moodey, 1943, p. 447.
- ?*Orthoceratites echidnoides* Schlotheim, 1813. Bronn, 1848, p. 1086.
- ?*Echinidnis diluviana* Mf. Bronn, 1848, p. 1086.
- Rhodocrinus radiatus* Grenfell, 1876, p. 482. Bassler and Moodey, 1943, p. 666. Mississippian, Tournaisian, Mountain Limestone. United Kingdom, Germany, Russia, Ural Mountains

*Rhodocrinites verus* Miller, 1821 (part) = *Sagenocrinites expansus*

*Rhodocrinites wachsmuthi* (Hall, 1861) = *Cribanocrinus wachsmuthi*

*Rhodocrinites watersianus* (Wachsmuth and Springer, 1889) = *Cribanocrinus watersianus*

*Rhodocrinites whitei* (Hall, 1861) = *Cribanocrinus whitei*

*Rhodocrinites wortheni* (Hall, 1858) = *Cribanocrinus wortheni*

*Rhodocrinites wortheni urceolatus* (Wachsmuth and Springer, 1897) = *Cribanocrinus urceolatus*

*Rhodocrinites* spp.

- Brower, 1970, p. 487, Pl. 67, figs. 20, 24; Fig. 79, nos. A-B. Webster, 1977, p. 151. Mississippian, Viséan (Osagean), Redwall Limestone, Thunder Springs Member or Mooney Falls Member. United States, Arizona
- Kues, 1982, Unnum. Fig. p. 108, no. M. Webster, 1988, p. 146. Mississippian. no locality data
- Kues, 1982, Unnum. Fig. p. 108, no. N. Webster, 1988, p. 146. Mississippian. no locality data
- Chen and Yao, 1993, p. 19, Pl. 1, figs. 11-12. Mississippian, Tournaisian, Yudong Formation; Wangjiadashan Formation. China, Yunnan Province
- Webster et al., 2004, p. 18, Pl. 1, figs. 1-3. Mississippian, Serpukovian, E1, El Guelmouna Formation, Ain Mezerelt Member. Algeria
- Webster, Waters, and Chen, 2009, p. 133, Fig. 4, nos. i-l. Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province



Rhodocrinitid Dominguez, Gil, and Torres, 1999, p. 270, Fig. 1. (diagramatic)  
Ordovician, Caradocian. Spain

Rhodocrinitid nov. gen. et nov. sp. Torres, Gil Cid, and Dominguez, 1999 =  
*Ortsaecrinus cocae*

Rhodocrinitid sp. Witzke and Strimple, 1981, p. 106, Pl. 1, fig. 1; Fig. 2. Webster,  
1988,  
p. 146.  
Silurian, late Llandoveryan, Hopkinton Dolomite, *Cyclocrinites* Beds. United  
States, Iowa

Rhodocrinitid species A (spp).  
Kolata, 1982, p. 202, Pl. 19, fig. 21. Webster, 1988, p. 146.  
Ordovician, Sandbian (Champlainian), Bromide Formation, Pooleville Member.  
United States, Oklahoma  
Guensburg, 1984, p. 37, Pl. 6, figs. 7, 10, 11. Webster, 1988, p. 146.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee

Rhodocrinitidae indeterminate Ausich and Copper, 2010, p. 16, Pl. 1, fig. 7, Fig. 6.6.  
Silurian, late Llandoveryan, Jupiter Formation, Ferrum Member. Canada, Quebec,  
Anticosti Island

*Rhodocrinites douglassi* (Miller and Gurley, 1897) = *Rhodocrinites douglassi*

*RHODOCRINUS* of authors = *RHODOCRINITES*

*Rhodocrinus* (*Gilbertsocrinus*) *abnormis* M'Coy, 1844 = *Rhodocrinites abnormis*

*Rhodocrinus* (*Thysanocrinus*) *aculeatus* (Hall, 1852) = *Dimerocrinites aculeatus*

*Rhodocrinus asperatus* Billings, 1859 = *Deocrinus asperatus*

*Rhodocrinus baccatus* Wright, 1937 = *Rhodocrinites baccatus* = *Cribanocrinus*  
*baccatus*

*Rhodocrinus barrisi* Hall, 1861 = *Rhodocrinites barrisi*

*Rhodocrinus barrisi* var. *divergens* Hall, 1861 = *Rhodocrinites barrisi divergens*

*Rhodocrinus barrisi* var. *striatus* Wachsmuth and Springer, 1897 = *Rhodocrinites barrisi*  
*striatus*

*Rhodocrinus benedicti* Miller, 1892 = *Rhodocrinites benedicti* = *Cribanocrinus benedicti*

*Rhodocrinus blairi* Miller and Gurley, 1896 = *Rhodocrinites blairi*

*Rhodocrinus bozemanensis* Miller and Gurley, 1897 = *Rhodocrinites bozemanensis*

*Rhodocrinus bridgerensis* Miller and Gurley, 1897 = *Rhodocrinites bridgerensis* =  
*Cribanocrinus bridgerensis*

*Rhodocrinus caelatus* Miller and Gurley, 1890 = *Rhodocrinites caelatus*

*Rhodocrinus (Thysanocrinus) canaliculatus* (Hall, 1852) = *Dimerocrinites canaliculatus*

*Rhodocrinus cavanaughi* Laudon, 1933 = *Rhodocrinites cavanaughi*

*Rhodocrinus costatus* (Austin and Austin, 1843) = *Rhodocrinites costatus*

*Rhodocrinus coxanus* Worthen, 1882 = *Rhodocrinites coxanus* = *Cribanocrinus coxanus*

*Rhodocrinus crenatus* (Goldfuss, 1831) = *Rhipidocrinus crenatus*

*Rhodocrinus crenatus* var. *aculeatus* Schultze, 1866 = *Rhipidocrinus crenatus aculeatus*

*Rhodocrinus crenatus* var. *reticularis* Schultze, 1866 = *Rhipidocrinus crenatus reticularis*

*Rhodocrinus (Lyriocrinus) dactylus* (Hall, 1843) = *Lyriocrinus dactylus*

*Rhodocrinus douglassi* Miller and Gurley, 1897 = *Rhodocrinites douglassi*

*Rhodocrinus douglassi* var. *constrictus* Laudon, 1933 = *Rhodocrinites douglassi constrictus*

*Rhodocrinus douglassi* var. *excavatus* Laudon, 1933 = *Rhodocrinites douglassi excavatus*

*Rhodocrinus douglassi* var. *haploformis* Laudon and Beane, 1937 = *Rhodocrinites douglassi haploformis*

*Rhodocrinus douglassi* var. *multidactylus* Laudon, 1933 = *Rhodocrinites douglassi multidactylus*

*Rhodocrinus douglassi* var. *serpens* Laudon, 1933 = *Rhodocrinites douglassi serpens*

*Rhodocrinus gonatodes* Müller, 1855 = *Diamenocrinus gonatodes*

*Rhodocrinus (Acanthocrinus) gracilis* Hall, 1862 = *Thylacocrinus gracilis*

*Rhodocrinus granulatus* (Austin and Austin, 1842) = *Rhodocrinites granulatus*

- Rhodocrinus halli* Lyon, 1862 = *Thysanocrinus halli* = *Dimerocrinus halli* =  
*Dimerocrinites halli* = *Griphocrinus halli*
- Rhodocrinus (Thysanocrinus) immaturus* (Hall, 1852) = *Gazacrinus immaturus*
- Rhodocrinus insculptus* Goldring, 1935 = *Rhodocrinites insculptus* = *Griphocrinus insculptus*
- Rhodocrinus kirbyi* Wachsmuth and Springer in Miller, 1889 = *Rhodocrinites kirbyi*
- Rhodocrinus (Thysanocrinus) liliformis* (Hall, 1852) = *Dimerocrinites liliformis*
- Rhodocrinus longispina* (Roemer, 1850), Wachsmuth and Springer, 1881 =  
*Acanthocrinus longispina*
- Rhodocrinus melissa* Hall, 1863 = *Lyriocrinus melissa*
- Rhodocrinus (Lyriocrinus) melissa* Hall, 1863 = *Lyriocrinus melissa*
- Rhodocrinus microbasalis* (Billings, 1857) = *Archaeocrinus microbasalis*
- Rhodocrinus nanus* Meek and Worthen, 1866 = *Rhodocrinites nanus*
- Rhodocrinus nanus* Wachsmuth and Springer, 1897 (part) = *Rhodocrinites nanus glyptoformis*
- Rhodocrinus nanus* var. *glyptoformis* Laudon and Beane, 1937 = *Rhodocrinites nanus glyptoformis*
- Rhodocrinus nodulosus* Hall, 1862 = *Dimerocrinites nodulosus* = \**Griphocrinus nodulosus*
- Rhodocrinus nodulosus* var. *pernodosus* Goldring, 1923 = *Dimerocrinites nodulosus pernodosus*
- Rhodocrinus (Acanthocrinus) nodulosus* Hall, 1862 = *Dimerocrinites nodulosus* =  
\**Griphocrinus nodulosus*
- Rhodocrinus nortoni* Goldring, 1933 = *Rhodocrinites nortoni*
- Rhodocrinus octadactylus* Laudon and Beane, 1937 = *Rhodocrinites octadactylus*
- Rhodocrinus parvus* Miller, 1891 = *Rhodocrinites parvus* = *Cribanocrinus parvus*
- Rhodocrinus platyacron* Yakovlev in Yakovlev and Ivanov, 1956 = *Rhodocrinites platyacron*

*Rhodocrinus polydactylus* Worthen, 1882 = *Rhodocrinites coxanus* = *Cribanocrinus coxanus*

*Rhodocrinus punctatus* Weller, 1909 = *Rhodocrinites punctatus* = *Cribanocrinus punctatus*

*Rhodocrinus pyriformis* (Billings, 1857) = *Archaeocrinus pyriformis* = \**Neoarchaeocrinus pyriformis*

*Rhodocrinus quinquangularis* Miller, 1821 = *Rhodocrinites quinquangularis*

*Rhodocrinus quinquelobus* Schultze, 1866 = *Rhodocrinites quinquelobus* = \**Problematicocrinus quinquelobus*

*Rhodocrinus quinquepartitus* Goldfuss, 1831, p. 199, Pl. 60, fig. 5. Bronn, 1848, p. 1086. d'Orbigny, 1850, p. 104.  
Devonian, Eifelian. Germany

*Rhodocrinus radiatus* Grenfell, 1876 = *Rhodocrinites verus*

*Rhodocrinus? rectus* Hall, 1867 = *Eucalyptocrinites rectus*

*Rhodocrinus rubiformis* Yakovlev, 1956 = *Rhodocrinites rubiformis*

*Rhodocrinus (Lyriocrinus) sculptilis* Hall, 1865 = *Lyriocrinus sculptilis*

*Rhodocrinus sculptus* Miller and Gurley, 1890 = *Rhodocrinites sculptus*

*Rhodocrinus skourensis* Delpey, 1939 = *Rhodocrinites skourensis*

*Rhodocrinus spinosus* Hall, 1862 = *Acanthocrinus spinosus*

*Rhodocrinus stellaris* de Koninck and Le Hon, 1854 = *Gilbertsocrinus stellaris*

*Rhodocrinus tessellatus* Steininger, 1853 = *Rhipidocrinus crenatus*

*Rhodocrinus tesseracontadactylus* (Goldfuss, 1831) = *Abacocrinus tesseracontadactylus*

*Rhodocrinus tortuosus?* Roemer, 1893 = *Rhodocrinites tortuosus*

*Rhodocrinus truncatus* Wachsmuth and Springer, 1897 = *Rhodocrinites truncatus*

*Rhodocrinus tuberculatus* Wachsmuth and Springer, 1897 = *Rhodocrinites tuberculatus*

*Rhodocrinus uniarticulatus* de Koninck and Le Hon, 1854 = *Rhodocrinites uniarticulatus*

*Rhodocrinus varsoviensis* Hall, 1859a, p. 80. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 278. Weller, S., 1898c, p. 58. Bassler and Moodey, 1943, p. 667. Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Illinois

*Rhodocrinus versimilis* Grenfell, 1876 = *Rhodocrinites versimilis*

*Rhodocrinus verus* (Miller, 1821) = *Rhodocrinites verus*

*Rhodocrinus verus* Roemer, 1854 = *Sagenocrinites expansus*

*Rhodocrinus vesperalis* White, 1879 = *Diaboloocrinus vesperalis*

*Rhodocrinus wachsmuthi* Hall, 1861 = *Rhodocrinites wachsmuthi* = *Cribanocrinus wachsmuthi*

*Rhodocrinus watersianus* Wachsmuth and Springer, 1889 = *Cribanocrinus watersianus*

*Rhodocrinus whitei* Hall, 1861 = *Rhodocrinites whitei* = *Cribanocrinus whitei*

*Rhodocrinus whitei* var. *burlingtonensis* Hall, 1861 = *Rhodocrinites whitei* = *Cribanocrinus whitei*

*Rhodocrinus wortheni* Hall, 1858 = *Rhodocrinites wortheni* = *Cribanocrinus wortheni*

*Rhodocrinus wortheni* var. *urceolatus* Wachsmuth and Springer, 1897 = *Cribanocrinus urceolatus*

*Rhodocrinus (Acanthocrinus)* sp. Whidborne, 1895 = Order, family, genus, and species uncertain A

*Rhodocrinus* sp. 1 Wright, J., 1920a, p. 376, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Rhodocrinus* sp. 2 Wright, J., 1920a, p. 376, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Rhodocrinus* sp. 3 Wright, J., 1920a, p. 376, unfig.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland,

*Rhodocrinus* spp.  
Rofe, 1873, p. 266, Pl. 11, fig. 5. (Indeterminate calyx cross-section, GDW)  
Mississippian, Viséan, Mountain Limestone. United Kingdom, Scotland  
Wachsmuth and Springer, 1889a, p. 354, Pl. 18, fig. 12.  
Mississippian, Viséan (Osagean), Lake Valley Formation. United States, New Mexico

*Rhodocrinus?* ?sp. Whidborne, 1898 = Order, family, genus, and species uncertain A

**RHOPALOCRINUS** Wachsmuth and Springer, 1880. \**Taxocrinus gracilis* Schultze, 1866.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Cupressocrinitidae  
Wachsmuth and Springer, 1880 (1879), p. 57 (280). Bather *in* Lankester, 1900, p. 191. Springer, 1902, p. 95. Springer, 1906, p. 484. Springer *in* Zittel, 1913, p. 206. Springer, 1920a, p. 453. Bather, 1926, p. 43. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p. 667. Ubaghs, 1953, p. 751. Webster, 1973, p. 233. Moore and Lane *in* Moore and Teichert, 1978, p. T658. Webster, 1986, p. 277. Hauser, 1997, p. 78, Fig. 22. Hauser, 2001, p. 118, Fig. 100. Bohatý, 2006c, p. 154.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Rhopalocrinus gracilis* (Schultze, 1866). Wachsmuth and Springer, 1880 (1879), p. 58 (281). Springer, 1920a, p. 453, Pl. 75, figs. 11a-11d. Bather, 1926, p. 44, Figs. 6-8. Bassler and Moodey, 1943, p. 667. Sieverts-Doreck, 1953, p. 86, Pl. 4, fig. 12. Webster, 1973, p. 233. Moore and Lane *in* Moore and Teichert, 1978, p. T658, Fig. 430, no. 1. Webster, 1986, p. 277. Hauser, 1997, p. 78, Pls. 28, figs. 1-6; 73, fig. 1. Hauser, 2001, p. 27, 118, Pl. 19, figs. 4-5; Fig. 101 (not fig. 3 as given p. 27).

*Taxocrinus gracilis* Schultze, 1866, p. 39 (adv. pub.). Schultze, 1867, p. 149, Pl. 4, figs. 3-3a. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p. 667.

Devonian, Eifelian, Junderberg Formation; ?Freilingen Formation. Germany

**RHOPOCRINUS** Kirk, 1942. \**R. spinosus* Kirk, 1942.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Stellarocrinidae

Kirk, 1942b, p. 152. Bassler and Moodey, 1943, p. 667. Moore and Laudon, 1943b, p. 56. Arendt and Hecker, 1964, p. 88. Burdick and Strimple, 1971a, p. 34. Strimple, 1973e, p. 19. Webster, 1973, p. 233. Webster, 1977, p. 151.

Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671. Burdick and Strimple, 1983a, p. 90. Webster, 1986, p. 277. Chestnut and Etensohn, 1988, p. 44, Figs. 10, 13. Webster, 1988, p. 146. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 103.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 1 Viséan, 3 Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

*Rhopocrinus cornelli* Burdick and Strimple, 1983a, p. 92, Pl. 13, figs. 2-3, 10. Webster, 1988, p. 147.

Mississippian, Serpukhovian (Chesterian), lower part of Hartselle Sandstone. United States, Alabama

*Rhopocrinus municipalis* (Troost, 1850). Kirk, 1942b, p. 152. Bassler and Moodey, 1943, p. 667. Webster, 1988, p. 147.

*Poteriocrinites municipalis* Troost, 1850a, p. 61. Troost, 1850b, p. 419 (*nomen*

- nudum*). Bassler and Moodey, 1943, p. 667.  
*Poteriocrinus municipalis* Troost, 1850. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274.  
*Cyathocrinus? municipalis* (Troost, 1850). Wood, E., 1909, p. 82, Pl. 11, fig. 5.  
 Bassler and Moodey, 1943, p. 667.  
 Mississippian, Viseian (Chesterian), Gasper Limestone. United States, Tennessee
- Rhopocrinus proboscidualis* (Worthen, 1875). Kirk, 1942b, p. 153. Bassler and Moodey, 1943, p. 668.  
*Poteriocrinus proboscidualis* Worthen, 1875, p. 518, Pl. 31, fig. 1. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 668.  
*Poteriocrinus (Scaphiocrinus) proboscidualis* Worthen, 1875. Wachsmuth and Springer, 1880 (1879), p. 114. Bassler and Moodey, 1943, p. 668.  
*Scaphiocrinus proboscidualis* (Worthen, 1875). Weller, S., 1898c, p. 547.  
 Mississippian, Serpukhovian (Chesterian), Ste. Genevieve Limestone. United States,  
 Alabama, Missouri
- Rhopocrinus* sp. cf. *R. proboscidualis* (Worthen, 1875). Burdick and Strimple, 1971a, p. 35, Pl. 7, fig. 14. Webster, 1977, p. 151.  
 Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois
- \**Rhopocrinus spinosus* Kirk, 1942b, p. 152, Pl. 16. Bassler and Moodey, 1943, p. 668.  
 Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T671, Fig. 428, no. 4. Webster, 1986, p. 277. Chestnut and Ettensohn, 1988, p. 44, Pl. 3, figs. 11-13. Webster, 1993, p. 103.  
 Mississippian, Serpukhovian (Chesterian), Glen Dean Formation; Pennington Formation. United States, Kentucky
- Rhopocrinus* sp. Burdick and Strimple, 1983a, p. 238, Pl. 6, fig. 13. Webster, 1988, p. 147.  
 Mississippian, Serpukhovian (Chesterian), upper part of Monteagle Limestone. United States, Alabama
- Ridged crinoid plates Sprinkle and Wahlman, 1994, p. 334, Figs. 6.6-6.7, 6.11.  
 Ordovician, Floian or Dapingian (middle Arenig), El Paso Group. United States, Texas
- Ridged thecal plates with folds or pectinirhombs Sprinkle and Wahlman, 1994, p. 335, Fig. 6.8.  
 Ordovician, Floian or Dapingian (middle Arenig), El Paso Group. United States, Texas
- RIMOSINDOCRINUS** Arendt, 1981. \**Indocrinus rimosus* Wanner, 1916.  
 Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae  
 Arendt, 1981, p. 71. Webster, 1988, p. 147.

Named, currently recognized species based on cups or crowns: 3 Permian species,  
series uncertain  
Permian, series uncertain. West Timor

*Rimosindocrinus brevijugatus* (Wanner, 1931). Arendt, 1981, p. 71, Fig. 19, nos. e-zh.  
Webster, 1988, p. 147.

*Indocrinus brevijugatus* Wanner, 1931, p. 7, Pl. 1, figs. 12-14. Bassler and Moodey,  
1943, p. 523. Branson, C. C., 1948, p. 197. Webster, 1988, p. 147.  
Permian, series uncertain. West Timor, Basleo

*Rimosindocrinus pachycephalus* (Wanner, 1931). Arendt, 1981, p. 71. Webster, 1988,  
p. 147.

*Indocrinus rimosus pachycephalus* Wanner, 1931, p. 10, Pl. 1, fig. 11. Bassler and  
Moodey, 1943, p. 524. Branson, C. C., 1948, p. 197. Webster, 1988, p. 147.  
Permian, series uncertain. West Timor, Basleo

\**Rimosindocrinus rimosus* (Wanner, 1916). Arendt, 1981, p. 71, Figs. 18, nos. a-zh;  
25, no. d. Webster, 1988, p. 147.

*Indocrinus rimosus* Wanner, 1916, p. 86, Pl. 103 (8), fig. 9, Fig. 22. Wanner, 1924,  
p.  
216, Pl. 9, figs. 26-28. Wanner, 1931, p. 7, Pl. 1, fig. 10. Bassler and Moodey,  
1943, p. 524. Branson, C. C., 1948, p. 197. Yakovlev, 1950, p. 94, Fig. IV.  
Webster, 1973, p. 156. Ubaghs *in* Moore and Teichert, 1978, p. T214, Fig. 183,  
no. 4. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T662, Fig. 434,  
nos. 1e-1h. Arendt, 1981, p. 71. Webster, 1986, p. 178. Webster, 1988, p. 147.  
Permian, series uncertain. West Timor, Basleo

**RIPIDOCRINUS** Wachsmuth and Springer, 1881 = **RHIPIDOCRINUS**

*Ristacrinus? altobasalis* Brower and Veinus, 1974 = *Ristnacrinus? altobasalis*

**RISTNACRINUS** Opik, 1934. \**R. marinus* Opik, 1934.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Opik, 1934, p. 1. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p. 668. Moore  
and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 747. Yakovlev, 1956c, p. 155,  
Figs. 1-2. Moore, 1962b, p. 35, Fig. 2, no. 1. Arendt and Hecker, 1964, p. 80.  
Webster, 1973, p. 233. Moore and Lane *in* Moore and Teichert, 1978, p. T554.  
Kelly, 1982, p. 288, Figs. 6, no. 5; 7, no. 2. Donovan, 1984b, p. 629, Fig. 1, no.  
B. Webster, 1986, p. 277. Webster, 1988, p. 147. Webster, 1993, p. 1034.

Ausich,

1998b, p. 36.

Named, currently recognized species based on cups or crowns: 2 Ordovician  
Sandbian species

Ordovician. Sandbian. Estonia, Kazakhstan; United States

*Ristnacrinus? altobasalis* Brower and Veinus, 1974, p. 27, Pl. 3, fig. 5.

*Ristacrinus? altobasalis* Brower and Veinus, 1974. Webster, 1986, p. 277  
Ordovician, Sandbian (Champlainian), Benbolt Formation. United States,



## Tennessee

\**Ristnacrinus marinus* Öpik, 1934, p. 3, Pl. 1, figs. 1-2; Fig. 1. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p. 668. Ubaghs, 1953, p. 747, Fig. 7. Moore, 1962b, p. 35, Pl. 1, fig. 6. Arendt and Hecker, 1964, p. 80, Pl. 8, fig. 1. Webster, 1973, p. 233. Moore and Lane *in* Moore and Teichert, 1978, p. T554, Fig. 348, no. 1. Stukalina, 1986, p. 86, Pl. 2, fig. 8. Webster, 1986, p. 277. Webster, 1993, p. 103.

Ordovician, Sandbian (Jewe Formation), lykhvisky Horizon. Estonia

*Ristnacrinus* spp.

Donovan, 1984b, p. 631, Fig. 4. Webster, 1988, p. 147.

Ordovician, Sandbian, several formations. United Kingdom

Stukalina, 1986, p. 86, Pl. 1, fig. 1. Webster, 1993, p. 103.

Ordovician, Sandbian - Katian. northern Estonia

**ROBUSTOCRINITES** Bohatý, 2005. \**Cupressocrinus scaber* Schultze, 1866.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Cupressocrinitidae, Sbf. Cupressoriniæ

Bohatý, 2005b, p. 213. Bohatý, 2006c, p. 161. Bohatý, 2009a, p. 50.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 1 Eifelian, 1 Eifelian - Givetian, 1 Givetian

Devonian, Eifelian - Givetian. Germany

*Robustocrinites cataphractus* Bohatý, 2009a, p. 51, Figs. 6.1-6.4, 7.1, 7.2.

*Cupressocrinites?* n. sp. 2 Bohatý, 2006c, p. 158, Fig. 4. Bohatý, 2009a, p. 51.

Devonian, early Givetian, Lough Formation, lower part of Hustley Member. Germany

*Robustocrinites galeatus* (Hauser, 2001). Bohatý, 2006c, p. 162, Pl. 7, figs. 1, 2.

*Robustocrinites scaber glaeatus* (Hauser, 2001). Bohatý, 2005b, p. 215. Bohatý, 2006c, p. 162.

*Cupressocrinus scaber* Hauser, 1997, p. 76, Pl. 27, figs. 1-6. Bohatý, 2005b, p. 215.

*Cupressocrinites tesserula* Hauser, 1997, Bohatý, 2005b, p. 215. Hauser, 2007, p. 61, Fig. 5.

*Cupressocrinites scaber galeatus* Hauser, 2001. Bohatý, 2005b, p. 215.

Devonian, Eifelian, Ahrdorf Formation, upper part of Bildstock Member — Junkerberg Formation, Nims Member. Germany

\**Robustocrinites scaber* (Schultze, 1866). Bohatý, 2005b, p. 213. Bohatý, 2009a, p. 51, Figs. 5.1-5.3.

*Cupressocrinus scaber* Schultze, 1866 (adv. pub.). Schultze, 1867, p. 137, Pl. 1, fig. 4. Bassler and Moodey, 1943, p. 386. Bohatý, 2005b, p. 214.

*Cupressocrinites scaber* (Schultze, 1866). Bassler and Moodey, 1943, p. 386.

Hauser, 1997, p. 75, Pls. 25, figs. 5-6; 26, figs. 1-6. Hauser, 2001, p. 26, 115, Pls. 20, fig. 5; 21, figs. 1-1a; 22, fig. 3; Fig. 99. Bohatý, 2005b, p. 214. Hauser *in* Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 8.

∅*Cupressocrinites cressus* Yeltyschewa and Dubatolova, 1961, Bohatý, 2005b, p. 214 (sic).

*Robustocrinites scaber scaber* (Schultze, 1866). Bohatý, 2005b, p. 214.  
Devonian, Eifelian - Givetian, Ahrdorf Formation, Bildstock Member —Junkerberg  
Formation, Nims Member; Lough Formation, Hustley Member; early Eifelian,

*Robustocrinites scaber glaeatus* (Hauser, 2001) = *Rhodocrinites galeatus*

*Rhodocrinites* aff. *quinquangularis* Miller, 1821 = *Rhodocrinites* aff. *quinquangularis*

**ROEMEROCRINUS** Wanner, 1916. \**R. gracilis* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Wanner, 1916, p. 205. Wanner, 1924, p. 179, 209. Wanner, 1937, p. 164. Bassler,  
1938, p. 166. Bassler and Moodey, 1943, p. 668. Moore and Laudon, 1943b, p.  
55. Branson, C. C., 1948, p. 211. Arendt and Hecker, 1964, p. 92. Webster,  
1973, p. 233. Moore and Strimple *in* Moore and Teichert, 1978, p. T647.  
Webster, 1986, p. 278.

Named, currently recognized species based on cups or crowns: 3 Permian species,  
1 subspecies. 3 Permian, series uncertain  
Permian, series uncertain. West Timor

\**Roemerocrinus gracilis* Wanner, 1916, p. 205, Pl. 108 (13), fig. 1. Wanner, 1937, p.  
164, Pl. 10, figs. 29-30; Figs. 58-59. Bassler, 1938, p. 166. Bassler and Moodey,  
1943, p. 668. Branson, C. C., 1948, p. 211. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T647, Fig. 422, no. 3. Webster, 1986, p. 278.  
Permian, series uncertain. West Timor, Basleo

*Roemerocrinus gracilis granulatus* Wanner, 1937, p. 165, Pl. 10, fig. 31. Bassler and  
Moodey, 1943, p. 668. Branson, C. C., 1948, p. 211.  
Permian, series uncertain. West Timor, Basleo

*Roemerocrinus gracilis* forma *turginata* Wanner, 1937 = *Roemerocrinus turbinatus*

*Roemerocrinus scrobiculatus* Wanner, 1937, p. 165, Pl. 10, figs. 32-34. Bassler and  
Moodey, 1943, p. 668. Branson, C. C., 1948, p. 211.  
Permian, series uncertain. West Timor, Basleo

*Roemerocrinus turbinatus* Wanner, 1937. Wanner, 1949a, p. 4. Webster, 1973, p. 233.  
*Roemerocrinus gracilis* forma *turbinata* Wanner, 1937, p. 164. Wanner, 1949a, p.  
4. Webster, 1973, p. 233.  
Permian, series uncertain. West Timor

**ROSFACRINUS** Le Menn and Spjeldnaes, 1996. \**Rosfacrinus robustus* Le Menn  
and Spjeldnaes, 1996.

Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Dimerocrinitidae  
Le Menn and Spjeldnaes, 1996, p. 343.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
species  
Ordovician, Katian. Morocco

\**Rosfacrinus robustus* Le Menn and Spjeldnaes, 1996, p. 343, Pls. 46, figs. 1-11; 47, figs. 1-14; Figs. 1-3.

Ordovician, Katian (late Caradocian - early Ashgillian). Morocco

**ROSSOCRINUS** Ivanov, 1926. \**R. magnus* Ivanov, 1926.

Ivanov, 1926, p. 152, 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 668.

Named, currently recognized species based on cups or crowns: 1 Carboniferous species, series not given

Carboniferous, series not given. Russia

\**Rossocrinus magnus* Ivanov, 1926 (*nomen nudum*). Bassler, 1938, p. 166.

Carboniferous, series not given. Russia

**RUBOCRINUS** Ivanov, 1926. \**R. trautscholdi* Ivanov, 1926.

Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 668.

Named, currently recognized species based on cups or crowns: 1 Carboniferous species, series not given

Carboniferous, series not given. Russia

\**Rubocrinus trautscholdi* Ivanov, 1926 (*nomen nudum*). Bassler, 1938, p. 166.

Carboniferous, series not given. Russia

**RUGOSOCYATHOCRINITES** Frest, 1977. \**Cyathocrinites* (\**Rugosocyathocrinites*) *pauli* Frest, 1977

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoida, F. Cyathocrinitidae

Webster and Maples, 2006, p. 205. Webster and Maples, 2008, p. 413. Ausich and Copper, 2010, p. 49.

*Cyathocrinites* (*Rugosocyathocrinites*) Frest, 1977, p. 121. Webster, 1986, p. 114.

Named, currently recognized species based on cups or crowns: 4 Silurian species, 1 Wenlockian, 3 Niagaran

Silurian, Wenlockian. North America; Sweden

\**Rugosocyathocrinites pauli* (Frest, 1977). Webster and Maples, 2006, p. 205. Webster and Maples, 2008, p. 413.

*Cyathocrinites* (\**Rugosocyathocrinites*) *pauli* Frest, 1977, p. 128, Figs. 6, no. d; 9, nos. 8-13; 10. Webster, 1986, p. 114.

Silurian, Niagaran, Waldron Shale. United States, Indiana

*Rugosocyathocrinites sanduskyensis* (Frest, 1977).

*Cyathocrinites* (*Rugosocyathocrinites*) *sanduskyensis* Frest, 1977, p. 124, Figs. 6, no. c; 8; 9, nos. 1-7. Webster, 1986, p. 114.

Silurian, Niagaran, argillaceous limestone transitional between the Laurel and Waldron Formations. United States, Indiana

*Rugosocyathocrinites striatissimus* (Frest, 1977).

*Cyathocrinites* (*Rugosocyathocrinites*) *striatissimus* Frest, 1977, p. 122, Figs. 5; 6,

no. b; 7. Webster, 1986, p. 114.  
Silurian, Niagaran Laurel Limestone. United States, Indiana

*Rugosocyathocrinites striolatus* (Angelin, 1878).

*Cyathocrinus striolatus* Angelin, 1878, p. 23, Pl. 19, figs. 9-9a. Bather, 1893a, p. 136, Pl. 7, figs. 218-221. Springer, 1926a, p. 134, Pl. 31, figs. 4-7. Bassler and Moodey, 1943, p. 395. Frest, 1977, p. 121. Webster, 1986, p. 115.

*Cyathocrinites striolatus* (Angelin, 1878). Bassler and Moodey, 1943, p. 395.

*Cyathocrinites (Rugosocyathocrinites) striolatus* (Angelin, 1878). Frest, 1977, p. 121. Webster, 1986, p. 115.

Silurian, Wenlockian; Laurel Limestone. Sweden, Isle of Gotland; United States, Indiana

**RUMPHIOCRINUS** Wanner, 1924. \**R. singularis* Wanner, 1924.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.  
Dactylocrinidae

Wanner, 1924, p. 122. Diener, 1927, p. 12. Bassler, 1938, p. 166. Bassler and Moodey, 1943, p. 668. Moore and Laudon, 1943b, p. 74. Branson, C. C., 1948, p. 211. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 94. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 233. Webster, 1977, p. 151. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 506, no. 9f; 508, no. 1h. Webster, 1986, p. 278.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain

Permian, series uncertain. West Timor

\**Rumphiocrinus singularis* Wanner, 1924, p. 123, Pl. 7, figs. 7-8; Fig. 7. Diener, 1927, p. 12, Pl. 2, figs. 6a-6b. Wanner, 1930, p. 51, Pl. 4, figs. 13-14; Fig. 31. Bassler, 1938, p. 166. Bassler and Moodey, 1943, p. 668. Branson, C. C., 1948, p. 211. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 541, no. 3; 543, no. 3. Webster, 1986, p. 278.

Permian, series uncertain. West Timor, Basleo

**RUTKOWSKICRINUS** McIntosh, 2001. \**Rutkowskicrinus patriciae* McIntosh, 2001.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Glossocrinoidea, F.  
Rutkowskicrinidae

McIntosh, 2001, p. 787. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 2 Devonian, Givetian species

Devonian, Givetian. United States, Michigan

*Rutkowskicrinus collieri* McIntosh, 2001, p. 788, Figs. 6.3, 6.7.

Devonian, Givetian, Traverse Group, Four Mile Dam Formation, Dock Street Clay Member, *Polygnathus varcus* Biozone. United States, Michigan

\**Rutkowskicrinus patriciae* McIntosh, 2001, p. 787, Figs. 4, 5, 6.2, 6.4-6.6.

Devonian, Givetian, Traverse Group, Four Mile Dam Formation, Dock Street Clay Member, *Polygnathus varcus* Biozone. United States, Michigan

*SACCOCRINUS* Hall, 1852 = *PERIECHOCRINUS*

*Saccocrinus amplus* Meek and Worthen, 1861 = *Aryballocrinus whitei*

*Saccocrinus benedicti* Miller, 1892 = *Stiptocrinus benedicti* = *Stiptocrinus spinosus*

*Saccocrinus benedicti* Springer, 1926 (part) = *Stiptocrinus carinatus*

*Saccocrinus benedicti* Springer, 1926 (part) = *Stiptocrinus spinosus*

*Saccocrinus christyi* (Hall, 1863) = \**Aryballocrinus whitei*

*Saccocrinus christyi* Hall, 1877 = *Periechocrinites whitfieldi* = *Periechocrinus whitfieldi*

*Saccocrinus cuspidatus* Springer, 1926 = *Periechocrinus cuspidatus*

*Saccocrinus egani* Miller, 1881 = *Periechocrinites egani* = *Periechocrinus egani*

*Saccocrinus gorbyi* Miller, 1891 = *Periechocrinites gorbyi* = *Periechocrinus gorbyi*

*Saccocrinus? hamiltonensis* Goldring, 1923 = *Periechocrinus? hamiltonensis*

*Saccocrinus howardi* Miller, 1892 = *Periechocrinites howardi* = *Periechocrinus howardi*  
= *Stiptocrinus howardi*

*Saccocrinus infelix* (Winchell and Marcy, 1865) = *Periechocrinites infelix* =  
*Periechocrinus infelix*

*Saccocrinus (Megistocrinus) infelix* (Winchell and Marcy, 1865) = *Periechocrinus infelix*

*Saccocrinus? intrastigmatus* Schmidt, 1931 = *Pithocrinus intrastigmatus* =  
\**Stamnocrinus intrastigmatus*

*Saccocrinus marcouanus* Miller, 1881 = *Periechocrinites marcouanus* = *Periechocrinus marcouanus*

*Saccocrinus necis* Miller, 1881 = *Periechocrinites necis* = *Periechocrinus necis*

*Saccocrinus ornatus* Hall and Whitfield, 1875 = *Periechocrinites ornatus* =  
*Periechocrinus ornatus*

*Saccocrinus pyriformis* Miller, 1882 = *Periechocrinites urniformis*

*Saccocrinus sacculus* Meek and Worthen, 1868 = *Periechocrinites whitfieldi*

*Saccocrinus semiradiatus* (Hall, 1867) = *Macrostylocrinus semiradiatus*

*Saccocrinus speciosus* Hall, 1852 = *Periechocrinus speciosus* = *Periechocrinus dubius*

*Saccocrinus speciosus* Hall, 1852. Brett and Taylor *in* Brett and Baird, 1997, p. 196, Fig.

8.5, no. A. Taylor and Brett *in* Hess et al., 1999 p. 88, Fig. 103.  
Silurian, Wenlockian, Rochester Shale, Lewiston Member, *Homocrinus*  
Beds. United States, New York

*Saccocrinus speciosus* Roemer, 1860 = *Periechocrinites dubius*

*Saccocrinus tennesseeensis* Hall and Whitfield, 1875 = *Periechocrinites tennesseeensis* =  
*Periechocrinus tennesseeensis*

*Saccocrinus umbrosus* Miller and Gurley, 1895 = *Periechocrinites umbrosus*  
*Periechocrinus umbrosus*

*Saccocrinus urniformis* Miller, 1881 = *Periechocrinites urniformis* = *Periechocrinus*  
*urniformis*

*Saccocrinus whitfieldi* (Hall, 1864) = *Periechocrinus whitfieldi*

*Saccocrinus* sp. Kluessendorf, 1983 = *Periechocrinus* sp.

**SACCOSOMOPSIS** Meek and Worthen, 1870. \**Cyathocrinus insperatus* Lyon, 1869.  
Sbc. Cladida, O. Cyathocrinda, Spf. Cyathocrinitoidea, F. Cyathocrinitidae  
Meek and Worthen, 1870b, p. 25. Meek and Worthen, 1873, p. 490. Bassler, 1938,  
p. 166. Bassler and Moodey, 1943, p. 388. Lane and Moore *in* Moore and  
Teichert, 1978, p. T579. Ausich and Lane, 1982b, p. 1348. Webster, 1988, p.  
147. Kammer and Ausich, 1996, p. 862.  
Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species  
Mississippian, Viséan (Osagean). United States, Indiana

\**Saccosomopsis insperatus* (Lyon, 1869). Kammer and Ausich, 1996, p. 862, Figs.  
6.1-6.6.

*Cyathocrinus insperatus* Lyon, 1869, p. 457, Pl. 27, fig. k (incorrectly listed as *C.*  
*tenuibrachiatus*). Miller, S. A., 1889, p. 236. Bassler and Moodey, 1943, p.  
892. Kammer and Ausich, 1996, p. 862.

*Cyathocrinites insperatus* (Lyon, 1869). Bassler and Moodey, 1943, p. 892.  
Kammer and Ausich, 1996, p. 862.

?*Cyathocrinites insperatus* (Lyon, 1869). Van Sant *in* Van Sant and Lane, 1964, p.  
79. Webster, 1973, p. 95. Kammer and Ausich, 1996, p. 862.

*Cyathocrinus? poterium* Meek and Worthen, 1870 b, p. 54. Meek and Worthen,  
1873, p. 489, Pl. 12, fig. 4. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 202.

Bassler, 1938, p. 166. Bassler and Moodey, 1943, p. 394. Ausich and Lane, 1982b, p. 1348. Webster, 1988, p. 147. Kammer and Ausich, 1996, p. 862. *Cyathocrinus poterium* (Meek and Worthen, 1870). Kammer and Ausich, 1996, p. 862.

*Cyathocrinites poterium* (Meek and Worthen, 1870). Van Sant in Van Sant and Lane, 1964, p. 82, Pl. 2, fig. 4.

*Saccosomopsis poterium* (Meek and Worthen, 1870). Ausich and Lane, 1982b, p. 1348. Webster, 1988, p. 147. Kammer and Ausich, 1996, p. 862.

*Cyathocrinus tenuibrachiatus* Lyon, 1869. Miller, S. A., 1889, p. 237.

Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Saccosomopsis poterium* (Meek and Worthen, 1870) = *Cyathocrinites poterium* = *Saccosomopsis insperatus*

**SACRINUS** Jell and Theron, 1999. \**Sacrinus gamkaensis* Jell and Theron, 1999.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Jell and Theron, 1999, p. 138. McIntosh, 2001, p. 800.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Emsian, 1 Emsian - Eifelian

Devonian, Emsian-Eifelian. South Africa

\**Sacrinus gamkaensis* Jell and Theron, 1999, p. 141, Figs. 22-25.

Devonian, Emsian-Eifelian, Gydo Formation. South Africa

*Sacrinus hexensis* Jell and Theron, 1999, p. 145, Fig. 26, nos. A-E.

Devonian, Emsian, Voorstehoek Formation. South Africa

Sagenocrinitid indet. Webster and Jell, 1999b, p. 317, Fig. 22, no. D.

Permian, early Artinskian, Callytharra Formation. Australia, Western Australia

Sagenocrinid indeterminate 1 Webster et al., 2004, p. 61, Pl. 16, figs. 1-3.

Pennsylvanian, early Bashkirian, lower part of Hassi Kerma Formation. Algeria

Sagenocrinid indeterminate 2 Webster et al., 2004, p. 61.

Mississippian, late Viséan, upper part of Akacha-Mazzer Formations. Algeria

Sagenocrinitoidea gen. et sp. indet. Hashimoto, 1984, Pl. 11, figs. 1-2; Fig. 7, no. 7a.

Webster, 1993, p. 104.

Pennsylvanian, Akiyoshi Limestone Group, *Millerella yowarensis* and *Fusulinella biconica* Biozones. Japan

**SAGENOCRINITES** Austin and Austin, 1842. \**Actinocrinites? expansus* Phillips in Murchinson, 1839.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Sagenocrinitidae

Austin and Austin, 1842, p. 110. Austin and Austin, 1843, p. 305. Bassler, 1915, p.

1135. Bassler, 1938, p. 166. Bassler and Moodey, 1943, p. 669. Moore and

Laudon, 1943b, p. 73, Fig. 10. Moore and Laudon, 1944, p. 179, Pl. 67, Fig. 7.

Ubaghs, 1953, p. 755, Fig. 15, no. b. Webster, 1973, p. 234; 1977, p. 151.  
Moore

*in* Moore and Teichert, 1978, p. T796. Smith, A. B., 1985, p. 174. Ausich, 1988, p. 909, Fig. 1, no. 3. Webster, 1988, p. 147. Webster, 1993, p. 104. Ausich, 1997a, p. 292, Figs. 2, no. 5; 7. Donovan et al., 2010, p. 114.  
*SAGENOCRINUS* Morris, J., 1843, p. 58. Pictet, 1857, p. 323. Dujardin and Hupé, 1862, p. 138. Bigsby, 1868, p. 23. Zittel, 1880, p. 345, 375. Wachsmuth and Springer, 1881, p. 201 (375). Zittel, 1895, p. 130. Koken, 1896, p. 284. Bather *in* Lankester, 1900, p. 190. Springer, 1902, p. 89. Springer, 1906, p. 519. Springer *in* Zittel, 1913, p. 204. Bassler, 1915, p. 1135. Springer, 1920a, p. 205. Abel, 1924, p. 280. Springer, 1926a, p. 68. Bassler, 1938, p. 167. Bassler and Moodey, 1943, p. 669. Cuénot, 1948, p. 66. Webster, 1973, p. 234.  
*PERIECHOCRINITES* Ramsbottom, 1951b, p. 1041. Ramsbottom, 1954, p. 687. Webster, 1973, p. 234.  
Named, currently recognized species based on cups or crowns: 3 Silurian species, 1 Wenlockian 2 Niagaran  
Silurian, Wenlockian. Europe  
Silurian, Niagaran. United States

*Sagenocrinites americanus* (Springer, 1902). Bassler and Moodey, 1943, p. 670.  
Moore

and Laudon, 1943b, p. 137, Pl. 8, fig. 12. Moore and Laudon, 1944, p. 179, Pl. 54, fig. 11. Webster, 1973, p. 234.  
*Sagenocrinus americanus* Springer, 1902, p. 88, Unnum. Fig. Bassler, 1915, p. 1135. Springer, 1920a, p. 221, Pl. 19, fig. 5. Springer, 1926a, p. 68, Pl. 22, fig. 5. Bassler and Moodey, 1943, p. 670.  
Silurian, Niagaran, Waldron Shale. United States, Indiana

*Sagenocrinites clarki* (Springer, 1920). Bassler and Moodey, 1943, p. 670. Moore and Laudon, 1943b, p. 137, Pl. 8, fig. 11. Moore and Laudon, 1944, p. 179, Pl. 54, fig. 10. Webster, 1973, p. 234. Moore *in* Moore and Teichert, 1978, p. T798, Fig. 536, no. 1c. Webster, 1986, p. 278.

*Sagenocrinus clarki* Springer, 1920a, p. 220, Pl. 19, figs. 4a-4d. Bassler, 1915, p. 1135. Springer, 1926a, p. 68, Pl. 22, figs. 4-4a. Bassler and Moodey, 1943, p. 670.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

\**Sagenocrinites expansus* (Phillips *in* Murchinson, 1839). Austin and Austin, 1842, p. 110. Austin and Austin, 1843, p. 205. Bassler and Moodey, 1943, p. 670. Ubaghs, 1953, p. 755, Fig. 15, no. b. White, W. D. 1964, p. 98, Pl. 23, fig. 3. Webster, 1973, p. 234. Watkins and Hurst, 1977, p. 210, Figs. 4; 6, no. D. Webster, 1977, p. 151. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 95, no. 6. Moore *in* Moore and Teichert, 1978, p. T797, Figs. 535, no. 2; 536, nos. 1a-1b. Brett, 1984, p. 104, Fig. 11, no. D. Smith, A. B., 1985, p. 174, Pl. 7.4.42. Webster, 1988, p. 148. Donovan et al., 2007, p. 47, Fig. 10, no. C. Donovan et al., 2010, p. 115, Pls. 31, figs. 1-4; 32, figs. 1-2; Figs. 51, nos. A-B; 52, nos. A-C.  
*Sagenocrinitis expansus* (Phillips *in* Murchinson, 1839). Webster, 1986, p. 278.



- Actinocrinites? expansus* Phillips in Murchinson, 1839, p. 674, Pl. 17, fig. 9. Bronn, 1848, p. 14. Bassler, 1938, p. 167. Bassler and Moodey, 1943, p. 670.
- Actinocrinus expansus* (Phillips in Murchinson, 1839). Dujardin and Hupé, 1862, p. 139.
- Glyptocrinus expansus* (Phillips in Murchison, 1839), p. 247, Pl. 15, figs. 1-2. d'Orbigny, 1850, p. 46. Bigsby, 1868, p. 20. Salter, 1873, p. 122, Unnum. Fig. Bassler and Moodey, 1943, p. 670.
- Glyptocrinus? (Actinocrinites?) expansus* Phillips in Murchison, 1839. Murchison, 1859, p. 246, Pl. 15, figs. 1-2.
- Sagenocrinus expansus* (Phillips, 1839). Angelin, 1878, p. 8, Pl. 28, fig. 8. Dujardin and Hupé, 1862, p. 138. Springer, 1920a, p. 218, Pls. 18, figs. 1-9; 19, figs. 1-3. Abel, 1920, p. 257, Fig. 397. Abel, 1924, p. 269, Fig. 397. Bassler and Moodey, 1943, p. 670.
- Rhodocrinites verus* Miller, J. S., 1821, p. 107, Pl. 1, fig. 1-A (only). Bassler and Moodey, 1943, p. 670.
- Rhodocrinus verus* (Miller, 1821). Roemer in Bronn, 1852-1854, p. 241, Pl. 4, figs. 2a-2c. Bassler and Moodey, 1943, p. 670.
- Sagenocrinites giganteus* Austin and Austin, 1842, p. 110. Austin and Austin, 1843, p. 205. Bigsby, 1868, p. 23. Bassler and Moodey, 1943, p. 670.
- Siluria Silurian, Wenlockian, Much Wenlock Limestone Formation. United Kingdom; Sweden, Isle of Gotland

*Sagenocrinites giganteus* Austin and Austin, 1842 = *Sagenocrinites expansus*

*Sagenocrinites expansus* (Phillips in Murchinson, 1839) = *Sagenocrinites expansus*

Sagenocrinoidea fam. gen. et sp. indet. Webster et al., 2009, p. 673, Fig. 8, no. k. Permian, Sakmarian?, Mount Mark Formation. Canada, British Columbia, Vancouver Island

**SAGENOCRINUS** authors = **SAGENOCRINITES**

*Sagenocrinus americanus* Springer, 1902 = *Sagenocrinites americanus*

*Sagenocrinus clarki* Springer, 1920 = *Sagenocrinites clarki*

*Sagenocrinus expansus* (Phillips, 1839) = *Sagenocrinites expansus*

Sagenocrinitoid indet. Webster and Jell, 1999a, p. 274, Fig. 22, nos. A-B. Mississippian, late Tournaisian, Malchi Formation

**SALINOCRINUS** Ausich and Copper, 2010. \**Salinocrinus conus* Ausich and Copper, 2010.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae Ausich and Copper, 2010, p. 51.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species

Silurian, Llandoveryan. Canada, Quebec

\**Salinocrinus conus* Ausich and Copper, 2010, p. 51, Pl. 11, figs. 1-3. Fig. 8.3.  
Silurian, Llandoveryan, Chicotte Formation. Canada, Quebec, Anticosti Island

**SAMPSONOCRINUS** Miller and Gurley, 1895. \**S. hemisphericus* Miller and Gurley, 1895.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Miller and Gurley, 1895b, p. 51. Miller, S. A., 1897, p. 752. Bather *in* Lankester, 1900, p. 170. Bassler, 1938, p. 167. Bassler and Moodey, 1943, p. 266. Moore and Laudon, 1943b, p. 93. Webster, 1973, p. 234. Macurda, 1974, p. 821, Figs. 1-2. Bowsher *in* Moore and Teichert, 1978, p. T455 Webster, 1986, p. 278. Webster and Lane, 1987, p. 11. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 104. Webster and Jell, 1999a, p. 250.

Named, currently recognized species based on cups or crowns: 4 species. 3

Mississippian, 1 Tournaisian, 2 Viséan, 1 Pennsylvanian, Bashkirian  
Mississippian, Tournaisian – Viséan (late Kinderhookian – Osagean). United States  
Mississippian, late Tn3. United Kingdom  
Mississippian, Viséan?. Australia, Queensland

*Sampsonocrinus cannindahensis* Webster and Jell, 1999a, p. 252, Fig. 9, nos. A-E.  
Mississippian, Viséan?, Caswell Creek Group. Australia, Queensland

*Sampsonocrinus cheguigaensis* Webster et al., 2004, p. 26, Pls. 5, figs. 1-19; 6, figs. 1-15.  
Pennsylvanian, late Bashkirian, Oued el Hamar Formation. Algeria

*Sampsonocrinus? globosus* (Wachsmuth and Springer, 1897). Brower, 1965, p. 789.  
Webster, 1973, p. 234.

*Steganocrinus? globosus* Wachsmuth and Springer, 1897, p. 585, Pl. 51, fig. 6.  
Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 683. Kirk, 1943a, p. 261. Brower, 1965, p. 789. Webster, 1973, p. 234.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

\**Sampsonocrinus hemisphericus* Miller and Gurley, 1895b, p. 51, Pl. 3, figs. 7-10.  
Miller, S. A., 1897, p. 753, Figs. 1393-1394. Weller, S., 1898, p. 537. Peck and Keyte, 1938, p. 89, Pl. 27, figs. 1-4. Bassler, 1938, p. 167. Bassler and Moodey, 1943, p. 270. Brower, 1967, p. 678, Pl. 75, fig. 10; Fig. 2, nos. A-B. Webster, 1973, p. 234. Bowsher *in* Moore and Teichert, 1978, p. T455, Fig. 263, no. 3. Webster, 1986, p. 278.

*Actinocrinites hemisphericus* (Miller and Gurley, 1895). Bassler and Moodey, 1943, p. 270. Branson, E. B., 1944, p. 210, Pl. 38, figs. 1-4 (listed on plate explanation as *Sampsonocrinus hemisphericus*). Webster, 1973, p. 35.

Mississippian, Tournaisian (late Kinderhookian), Chouteau Limestone. United States, Missouri

*Sampsonocrinus loricatus* (Schlotheim); Wright, 1955 = *Thinocrinus loricatus*

*Sampsonocrinus westheadi* (Wright, 1947) = *Thinocrinus westheadi*

*Sampsonocrinus* sp. Webster and Lane, 1987, p. 16, Fig. 5, nos. 1-2. Webster, 1993, p. 104.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

**SARDINOCRINUS** Pabian and Strimple, 1985. \**Oklahomacrinus abruptus* Strimple, 1961.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Ampeocrinidae

Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 148.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States

\**Sardinocrinus abruptus* (Strimple, 1961). Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 148.

*Oklahomacrinus abruptus* Strimple, 1961g, p. 107, Pl. 13, figs. 1-2. Webster, 1973, p. 184. Pabian and Strimple, 1985, p. 51. Webster, 1988, p. 148.

Pennsylvanian, Desmoinesian, Holdenville Formation. United States, Oklahoma

**SAROCRINUS** Kirk, 1942. \**Potereiocrinus varsoviensis* Worthen, 1882.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinidae

Kirk, 1942a, p. 382. Bassler and Moodey, 1943, p. 670. Moore and Laudon, 1943b, p. 58. Arendt and Hecker, 1964, p. 89. Webster, 1973, p. 234. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T750. Webster, 1986, p. 278. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 104. Kammer and Ausich, 1994, p. 345.

Named, currently recognized species based on cups or crowns: 4 Mississippian, Viséan species

Mississippian, Viséan (Osagean - early Meramecian). United States

*Sarocrinus asperatus* (Worthen, 1882). Kammer and Ausich, 1994, p. 348, Figs. 5.1-5.3.

*Potereiocrinus asperatus* Worthen, 1882, p. 12. Worthen, 1883, p. 280, Pl. 28, fig. 2. Miller, S. A., 1889, p. 273. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1994, p. 348.

*Pachyocrinus asperatus* (Worthen, 1882). Springer, 1911c, p. 147. Bassler and Moodey, 1943, p. 578. Kammer and Ausich, 1994, p. 348.

*Woodocrinus asperatus* (Worthen, 1882). Weller, S., 1898c, p. 640. Kammer and Ausich, 1994, p. 348.

Mississippian, Viséan (late Osagean), lower part of Warsaw Formation. United States, Iowa

- Sarocrinus carinatus* Kirk, 1942a, p. 383, Pl. 58, figs. 1-7. Bassler and Moodey, 1943, p. 670.  
Mississippian, Viséan (Osagean), Burlington-Keokuk transition beds. United States, Iowa
- Sarocrinus granilineus* (Miller and Gurley, 1890) = *Sarocrinus varsoviensis*
- Sarocrinus?* *keokuk* (Worthen, 1882) = *Eratocrinus coxanus*
- Sarocrinus kirki* Kammer and Ausich, 1994, p. 348, Figs. 5.18-5.19.  
*Poteriocrinus burketi* Worthen, 1882 (part), p. 5. Worthen, 1883, p. 270, Pl. 28, fig. 8a, only. Kammer and Ausich, 1992, p. 348.  
Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Iowa, Illinois
- Sarocrinus nitidus* Kirk, 1942 = *Sarocrinus varsoviensis*
- Sarocrinus plenus* Kirk, 1942 = *Sarocrinus varsoviensis*
- Sarocrinus pocillum* (Miller, 1891) = *Sarocrinus varsoviensis*
- Sarocrinus tentaculatus* (Worthen, 1882) = *Sarocrinus varsoviensis*
- \**Sarocrinus varsoviensis* (Worthen, 1882). Kammer and Ausich, 1994, p. 347, figs. 5.4-5.17. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 11 (misspelled as *S. varsaviensis* on figure explanation). Kammer, 2008, p. 187, Fig. 9.5.  
*Poteriocrinus varsoviensis* Worthen, 1882, p. 19. Worthen, 1883, p. 290, Pl. 28, fig. 15. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 550. Bassler and Moodey, 1943, p. 584. Kammer and Ausich, 1994, p. 347.  
*Pachylocrinus varsoviensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 584. Kammer and Ausich, 1994, p. 347.  
*Scaphiocrinus varsoviensis* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 236 (160). Miller, S. A., 1889, p. 281. Weller, S., 1898c, p. 550. Bassler and Moodey, 1943, p. 584. Kammer and Ausich, 1994, p. 347.  
*Sarocrinus granilineus* (Miller and Gurley, 1890). Kirk, 1942a, p. 382. Bassler and Moodey, 1943, p. 670. Van Sant in Van Sant and Lane, 1964, p. 98, Pl. 5, fig. 1. Webster, 1973, p. 234. Kammer and Ausich, 1994, p. 347.  
*Poteriocrinus granilineus* Miller and Gurley, 1890a, p. 22, Pl. 4, fig. 7. Miller and Gurley, 1890b, p. 22, Pl. 4, fig. 7. Miller and Gurley, 1891, p. 343, Pl. 4, fig. 7 (author's ed. p. 22). Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 670. Kammer and Ausich, 1994, p. 347.  
*Poteriocrinus tenuidactylus* Worthen, 1882 (part), p. 10. Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 546. Bassler and Moodey, 1943, p. 671. Kammer and Ausich, 1994, p. 347.  
*Poteriocrinus* (*Scaphiocrinus*) *tenuidactylus* Worthen, 1882. Shumard, 1868, p. 393.  
*Poteriocrinus tentaculatus* Worthen, 1883, p. 277, Pl. 28, fig. 11. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 671. Kammer and Ausich, 1994, p. 347.

*Sarocrinus tentaculatus* (Worthen, 1883). Kirk, 1942a, p. 384, Pl. 58, fig. 21.

Bassler and Moodey, 1943, p. 671. Kammer and Ausich, 1994, p. 347.

*Woodocrinus tentaculatus* (Worthen, 1883). Wachsmuth and Springer, 1886, p.

242 (166). Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 671.

Kammer and Ausich, 1994, p. 347.

*Sarocrinus pocillum* (Miller, 1891). Kirk, 1942a, p. 383. Bassler and Moodey, 1943, p. 670. Kammer and Ausich, 1994, p. 347.

*Zeacrinus pocillum* Miller, S. A., 1891b, p. 28, Pl. 4, figs. 1-2. Miller, S. A., 1892a, p.

683. Weller, S., 1898c, p. 641. Bassler and Moodey, 1943, p. 670. Kammer and

Ausich, 1994, p. 347.

*Zeacrinites pocillum* (Miller, 1891). Bassler and Moodey, 1943, p. 728.

*Woodocrinus pocillum* (Miller, 1891). Keyes, 1894a, p. 214. Weller, S., 1898c, p.

641. Kammer and Ausich, 1994, p. 347.

\**Sarocrinus nitidus* Kirk, 1942a, p. 385, Pl. 58, figs. 11-20. Bassler and Moodey, 1943, p. 670. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T750, Fig. 496, no. 3. Webster, 1986, p. 278. Kammer and Ausich, 1994, p. 347.

*Sarocrinus plenus* Kirk, 1942a, p. 386, Pl. 58, fig. 8. Bassler and Moodey, 1943, p.

670. Van Sant *in* Van Sant and Lane, 1964, p. 99. Webster, 1973, p. 234.

Kammer and Ausich, 1994, p. 347.

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation, lower and upper parts of Warsaw Formation; Harrodsburg Limestone; Muldraugh Member, Borden Formation. United States, Indiana, Illinois, Missouri, Kentucky

*Sarocrinus* sp. Lane, N. G., 1986, p. 156, Figs. 2, 5, 7. Webster, 1993, p. 104.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana

**SCAMMATOCRINUS** Burdick and Strimple, 1983. \**S. delicatus* Burdick and Strimple, 1983.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Burdick and Strimple, 1983a, p. 130. Webster, 1988, p. 148. Lane and Sevastopulo,

1990, p. 335. Webster, 1993, p. 104.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

\**Scammatocrinus delicatus* Burdick and Strimple, 1983a, p. 132, Pl. 2, figs. 12, 14, 16-17. Webster, 1988, p. 148.

Mississippian, Serpukhovian (Chesterian), lower part of Pitkin Formation. United States, Oklahoma

*Scammatocrinus watersi* Burdick and Strimple, 1983a, p. 134, Pl. 2, figs. 10, 15.

Webster, 1988, p. 148.

Mississippian, Serpukhovian (Chesterian), Pennington Formation. United States, Alabama

**SCAPANOCRINUS** Eckert and Brett, 2001. \**Scapanocrinus muricatus* Eckert and Brett, 2001.

Sbcl. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Sagenocrinitidae  
Eckert and Brett, 2001, p. 61.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species

Silurian, middle Llandoveryian. United States, New York

\**Scapanocrinus muricatus* Eckert and Brett, 2001, p. 62, Pl. 8, figs. 1, 7, 12-14, 16-18;  
Fig. 26, nos. A-D.

Silurian, middle Llandoveryian, Wolcott Limestone. United States, New York

SCAPHIOCRINUS Hall, 1858 = **GRAPHIOCRINUS**

SCAPHIOCRINUS Meek and Worthen, 1866 = **PACHYLOCRINUS**

*Scaphiocrinus abnormis* Worthen, 1875 = *Poteriocrinus (Scytalocrinus) abnormis* =  
*Scytalocrinus abnormis*

*Scaphiocrinus (Poteriocrinus) aegina* (Hall, 1863) = *Decadocrinus aegina*

*Scaphiocrinus aequalis* Hall, 1861 = *Poteriocrinus (Scaphiocrinus) aequalis* =  
*Pachylocrinus aequalis*

*Scaphiocrinus aequalis* Weller, 1898 (non Hall, 1861) = *Pelecocrinus aequalis*

*Scaphiocrinus arboreus* (Worthen, 1873) = *Pachylocrinus arboreus* = *Linocrinus*  
*arboreus*

*Scaphiocrinus arrosus* Miller and Gurley, 1894 = *Pachylocrinus arrosus* = *Hylodecrinus*  
*briareus*

*Scaphiocrinus bayensis* (Meek and Worthen, 1865) = *Decadocrinus bayensis* =  
*Aphelecrinus bayensis*

*Scaphiocrinus bellus* Miller and Gurley, 1890 = *Pachylocrinus bellus* = *Decadocrinus*  
*bellus* = *Aulocrinus bellus*

*Scaphiocrinus bonoensis* Miller and Gurley, 1890 = *Pachylocrinus bonoensis* =  
*Hylodecrinus bonoensis*

*Scaphiocrinus boonvillensis* Miller, 1891 = *Pachylocrinus boonvillensis* = *Hylodecrinus*  
*boonvillensis* = *Hylodecrinus briareus*

*Scaphiocrinus? boonvillensis* Miller, 1891 = *Hylodecrinus boonvillensis* = *Hylodecrinus*  
*briareus*

*Scaphiocrinus briareus* Worthen, 1882 = *Pachylocrinus briareus* = *Hylodecrinus briareus*

*Scaphiocrinus burketi* (Worthen, 1882) = *Poteriocrinites burketi*

*Scaphiocrinus calyculus* Hall, 1872 = *Hypselocrinus calyculus*

*Scaphiocrinus carbonarius* (Meek and Worthen, 1861) = *Apographiocrinus carbonarius*

*Scaphiocrinus carinatus* Hall, 1861 = *Poteriocrinus (Scaphiocrinus) carinatus* = *Pachylocrinus carinatus*

*Scaphiocrinus clio* (Meek and Worthen, 1870) = *Pachylocrinus clio*

*Scaphiocrinus constrictus* Miller, 1891 = *Pachylocrinus constrictus* = *Hylodecrinus briareus*

*Scaphiocrinus coreyi* (Meek and Worthen), 1870 = *Abrotocrinus coreyi*

*Scaphiocrinus corycia* (Hall, 1863) = *Pachylocrinus corycia*

*Scaphiocrinus coxanus* (Worthen, 1882) = *Cydrocrinus concinnus*

*Scaphiocrinus crineus* Wolf, 1979 = *Aphelecrinus crineus*

*Scaphiocrinus cultidactylus* (Hall, 1861) = *Blothrocrinus cultidactylus*

*Scaphiocrinus cuneatus* (Quenstedt, 1876) = *Poteriocrinites cuneatus*

*Scaphiocrinus dactyliformis* (Hall, 1858) = *Phacelocrinus dactyliformis*

*Scaphiocrinus decabrachiatus* (Hall, 1858) = *Phacelocrinus decabrachiatus*

*Scaphiocrinus decadactylus* (Meek and Worthen, 1860) = *Scytalocrinus decadactylus*

*Scaphiocrinus delicatus* (Meek and Worthen, 1870) = *Aphelecrinus delicatus*

*Scaphiocrinus depressus* Meek and Worthen, 1870 = *Decadocrinus depressus* = *\*Lanecrinus depressus*

*Scaphiocrinus depressus* Mansuy, 1912 = *Graphiocrinus depressus*

*Scaphiocrinus dichotomus* (Hall, 1858) = *Pachylocrinus dichotomus*

*Scaphiocrinus disparilis* Miller and Gurley, 1890 = *Scytalocrinus disparilis*

*Scaphiocrinus divaricatus* Hall, 1859 = *\*Lekocrinus divaricatus*

*Scaphiocrinus doris* Hall, 1861 = *Poteriocrinus doris* = *Poteriocrinites doris* =  
*Springericrinus doris*

*Scaphiocrinus elegans* Wachsmuth and Springer, 1897 = *Culmicrinus elegans* =  
*Culmicrinus vagulus*

*Scaphiocrinus elegantulus* Wachsmuth and Springer, 1889 = *Cosmetocrinus*  
*elegantulus* = *Aphelecrinus elegantulus*

*Scaphiocrinus extensus* Wachsmuth and Springer, 1886 = *Pachylocrinus extensus* =  
*Pachylocrinus asper* = *Linocrinus asper*

*Scaphiocrinus fiscellus* (Meek and Worthen, 1870) = *Pelecocrinus fiscellus*

*Scaphiocrinus gibsoni* White, 1878 = *Hylodecrinus gibsoni*

*Scaphiocrinus glaber* Ivanov, 1926, p. 176. Bassler and Moodey, 1943, p. 671.  
Carboniferous. Russia, Moscow area

*Scaphiocrinus globosus* Wachsmuth and Springer, 1889 = *Pachylocrinus globosus*

*Scaphiocrinus gorbyi* Miller, 1891 = *Pachylocrinus gorbyi* = *Lanecrinus repertus*

*Scaphiocrinus granuliferus* Miller and Gurley, 1890 = *Pachylocrinus granuliferus* =  
*Ramulocrinus granuliferus* = *Decadocrinus depressus* = *Lanecrinus depressus*

*Scaphiocrinus graphicus* Miller and Gurley, 1890 = *Histocrinus graphicus*

*Scaphiocrinus gurleyi* White, 1878 = *Pachylocrinus gurleyi* = *Pachylocrinus aequalis*

*Scaphiocrinus halli* Hall, 1861 = *Decadocrinus halli* = *Ramulocrinus halli* = *Lanecrinus*  
*halli*

*Scaphiocrinus?* *hemisphericus* Meek, 1872 = *Poteriocrinites* (*Scaphiocrinus*)  
*hemisphericus* = *Delocrinus hemisphericus*

*Scaphiocrinus hoveyi* (Hall, 1861) = *Barycrinus hoveyi* = *Barycrinus rhombiferus*

*Scaphiocrinus huntsvillae* Worthen, 1873 = *Dinotocrinus huntsvillae*

*Scaphiocrinus?* *inordinatus* Whidborne, 1898 = Family and genus indet. Lane, Maples,  
and Waters, 2001

*Scaphiocrinus internodius* (Hall, 1858) = *Phacelocrinus internodius*

*Scaphiocrinus iowensis* (Worthen, 1882) = *Poteriocrinus iowensis*



*Scaphiocrinus juvenis* (Meek and Worthen, 1870) = *Decadocrinus juvenis* = *Histocrinus juvenis*

*Scaphiocrinus kaskaskiensis* (Worthen, 1882) = *Ampelocrinus kaskaskiensis*

*Scaphiocrinus keokuk* (Hall, 1859) = *Poteriocrinus keokuk* = *Ulrichocrinus?* *keokuk*

*Scaphiocrinus kirkanus* Girty, 1928 = *Pachylocrinus kirkanus*

*Scaphiocrinus lacunosus* Miller and Gurley, 1890 = *Pachylocrinus lacunosus* = *Hylodecrinus briareus*

*Scaphiocrinus latidactylus* (Worthen, 1882) = *Dinotocrinus latidactylus*

*Scaphiocrinus latifrons* (Austin and Austin, 1847) = *Pachylocrinus latifrons* = *Mendipocrinus latifrons*

*Scaphiocrinus liliiformis* (Meek and Worthen, 1869) = *Pachylocrinus liliiformis*

*Scaphiocrinus liriopae* (Hall, 1863) = *Decadocrinus liriopae*

*Scaphiocrinus longidactylus* McChesney, 1860 = *Phacelocrinus longidactylus* = *Blothrocrinua longidactylus*<sup>8</sup>

*Scaphiocrinus?* *longitentaculatus* Rowley, 1901 = *Pachylocrinus longitentaculatus* = *Ampelocrinus longitentaculatus*

*Scaphiocrinus lyoni* Miller, 1892 = *Pachylocrinus coreyi* = *Abrotocrinus coreyi*

*Scaphiocrinus liriopae* (Hall, 1863) = *Decadocrinus liriopae*

*Scaphiocrinua* (*Poteriocrinus*) *liriopae* (Hall, 1863) = *Decadocrinus liriopae*

*Scaphiocrinus macadamsi* (Meek and Worthen, 1873) = *Parascytolecrinus hamiltonensis* = *Graphiocrinus macadamsi*

*Scaphiocrinus macrodactylus* (Meek and Worthen, 1870) = *Hypselocrinus macrodactylus*

*Scaphiocrinus maniformis* Miller, 1892 = *Decadocrinus maniformis* = *Lanecrinus depressus*

*Scaphiocrinus manus* Miller and Gurley, 1891 = *Pachylocrinus manus* = *Abrotocrinus manus*

*Scaphiocrinus martinensis* Miller and Gurley, 1894 = *Pachylocrinus martinensis*

- Scaphiocrinus mcadamsi* (Meek and Worthen, 1873) = *Scaphiocrinus hamiltonensis*
- Scaphiocrinus mcadamsi* (Meek and Worthen, 1873) = *Graphiocrinus mcadamsi*
- Scaphiocrinus missouriensis* Keyes, 1894 = *Culmicrinus missouriensis*
- Scaphiocrinus montanensis* (Meek, 1873) = *Pachylocrinus montanensis*
- Scaphiocrinus multiplex* (Trautschold, 1867) = *Moscovicrinus multiplex*
- Scaphiocrinus nanus* (Meek and Worthen, 1870) = *Cosmetocrinus nanus* =  
*Aphelecrinus meeki*
- Scaphiocrinus nauvoensis* (Worthen, 1882) = *Pachylocrinus nauvoensis* =  
*Hylodecrinus nauvoensis* = *Hylodecrinus gibsoni*
- Scaphiocrinus nodobrachiatus* Hall, 1861 = *Poteriocrinites nodobrachiatus* =  
*Poteriocrinus nodobrachiatus* = *Holcocrinus nodobrachiatus*
- Scaphiocrinus notabilis* Meek and Worthen, 1870 = *Poteriocrinites notabilis*
- Scaphiocrinus notatus* Miller and Gurley, 1896 = *Philocrinus notatus* = *Graphiocrinus notatus* = *Nactocrinus notatus*
- Scaphiocrinus obscurus* Wachsmuth and Springer, 1886 = *Pachylocrinus obscurus* =  
*Armenocrinus tenuidactylus*
- Scaphiocrinus occidentalis* Wachsmuth and Springer, 1886 = *Abrotocrinus occidentalis*
- Scaphiocrinus okawensis* (Worthen, 1882) = *Aphelecrinus okawensis*
- Scaphiocrinus orbicularis* Hall, 1861 = *Eupachyocrinus orbicularis* = *Eratocrinus orbicularis* = *Cromyocrinus orbicularis*
- Scaphiocrinus orestes* Wachsmuth and Springer, 1886 = *Abrotocrinus orestes* = *A. coreyi*
- Scaphiocrinus penicillus* (Meek and Worthen, 1870) = *Linocrinus penicillus*
- Scaphiocrinus pikensis* (Worthen, 1882) = *Eratocrinus pikensis*
- Scaphiocrinus? plumifer* Whidborne, 1899 = *Hydriocrinus plumifer* = *Pachylocrinus? plumifer*
- Scaphiocrinus popensis* (Worthen, 1882) = *Fifeocrinus popensis* = *Aphelecrinus popensis*

*Scaphiocrinus porrectus* Miller, 1892 = *Pachylocrinus porrectus* = *Scytalocrinus robustus*

*Scaphiocrinus praemorsus* Miller and Gurley, 1890 = *Linocrinus praemorsus*

*Scaphiocrinus proboscidualis* (Worthen, 1875) = *Rhopocrinus proboscidualis*

*Scaphiocrinus propinquus* Worthen, 1882 = *Pachylocrinus propinquus*

cf. *Scaphiocrinus propinquus* (Worthen, 1882) = *Fifeocrinus* cf. *F. propinquus*

*Scaphiocrinus ramulosus* Hall, 1861 = *Pachylocrinus ramulosus*

*Scaphiocrinus randolphensis* (Worthen, 1873) = *Aphelecrinus randolphensis*

*Scaphiocrinus repertus* Miller and Gurley, 1890 = *Pachylocrinus repertus* =  
*Decadocrinus repertus* = *Ramulocrinus repertus* = *Lanecrinus repertus*

*Scaphiocrinus robustus* Hall, 1861 = *Prininocrinus robustus* = *Scytalocrinus robustus*

*Scaphiocrinus rudis* Meek and Worthen, 1873 = *Ramulocrinus rudis*

*Scaphiocrinus rusticellus* White, 1863 = *Abrotocrinus rusticellus* = *Ascetocrinus rusticellus*

*Scaphiocrinus salebrosus* Whidborne, 1899 = *Hydriocrinus salebrosus* = *Glossocrinus?*  
*salebrosus*

*Scaphiocrinus salteri* Wachsmuth and Springer, 1886 = *Dinotocrinus salteri*

*Scaphiocrinus sampsoni* Miller, 1891 = *Pachylocrinus sampsoni*

*Scaphiocrinus scalaris* (Meek and Worthen, 1870) = *Decadocrinus scalaris*

*Scaphiocrinus scoparius* Hall, 1858 = *Pachylocrinus scoparius* = *Aphelecrinus scoparius*

*Scaphiocrinus sculptus* (Worthen, 1882) = *Abrotocrinus sculptus*

*Scaphiocrinus simplex* Hall, 1858 = *Graphiocrinus simplex*

*Scaphiocrinus spinifer* Wetherby, 1880 = *Dasciocrinus spinifer* = *D. florialis*

*Scaphiocrinus spinobrachiatus* Hall, 1861 = *Holcocrinus spinobrachiatus*

*Scaphiocrinus spinobrachiatus* Worthen, 1882 (non Hall, 1861) = *Pachylocrinus spinobrachiatus*

- Scaphiocrinus spinosus* (Owen and Shumard, 1852) = *Dasciocrinus floralis*
- Scaphiocrinus striatus* (Meek and Worthen, 1870) = *Acylocrinus striatus*
- Scaphiocrinus subcarinatus* Hall, 1864 = *Pachylocrinus subcarinatus*
- Scaphiocrinus subimpressus* (Meek and Worthen, 1861) = *Graphiocrinus subimpressus*
- Scaphiocrinus subtortuosus* Hall, 1863 = *Decadocrinus subtortuosus* = *Pachylocrinus subtortuosus*
- Scaphiocrinus swallowi* (Meek and Worthen, 1860) = *Blothrocrinus swallowi*
- Scaphiocrinus tenuidactylus* (Meek and Worthen, 1865) = *Pelecocrinus tenuidactylus*
- Scaphiocrinus tethys* (Meek and Worthen, 1870) = *Hypselocrinus tethys*
- Scaphiocrinus tortuosus* Hall, 1861 = *Graphiocrinus tortuosus* = *Acylocrinus tortuosus*
- Scaphiocrinus transcisus* Whidborne, 1899 = *Hydriocrinus transcisus* = *Poteriocrinites transcisus*
- Scaphiocrinus tuberculatus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 672.  
Carboniferous. Russia, Moscow Basin
- Scaphiocrinus unicus* Hall, 1861 = *Poteriocrinus (Scaphiocrinus) unicus* = *Abrotocrinus cymosus*
- Scaphiocrinus varsoviensis* (Worthen, 1882) = *Pachylocrinus varsoviensis* = *Sarocrinus varsoviensis*
- Scaphiocrinus venustus* (Worthen, 1861) = *Pachylocrinus venustus* = *Aphelecrinus venustus*
- Scaphiocrinus wachsmuthi* (Meek and Worthen, 1861) = *Holcocrinus wachsmuthi*
- Scaphiocrinus? washburni* Beede, 1900 = *Pachylocrinus washburni* = *Haeretocrinus washburni*
- Scaphiocrinus whitei* Hall, 1861 = *Poteriocrinus whitei* = *Ascetocrinus whitei*
- Scaphiocrinus* sp. Whidborne, 1898 = *Aphelecrinus?* sp.
- Scaphiocrinus* spp.  
Girty, 1899, p. 516.

Mississippian, Tournaisian, Madison Group. United States, Wyoming  
 Wood, 1909. Ausich, 2009a, p. 486, suppl. p. 43.  
 Devonian?. United States, Tennessee

*Scaphiocrinus?* sp. Girty, 1915a, p. 34.

Pennsylvanian, Desmoinesian, Wewoka Formation. United States, Oklahoma

**SCHEDAGLAOPOLYGONUM** Moore, 1939. *Nomen vetitum* \**S. corrugatum* Moore, 1939.

Moore, 1939b, p. 233. Webster, 1977, p. 151. Jeffords *in* Moore and Teichert, 1978, p. T937. (basals)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian - Missourian species

Pennsylvanian, Desmoinesian - Missourian. United States, Kansas

\**Schedaglaopolygonum corrugatum* Moore, 1939b, p. 233, Pl. 3, figs. 9a-9b.

Devonshire, 1954, Pl. 2, fig. 23. Devonshire, 1955, Pl. 2, fig. 23. Webster, 1977, p. 151. (basal)

Pennsylvanian, Desmoinesian - Missourian, Pumpkin Creek Limestone; Checkerboard? Limestone. United States, Kansas

**SCHEDEXOCRINUS** Strimple, 1961. \**S. gibberellus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Strimple, 1961g, p. 27. Knapp, 1969, p. 374. Strimple and Watkins, 1969, p. 203.

Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 235. Webster, 1977, p. 152.

Moore and Strimple *in* Moore and Teichert, 1978, p. T732. Webster, 1986, p. 279.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Desmoinesian species

Pennsylvanian, Desmoinesian. United States

\**Schedexocrinus gibberellus* Strimple, 1961g, p. 29, Pls. 2, figs. 1-3; 9, figs. 3-5; 11, figs. 3-4; 17, figs. 4-6; 19, fig. 6; Figs. 13, nos. i-j; 14, nos. a-b; 15. Branson, C.

C., 1962, p. 162, Fig. 1. Knapp, 1969, p. 374. Webster, 1973, p. 235. Webster, 1977, p. 152. Moore and Strimple, 1978, p. T732, Fig. 482, no. 2. Webster,

1986,

p. 279.

Pennsylvanian, Desmoinesian, Holdenville Formation. United States, Oklahoma

*Schedexocrinus* spp.

Webster and Lane, 1967, p. 30, Pls. 4, fig. 8; 8, fig. 8. Webster, 1973, p. 235.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Webster and Lane, 1970, p. 286, Pl. 56, fig. 18. Webster, 1977, p. 152.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*SCHISTOCRINUS* Moore and Plummer, 1940 = **SCIADIOCRINUS**

*Schistocrinus acclivis* Strimple and Watkins, 1969 = *Sciadiocrinus acclivis*

*Schistocrinus azygous* (Strimple, 1949) = *Anobasicrinus azygous*

*Schistocrinus confertus* Moore and Plummer, 1940 = *Sciadiocrinus confertus*

*Schistocrinus kansasensis* (Weller, 1898) = *Sciadiocrinus kansasensis*

*Schistocrinus ovalis* Strimple, 1951 = *Sciadiocrinus ovalis*

*Schistocrinus parvus* Moore and Plummer, 1940 = *Sciadiocrinus parvus*

*Schistocrinus planulatus* Moore and Plummer, 1940 = *Sciadiocrinus planulatus*

*Schistocrinus torquatus* Moore and Plummer, 1940 = *Sciadiocrinus torquatus*

*Schistocrinus* sp. aff. \**S. torquatus* Moore and Plummer, 1940 = *Sciadiocrinus* sp. aff. *S. torquatus*

*Schistocrinus* sp. Pabian and Strimple, 1978 = *Sciadiocrinus* sp.

**SCHIZOCRINUS** Hall, 1847. \**S. nodosus* Hall, 1847.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Hall, 1847b, p. 81. d'Orbigny, 1849-51, p. 143. Emmons, 1855, p. 224. Pictet, 1857,

p. 328. Dujardin and Hupé, 1862, p. 149. Shumard, 1868, p. 396. Bigsby, 1868, p. 23. Zittel, 1880, p. 345, 371. Wachsmuth and Springer, 1881, p. 220 (394).

Quenstedt, 1885, p. 959. Miller, S. A., 1889, p. 281. Bather *in* Lankester, 1900, p.

161. Bassler, 1915, p. 1145. Bassler, 1938, p. 168. Bassler and Moodey, 1943, p. 672. Ubaghs, 1953, p. 741. Webster, 1973, p. 235. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 2 Ordovician species, 1 Sandbian – Katian, 1 Katian

Ordovician, Sandbian - Katian (late Champlainian). United States

*Schizocrinus nodatus* (Hall, 1847) = *Schizocrinus nodosus*

\**Schizocrinus nodosus* Hall, 1847b, p. 81, Pl. 27, figs. 1a-1b. Hall, 1851a, p. 208, Pl. 25, figs. 2a-2c. Emmons, 1855, p. 224. Dujardin and Hupé, 1862, p. 149.

Shumard, 1868, p. 396. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 281, Fig. 427. Lesley, 1889, p. 935. Bassler, 1915, p. 1145. Ockerman, 1926, p. 113, Pl. 1, fig. 7. Bassler and Moodey, 1943, p. 672. Wilson, A. E., 1946, p. 29. Welby, 1962, p. 37, Pl. 14, figs. 25-26; Fig. 19. Webster, 1973, p. 235.

*Scyphocrinus nodosus* (Hall, 1847). d'Orbigny, 1849, p. 21. d'Orbigny, 1850, p. 24. Bassler, 1915, p. 1145.

*Schizocrinus nodatus* (Hall, 1847). Hitchcock, 1862, p. 291. Bassler, 1915, p. 1145. Ordovician, Sandbian – Katian (late Champlainian), Trenton Limestone; Platteville Limestone; Glen Falls Limestone. United States, New York, Wisconsin

*Schizocrinus striatus* Hall, 1847b, p. 316, Pl. 28, figs. 4a-4c. Dujardin and Hupé, 1862, p. 149. Bigsby, 1868, p. 23. Miller, S. A., 1889, p. 281. Bassler, 1915, p. 1145. Bassler and Moodey, 1943, p. 672.

*Scyphocrinus striatus* (Hall, 1847). d'Orbigny, 1849, p. 24. d'Orbigny, 1850, p. 24. Bassler, 1915, p. 1145.

Ordovician, Katian (late Champlainian), Trenton Limestone. United States, New York, Vermont

**SCHMIDTOCRINUS** Haarmann, 1921. \**Rhenocrinus winterfeldi* Jaekel, 1906.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Botryocrinidae

Haarmann, 1921, p. 33. Bassler, 1938, p. 168. Bassler and Moodey, 1943, p. 673.

Moore and Laudon, 1943b, p. 54. Webster, 1973, p. 235. Moore and Lane in Moore and Teichert, 1978, p. T616. Webster, 1986, p. 279. McIntosh, 2001, p. 800. Webster et al., 2003, p. 14.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, Eifelian. Germany

\**Schmidocrinus winterfeldi* (Schmidt, 1906). Haarmann, 1921, p. 34, Pl. 1, fig. 4.

Bassler and Moodey, 1943, p. 673. Moore and Lane in Moore and Teichert, 1978, p. T616, Fig. 400, no. 5. Webster, 1986, p. 279.

**Note.** Authorship often incorrectly ascribed to Jaekel.

*Rhenocrinus winterfeldi* Schmidt, 1906, p. 544, Fig. 2. Bassler, 1938, p. 168.

Bassler and Moodey, 1943, p. 673.

Devonian, Eifelian, Lenneschiefer. Germany

**SCHULTZICRINUS** Springer, 1911. \**S. typus* Springer, 1911.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae

Springer, 1911c, p. 132. Springer in Zittel, 1913, p. 219. Bassler, 1938, p. 168.

Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 154. Ubaghs, 1953, p. 750. Webster, 1973, p. 236. Lane and Moore in Moore and Teichert, 1978, p. T588. Webster, 1986, p. 279. Seilacher and MacClintock, 2005, p. 227, Fig. 4, no. E.

Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species

Devonian, Emsian. United States

*Schultzicrinus? elongatus* Springer, 1911c, p. 133, Pl. 3, figs. 7a-7e. Goldring, 1923, p. 352, Pl. 44, figs. 8-10. Bassler and Moodey, 1943, p. 673.

Devonian, Emsian, Onondaga Limestone. United States, New York

\**Schultzicrinus typus* Springer, 1911c, p. 132, Pl. 3, figs. 1-6. Goldring, 1923, p. 351, Pl. 44, figs. 1-7. Bassler, 1938, p. 168. Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 12. Moore and Laudon, 1944, p. 154, Pl. 57, figs. 5-6. Webster, 1973, p. 236. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Fig. 376, no. 2. Webster, 1986, p. 280. Devonian, Emsian, Onondaga Limestone. United States, New York

**SCIADIOCRINUS** Moore and Plummer, 1938. \**Zeacrinus (Hydreionocrinus) acanthophorus* Meek and Worthen, 1870.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Moore and Plummer, 1938, p. 275. Bassler, 1938, p. 168. Moore and Plummer, 1940, p. 228. Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 165. Knapp, 1969, p. 377, Fig. 2. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 20. Moore and Strimple, 1973, p. 75. Strimple and Cocke, 1973, p. 152. Webster, 1973, p. 236. Pabian and Strimple, 1974a, p. 284. Pabian and Strimple, 1974b, p. 6. Webster, 1977, p. 152. Moore and Strimple *in* Moore and Teichert, 1978, p. T732. Pabian and Strimple, 1980a, p. 183. Pabian and Strimple, 1985, p. 56. Bowsher and Strimple, 1986, p. 18. Webster, 1986, p. 280. Webster, 1988, p. 148. Pabian *et al.*, 1989, p. 300, Fig. 5, no. 8. Lewis and Strimple, 1990, p. 295. Webster, 1993, p. 105. Webster and Houck, 1998, p. 1065. Pabian and Rushlau, 2002, p. 28.

**SCHISTOCRINUS** Moore and Plummer, 1940, p. 217. \**S. torquatus* Moore and Plummer, 1940. Bassler and Moodey, 1943, p. 672. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 165. Knapp, 1969, p. 379. Strimple, 1969c, p. 9. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 22. Webster, 1973, p. 235. Webster, 1977, p. 152. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667. Webster, 1986, p. 279. Lewis and Strimple, 1990, p. 295. Webster, 1993, p. 105.

Named, currently recognized species based on cups or crowns: 23 Pennsylvanian species, 2 Morrowan, 4 Atokan, 3 Atokan – Desmoinesian, 4 Desmoinesian, 2 Desmoinesian – Missourian, 5 Missourian, 1 Missourian – Virgilian, 1 Virgilian, 1 Late Pennsylvanian, series undesignated

Pennsylvanian, Morrowan - Virgilian. North America

*Sciadiocrinus abolitus* Strimple and Cocke, 1973, p. 152, Pl. 21, figs. 1-3. Webster, 1977, p. 152. Pabian and Rushlau, 2002, p. 28.

Pennsylvanian, Missourian, Winterset Limestone. United States, Oklahoma

\**Sciadiocrinus acanthophorus* (Meek and Worthen, 1870). Moore and Plummer, 1938, p. 275, Fig. 23. Moore and Plummer, 1940, p. 229, Fig. 50. Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1944, p. 165, Pls. 62, fig. 11; 64, fig. 1. Knapp, 1969, p. 377, Fig. 39. Webster, 1973, p. 236. Pabian and Strimple, 1974b, p. 7, Fig. 1, nos. 3, 4. Webster, 1977, p. 152. Moore and Strimple *in* Moore and Teichert, 1978, p. T732, Fig. 484, nos. 1a-1f. Webster, 1986, p. 280. Lewis and Strimple, 1990, p. 297, Figs. 1, nos. 1-6; 2. Webster, 1993, p. 105. Pabian and Rushlau, 2002, p. 28.

*Zeacrinus (Hydreionocrinus?) acanthophorus* Meek and Worthen, 1870b, p. 28.



- Meek and Worthen, 1873, p. 563, Pl. 24, fig. 11. Meek, 1874, p. 485. Lesley, 1889, p. 1281, Figs. 11a-11g. Weller, S., 1898c, p. 309. Bassler, 1938, p. 168. Bassler and Moodey, 1943, p. 673.
- Zeacrinus acanthophorus* Meek and Worthen, 1870. Miller, S. A., 1889, p. 288.
- Hydreionocrinus acanthophorus* (Meek and Worthen, 1870). Keyes, 1894a, p. 215, Pl. 26, fig. 6. Weller, S., 1898c, p. 309. Bassler and Moodey, 1943, p. 673.
- Hydreionocrinus? acanthophorus* (Meek and Worthen, 1870). Meek, 1874, p. 485. Miller, S. A., 1889, p. 256.
- Pennsylvanian, Missourian - Virgilian, middle part of Nodaway Limestone; Seville Limestone or Oak Grove Limestone; Cass? (Haskell) Limestone. United States, Illinois, Missouri, Nebraska
- Sciadiocrinus acclivis* (Strimple and Watkins, 1969). New Combination
- Schistocrinus acclivis* Strimple and Watkins, 1969, p. 215, Pl. 50, figs. 2-4. Webster, 1977, p. 152.
- Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas
- Sciadiocrinus brewi* Webster and Lane, 1970 = *Eirmocrinus brewi*
- Sciadiocrinus cascus* Moore and Strimple, 1973, p. 75, Pl. 22, figs. 1a-1d. Webster, 1977, p. 153. Pabian and Rushlau, 2002, p. 28.
- Pennsylvanian, Morrowan, Brentwood Member. United States, Oklahoma
- Sciadiocrinus clarus* (Strimple, 1962). Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1977, p. 153.
- Athlocrinus clarus* Strimple, 1962e, p. 33, Pl. 1, figs. 1-4. Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1973, p. 60. Webster, 1977, p. 153.
- Pennsylvanian, Desmoinesian, Oologah Formation. United States, Oklahoma
- Sciadiocrinus clypeiformis* (Moore and Plummer, 1940). Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1977, p. 153.
- Athlocrinus clypeiformis* Moore and Plummer, 1940, p. 172, Pl. 6, fig. 2; Fig. 31. Bassler and Moodey, 1943, p. 314. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 12. Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1973, p. 60. Webster, 1977, p. 153. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T665, Fig. 435, nos. 1d-1g. Webster, 1986, p. 70.
- Pennsylvanian, Missourian, Graford Formation; Merriman Limestone. United States, Texas
- Sciadiocrinus confertus* (Moore and Plummer, 1940). Strimple, 1961g, p. 100. Strimple and Watkins, 1969, p. 212, Pls. 43, fig. 12; 52, fig. 14. Webster, 1973, p. 236. Webster, 1977, p. 153. Moore and Strimple *in* Moore and Teichert, 1978, p. T732, Fig. 484, nos. 1l-1m. Pabian and Strimple, 1980a, p. 183, Fig. 5, nos. D-E. Webster, 1986, p. 280. Lewis and Strimple, 1990, p. 297, Fig. 1, nos. 7-8. Webster, 1993, p. 105. Pabian and Rushlau, 2002, p. 28.
- Schistocrinus confertus* Moore and Plummer, 1940, p. 222, Pls. 2, fig. 8; 5, fig. 1, Fig. 48. Bassler and Moodey, 1943, p. 672. Moore and Laudon, 1944, p. 165,

- Pl. 64, fig. 32. Strimple, 1961g, p. 100. Webster, 1973, p. 236. Lewis and Strimple, 1990, p. 297. Webster, 1993, p. 105.  
 Pennsylvanian, Desmoinesian - Missourian, Millsap Lake Formation, Brannon Bridge Limestone Member; Wyandotte Formation, Farley Limestone Member.  
 United States, Texas, Kansas
- Sciadiocrinus? crassacanthus* Moore and Plummer, 1938, p. 276, Fig. 24. Bassler and Moodey, 1943, p. 673. Moore and Strimple, 1973, p. 76, Pl. 23, fig. 4. Webster, 1977, p. 153. Pabian and Rushlau, 2002, p. 28.  
*Hydreionocrinus* sp. Mather, 1915, p. 102, Pl. 2, figs. 5-6a. Bassler and Moodey, 1943, p. 673.  
 Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma, Arkansas
- Sciadiocrinus disculus* Moore and Plummer, 1940, p. 230, Pl. 10, fig. 5; Fig. 51. Bassler and Moodey, 1943, p. 673. Moore and Laudon, 1944, p. 165, Pl. 64, fig. 7. Knapp, 1969, p. 377, Fig. 41. Webster, 1973, p. 236. Webster, 1977, p. 153. Moore and Strimple *in* Moore and Teichert, 1978, p. T732, Fig. 484, nos. 1g, 1i. Webster, 1986, p. 280. Pabian and Rushlau, 2002, p. 28.  
 Pennsylvanian, Missourian, Graford Formation; Mineral Wells Formation; Merriman Limestone. United States, Texas
- Sciadiocrinus* sp. cf. *S. disculus* Moore and Plummer, 1940. Pabian and Strimple, 1985, p. 57, Fig. 27, nos. b-d. Webster, 1988, p. 148.  
 Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas
- Sciadiocrinus harrisae* Moore and Plummer, 1940 = *Athlocrinus harrisae*
- Sciadiocrinus harrissae* Moore and Plummer, 1940 = *Athlocrinus harrisae*
- Sciadiocrinus* aff. *harrisae* Moore and Plummer, 1940. Bowsher and Strimple, 1986, p. 18, Figs. 43, nos. a-d; 67, nos. a-c. Webster, 1993, p. 105. Pabian and Rushlau, 2002, p. 28.  
 Pennsylvanian, Desmoinesian? Magdalena Limestone. United States, New Mexico
- Sciadiocrinus* sp. cf. *S. harrissae* Moore and Plummer, 1940. Pabian and Strimple, 1993, p. 33, Fig. 13, no. h.  
 Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas
- Sciadiocrinus humilis* Strimple, 1951). Knapp, 1969, p. 377. Pabian and Strimple, 1974a, p. 284, Pl. 35, figs. 13-15. Pabian and Strimple, 1985, p. 56, Fig. 22, nos. a-c. Webster, 1986, p. 280. Webster, 1988, p. 149. Pabian and Rushlau, 2002, p. 29, Fig. 8, nos. 12-14.  
*Sciadiocrinus humilis* Strimple, 1951b, p. 373, Pl. 56, figs. 11-14.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Lecompton Formation, Beil Limestone Member. United States, Kansas, Nebraska

*Sciadiocrinus* sp. cf. *S. humilis* Strimple, 1951. Pabian and Strimple, 1980b, p. 18, Pl. 6, figs. 10-12. Webster, 1986, p. 280.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member; Deer Creek Formation, Ervine Creek Limestone Member. United States, Nebraska

*Sciadiocrinus invaginatus* (Strimple, 1951). Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1977, p. 153. Pabian and Rushlau, 2002, p. 28.  
*Pirasocrinus invaginatus* Strimple, 1951a, p. 202, Pls. 36, figs. 8-11; 38, figs. 5-6. Knapp, 1969, p. 377. Strimple and Moore, 1971a, p. 21. Webster, 1973, p. 207. Webster, 1977, p. 153.

Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Texas

*Sciadiocrinus kansasensis* (Weller, 1898). New Combination

*Hydreionocrinus kansasensis* Weller, S., 1898c, p. 372, Pl. 36. Bassler and Moodey, 1943, p. 572. Knapp, 1969, p. 379. Webster, 1977, p. 152.

*Neozeacrinus kansasensis* (Weller, 1898). Moore and Plummer, 1940, p. 162. Bassler and Moodey, 1943, p. 572.

*Plaxocrinus kansasensis* (Weller, 1898). Strimple, 1961g, p. 46. Webster, 1973, p. 216.

*Schistocrinus kansasensis* (Weller, 1898). Knapp, 1969, p. 379. Webster, 1977, p. 152.

Late Pennsylvanian. United States, Kansas

*Sciadiocrinus llanoensis* Strimple and Watkins, 1969, p. 213, Pl. 49, figs. 9-10. Webster, 1977, p. 153. Pabian and Rushlau, 2002, p. 28.

Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

*Sciadiocrinus obesus* (Moore and Plummer, 1940). Knapp, 1969, p. 377. Strimple and Watkins, 1969, p. 212. Webster, 1977, p. 154. Pabian and Rushlau, 2002, p. 29.

*Plaxocrinus obesus* Moore and Plummer, 1940, p. 189, Pl. 8, figs. 2-3. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 8. Knapp, 1969, p. 377. Strimple and Watkins, 1969, p. 212. Webster, 1973, p. 217. Webster, 1977, p. 154.

Pennsylvanian, Desmoinesian - Missourian, Millsap Lake Formation, Brannon Bridge Limestone Member; Palo Pinto Limestone; Shale below Kickapoo Falls Limestone; Oologah Limestone. United States, Texas, Oklahoma

*Sciadiocrinus ornatus* Webster and Kues, 2006, p. 20, Figs. 7.20-7.22.

Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico

*Sciadiocrinus ovalis* (Strimple, 1951). New Combination

*Schistocrinus ovalis* Strimple, 1951d, p. 194, Figs. 2-5. Tischler, 1963, p. 1067, Fig. 6, no. C. Webster, 1973, p. 235.  
Pennsylvanian, Desmoinesian, Oologah Limestone; Madera Formation. United States, Oklahoma, Colorado

*Sciadiocrinus parvus* (Moore and Plummer, 1940). Strimple, 1961g, p. 100. Webster, 1973, p. 236. Pabian and Rushlau, 2002, p. 29.

*Schistocrinus parvus* Moore and Plummer, 1940, p. 226, Pl. 19, fig. 1; Fig. 49. Bassler and Moodey, 1943, p. 672. Strimple, 1961g, p. 100. Webster, 1973, p. 236. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667, Fig. 437, nos. 3g-3h. Webster, 1986, p. 279.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

*Sciadiocrinus pentagonus* (Miller and Gurley, 1890). Knapp, 1969, p. 377. Pabian and Strimple, 1974b, p. 7, Fig. 4, no. 1. Webster, 1977, p. 154. Webster, 1986, p.

281. Pabian and Rushlau, 2002, p. 29.

*Hydreionocrinus pentagonus* Miller and Gurley, 1890a, p. 17, Pl. 2, figs. 6-7. Miller and Gurley, 1890b, p. 17, Pl. 2, figs. 6-7. Miller and Gurley, 1891, p. 339, Pl. 2, figs. 6-7. Miller and Gurley, 1892a, p. 680, Fig. 1238. Weller, S., 1898c, p. 311. Bassler and Moodey, 1943, p. 283. Knapp, 1969, p. 377. Webster, 1977, p. 154.

*Adinocrinus pentagonus* (Miller and Gurley, 1890). Moore and Plummer, 1940, p. 71. Bassler and Moodey, 1943, p. 283. Moore and Laudon, 1944, p. 161, Pl. 60, fig. 24. Webster, 1973, p. 40.

Pennsylvanian, Missourian, Plattsburg Formation, Spring Hill Limestone Member. United States, Kansas, Missouri

*Sciadiocrinus planulatus* (Moore and Plummer, 1940). Strimple, 1961g, p. 100. Webster, 1973, p. 236. Strimple, 1975e, p. 21, Fig. 14, nos. 1-2. Webster, 1986, p. 281. Pabian and Rushlau, 2002, p. 29.

*Schistocrinus planulatus* Moore and Plummer, 1940, p. 225, Pl. 7, fig. 8. Bassler and Moodey, 1943, p. 672. Strimple, 1961g, p. 100. Webster, 1973, p. 236.

Pennsylvanian, Atokan - Desmoinesian, Atoka Formation, Barnett Hill Member; Millsap Lake Formation. United States, Oklahoma

*Sciadiocrinus planulatus?* (Moore and Plummer, 1940). Pabian and Rushlau, 2002, p. 29.

Pennsylvanian, Desmoinesian. United States, Texas

*Sciadiocrinus platybasis* (White, 1876). Moore and Plummer, 1940, p. 356. Bassler and Moodey, 1943, p. 674. Knapp, 1969, p. 377. Webster, 1977, p. 154. Pabian and Rushlau, 2002, p. 29.

*Eupachyocrinus platybasis* White, C. A., 1876, p. 108. White, C. A., 1880b, p. 124, Pl.

35, fig. 8a. Miller, S. A., 1889, p. 245. Weller, S., 1898c, p. 266. Bassler and Moodey, 1943, p. 674. Knapp, 1969, p. 377. Webster, 1977, p. 154.

Pennsylvanian, Desmoinesian?, Hermosa? Formation. United States, Utah

- Sciadiocrinus plautus* Strimple, 1975e, p. 22, Fig. 12, nos. 5-7. Webster, 1986, p. 281. Pabian and Rushlau, 2002, p. 29.  
Pennsylvanian, Atokan, Burgner Formation. United States, Missouri
- Sciadiocrinus tegillum* Strimple and Moore, 1971a, p. 21, Pl. 2, figs. 1a-1b. Webster, 1977, p. 154. Lewis and Strimple, 1990, p. 299, Fig. 3, nos. 1-5. Webster, 1993, p. 105. Pabian and Rushlau, 2002, p. 29.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois
- Sciadiocrinus torquatus* (Moore and Plummer, 1940). Lewis and Strimple, 1990, p. 294. Webster, 1993, p. 105.  
*Schistocrinus torquatus* Moore and Plummer, 1940, p. 220, Pl. 2, fig. 6; Fig. 47. Bassler and Moodey, 1943, p. 672. Moore and Laudon, 1944, p. 165, Pls. 62, fig. 12; 64, fig. 8. Knapp, 1969, p. 379, Fig. 44. Webster, 1973, p. 235. Webster, 1977, p. 152. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T667, Fig. 437, nos. 3a-3f. Webster, 1986, p. 279. Lewis and Strimple, 1990, p. 294. Webster, 1993, p. 105.  
Pennsylvanian, Missourian, Dennis Limestone; Bond Formation, LaSalle Limestone Member. United States, Missouri, Illinois
- Sciadiocrinus* sp. aff. *S. torquatus* (Moore and Plummer, 1940).  
*Schistocrinus* sp. aff. \**S. torquatus* Moore and Plummer, 1940. Strimple, 1969c, p. 10, Fig. 3, nos. 1-2. Webster, 1977, p. 152.  
Pennsylvanian, Virgilian, Jemez Springs Shale Member. United States, New Mexico
- Sciadiocrinus wipsorum* Webster and Houck, 1998, p. 1066, Figs. 5.4-5.7. Pabian and Rushlau, 2002, p. 29. Webster and Kues, 2006, p. 20, Figs. 7.14-7.16, 7.39-7.42.  
Pennsylvanian, late Atokan, Desmoinesian, Sandia Formation Minturn Formation. United States, New Mexico, Colorado
- Sciadiocrinus* spp.  
Priest, 1971, p. 92, Pl. 1, fig. 6. Webster, 1977, p. 154.  
No age or locality data given  
Lewis and Strimple, 1990, p. 297, Fig. 3, no. 8. Webster, 1993, p. 105.  
Pennsylvanian, Atokan. United States, Oklahoma  
Lewis and Strimple, 1990, p. 297, Fig. 3, no. 9-10. Webster, 1993, p. 105.  
Pennsylvanian, Barnsdall Formation. United States, Oklahoma  
Lewis and Strimple, 1990, p. 297, Fig. 3, no. 13-14. Webster, 1993, p. 105.  
Pennsylvanian, Missourian, Dennis Formation, Winterset Limestone Member. United States, Oklahoma  
Lewis and Strimple, 1990, p. 297, Fig. 3, no. 19. Webster, 1993, p. 105.  
Pennsylvanian, Atokan. United States, Oklahoma  
Lewis and Strimple, 1990, p. 297, Fig. 3, no. 24. Webster, 1993, p. 105.  
Pennsylvanian, Missourian, Stanton Formation, Captain Creek Member. United States, Missouri

## States, Kansas

Lewis and Strimple, 1990, p. 297, Fig. 3, no. 4, diagramatic. Webster, 1993, p. 105.

*Schistocrinus* sp. Pabian and Strimple, 1978a, p. 53, Figs. 2, no. T; 4, nos. A-C. Webster, 1986, p. 279.

Pennsylvanian, Missourian, Stanton Limestone. United States, Kansas  
Webster and Maples, 2006, p. 194, Fig. 5, nos. E-F.  
Pennsylvanian, Virgilian, Stull Shale. United States, Kansas

*Sciadiocrinus?* sp. Kues, 1996, p. 184, Fig. 8, nos. 19-20. (Not a *Sciadiocrinus*, GDW)  
Pennsylvanian, horizon unknown Missourian or Virgilian, Madera Formation. United States, New Mexico

*Sciadocrinus humilis* Strimple, 1951 = *Sciadiocrinus humilis*

**SCOLIOCRINUS** Jaekel, 1895. \**Scolioocrinus eremita* Jaekel, 1895.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
Jaekel, 1895a, p. 76. Bather *in* Lankester, 1900, p. 178. Wachsmuth *in* Zittel, 1900, p. 155. Springer *in* Zittel, 1913, p. 219. Bassler, 1938, p. 169. Bassler and Moodey, 1943, p. 674. Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 750. Webster, 1973, p. 236. Webster, 1977, p. 154. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Webster, 1986, p. 281. Hauser, 1997, p. 49, Fig. 16. Haude, 2007, p. 307, Fig. 5A-5B.

Named, currently recognized species based on cups or crowns: 3 Devonian species, 1 Eifelian – Givetian, 2 Givetian  
Devonian, Eifelian-Givetian boundary. Germany

\**Scolioocrinus eremita* Jaekel, 1895a, p. 77, Figs. 23-24. Bassler, 1938, p. 169. Wanner, 1943, p. 37, Unnum. Fig. p. 37. Bassler and Moodey, 1943, p. 674. Webster, 1977, p. 154. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 110, no. 2. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Fig. 376, no. 4. Webster, 1986, p. 281. Hauser, 1997, p. 49, Pl. 39, figs. 2-4. Haude, 2007, p. 307, Fig. 3B.

Devonian, Eifelian - Givetian, boundary of Ahbach and Loogh Formations.  
Germany

*Scolioocrinus eremita* Jaekel; Hauser, 1997 (part) = *Trapezocrinus subvexus granulatus*

*Scolioocrinus gerolsteinensis* Haude, 2007, p. 309, Figs. 4A-4B,  
*Eutaxocrinus juglandiformis* Schultze. Jungheim, 1979. Haude, 2007, p. 309.  
? *Eutaxocrinus* sp. Hauser, 1997, p. 309, Pl. 72, figs. 3-5; Pl. 72, fig. 3  
(Fangarmbündel); Pl. 72, fig. 5 (Zweisolierete Fangarme). Haude, 2007, p. 309.  
Devonian, early Givetian, ?Loogh Formation. Germany

*Scolioocrinus ubaghsi* Haude, 2007, p. 308, Pl. 1, figs. A-F; Figs. 1, 4C-4D, 3A  
Devonian, middle Givetian, Finnentrop Formation. Germany

**SCOTIACRINUS** Wright, 1945. \**Pachylocrinus tyriensis* Wright, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Scotiacrinidae

Wright, J., 1945, p. 119. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 236. Moore, Lane, and Strimple *in* Moore and Teichert 1978, p. T754. Webster, 1986, p. 281. Lane and Sevastopulo, 1990, p. 106. Webster, 1993, p. 106.

Named, currently recognized species based on cups or crowns: 3 Mississippian species, 2 Viséan, 1 Serpukhovian

Mississippian, Viséan - Serpukhovian. United Kingdom, Scotland

*Scotiacrinus ardrossensis* Wright, J., 1945, p. 120, Pl. 4, figs. 4-6, 10. Wright, J., 1951b, p. 76, Pl. 35, figs. 13-16. Webster, 1973, p. 236.

Mississippian, Viséan, Calciferous Sandstone Series. United Kingdom, Scotland

\**Scotiacrinus tyriensis* (Wright, 1937). Wright, J., 1945, p. 120, Pl. 4, figs. 1-3, 7. Wright,

J., 1951b, p. 75, Pl. 35, figs. 6, 17-19; Figs. 38-39. Webster, 1973, p. 236.

Moore,

Lane, and Strimple *in* Moore and Teichert, 1978, p. T754, Fig. 500, no. 1.

Webster, 1986, p. 281.

*Pachylocrinus tyriensis* Wright, J., 1937, p. 406, Pl. 16, figs. 2, 5-6; Figs. 11-12.

Wright, J. 1939, p. 21, Pls. 8, fig. 1; 9, fig. 7; 12, figs. 25, 27; Figs. 13-14.

Bassler

and Moodey, 1943, p. 584. Wright, 1945, p. 120. Webster, 1973, p. 236.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Scotiacrinus yoredalensis* Wright, J., 1945, p. 121, Pl. 4, fig. 8. Wright, J., 1951b, p. 77, Pl. 35, fig. 20. Webster, 1973, p. 237.

Mississippian, Serpukhovian (E1), red beds above Main Limestone. United Kingdom,

Scotland

**SCYPHOCCRINITES** Zenker, 1833. \**S. elegans* Zenker, 1833.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Scyphocrinitoidea, F. Scyphocrinitidae

Zenker, 1833, p. 25. Bronn, 1837, p. 61. Bronn, 1848, p. 1127. Quenstedt, 1885, p. 959. Bassler, 1938, p. 169. Bassler and Moodey, 1943, p. 674. Moore and Laudon, 1943b, p. 96. Ubaghs, 1953, p. 741. Van Sant *in* Van Sant and Lane, 1964, p. 53, Fig. 16. Yakovlev, 1964b, p. 70, Fig. 108. Arendt and Hecker, 1964, p. 97. Moore and Jeffords, 1968, p. 11, Fig. 3, no. 1. Webster, 1973, p. 237.

Witzke, Frest, and Strimple, 1976, p. 126, Fig. 5. Webster, 1977, p. 154. Ubaghs *in* Moore and Teichert, 1978, p. T133, T489, Fig. 103, nos. 1-4. Prokop and Petr, 1986, p. 200. Webster, 1986, p. 281. Prokop and Petr, 1987a, p. 4, Fig. 3, no. c. Webster, 1988, p. 149. Haude, 1992, p. 163. Chen and Yao, 1993, p. 35, Fig. 18. Webster, 1993, p. 106. Prokop and Petr, 1994b, p. 34. Ebert, 1994, p. 19,

Fig. 11. Kacha and Petr, 1996, p. 60, Fig. 2, no. a. Donovan and Lewis, 2009, p. 98. LeMenn, 2009, p. 471, Figs. 7.28, no. e; 7.30, no. d. Donovan et al., 2012, p. 178.

*SCYPHOCRINUS* Bronn, 1848, p. 1127. d'Orbigny, 1849-51, p. 143. d'Orbigny, 1850, p. 24, 103. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 255. Roemer, C. F. *in* Bronn, 1852-1854, p. 254 (*non* Hall, 1847). Pictet, 1857, p. 320. Dujardin and Hupé, 1862, p. 133. Shumard, 1868, p. 396. Bigsby, 1868, p. 23. Zittel, 1880, p. 345, 372. Wachsmuth and Springer, 1881, p. 123 (297). Wachsmuth and Springer, 1885, p. 105 (327). Zittel, 1895, p. 132. Koken, 1896, p. 285. Waagen and Jahn, 1899, p. 35. Bather *in* Lankester, 1900, p. 161. Wachsmuth *in* Zittel, 1900, p. 147. Springer *in* Zittel, 1913, p. 19. Springer, 1917, p. 1, Pls. 1-9. Ehrenberg, 1926b, p. 161. Bassler, 1938, p. 169. Bassler and Moodey, 1943, p. 674. Cuénot, 1948, p. 70. Webster, 1973, p. 237. Ubaghs *in* Moore and Teichert, 1978, p. T489.

*SIPHOCRINUS* Krejci, 1860, p. 751. Ubaghs *in* Moore and Teichert, 1978, p. T489.

*LOBOLITHUS* Waagen and Jahn, 1899, p. 254. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 674. Ubaghs, 1953, p. 741. Webster, 1973, p. 237. Ubaghs *in* Moore and Teichert, 1978, p. T489.

*LOBOLITHES* Zittel, 1895, p. 154. Jaekel, 1896, p. 168. Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 674.

*LOBOLITHEN* Jaekel, 1904, p. 59. Bassler and Moodey, 1943, p. 674.

*LAUBEOCRINUS* Waagen and Jahn, 1893, p. 416. Waagen and Jahn, 1899, p. 31. Bather *in* Lankester, 1900a, p. 170. Bather, 1900b, p. 108. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 531. Ubaghs *in* Moore and Teichert, 1978, p. T518. Webster, 1986, p. 184.

**Note.** *Camarocrinus* is recognized as a genus of the Scyphocrinitidae by Haude, 1992a. Many of the species assigned to the genus are based on the bulbous root holdfast and previously placed in the synonymy of *Scyphocrinites*. *Camarocrinus* is accepted herein but the reallocation of the species remains to be investigated. The species are generally left where they have been assigned by various investigators over the years.

Named, currently recognized species based on cups or crowns: 15 species, 1 subspecies. 8 Silurian, 1 Niagaran, 1 Wenlockian – Ludlovian, 2 Ludlovian, 1 Late Silurian series undesignated, 1 Silurian? series undesignated; 2 Silurian – Devonian, Pridoli – Lochkovian; 7 Devonian, Lochkovian (+1 subspecies)

Early? Silurian, Middle Silurian - Early Devonian. Cosmopolitan

*Scyphocrinites asiaticus* (Reed, 1906). Bassler and Moodey, 1943, p. 674.

*Camarocrinus asiaticus* Reed, 1906, p. 88, Pl. 8, figs. 16a-16c. Reed, 1913, p. 333, Pl. 29. Reed, 1917, p. 19. Bassler and Moodey, 1943, p. 674. Sun and Sze, 1947, p. 244, Pl. 1, figs. 1-2 (bulbous float). Webster, 1993, p. 34.

Late Silurian, Naungbaw Beds; Hengshuitang Limestone: India; China, Yunnan Province

*Scyphocrinites cinctus* Strimple, 1963d, p. 99, Pls. 7, figs. 4-5; 8, fig. 11; 10, fig. 7; 12, fig. 3. Webster, 1973, p. 237.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma



- Scyphocrinites cinctus*? Strimple, 1963d, p. 101, Pls. 11, figs. 2-3; 12, fig. 5. Webster, 1973, p. 237.  
Silurian Niagaran, Henryhouse Formation. United States, Oklahoma
- Scyphocrinites* aff. *cinctus* Strimple, 1963. Yeltyschewa, 1968, p. 37, Pl. 5, fig. 1. Webster, 1973, p. 237.  
Silurian, Lochkovian – early Emsian, Borschovskian Horizon. Russia, Podolsky
- Scyphocrinites clarkii* (Hall, 1879). Bassler and Moodey, 1943, p. 674.  
*Camarocrinus clarkii* Hall, 1879b, p. 209, Pls. 36, figs. 7-8; 37, fig. 3. Miller, S. A., 1889, p. 230. Bassler and Moodey, 1943, p. 674.  
Devonian, Lochkovian, Linden Formation. United States, Tennessee
- Scyphocrinites decoratus* (Waagen and Jahn, 1899) = *Scyphocrinites elegans*
- Scyphocrinites duanjiapoensis* Chen and Yao, 1990, p. 233, Pl. 1, figs. 3a-3b; Figs. 1, 2. Chen and Yao, 1993, p. 38, Pl. 7, figs. 1-2. Webster, 1993, p. 106.  
Late Silurian, "Camarocrinus" Bed. China, Shidian County, Yunnan Province
- \**Scyphocrinites elegans* Zenker, 1833, p. 26, Pl. 4, figs. A-F. Bronn, 1837, p. 61, Pl. 4, fig. 5. Quenstedt, 1852, p. 621, Pl. 55, figs. 1-3. Quenstedt, 1885, p. 959, Pl. 77, fig. 13. Bassler, 1938, p. 169. Bassler and Moodey, 1943, p. 675. Ubaghs, 1953, p. 741, Figs. 58, 90. Le Maitre and Heddebaut, 1963, p. 273. Yakovlev, 1964b, p. 65, Fig. 87. Webster, 1973, p. 237. Ubaghs *in* Moore and Teichert, 1978, p. T118, T489, Figs. 90, no. 1; 292, nos. 1a-1d. Lierl, 1982, p. 285, Figs. 1-4. Prokop and Petr, 1986, P. 203, Pls. 1, figs. 1-3; 2; 3, Figs. 1-2; 4; 5, fig. 4; Figs. 1-3. Webster, 1986, p. 281. Webster, 1988, p. 149. Prokop and Petr, 1990, p. 20, Pl. 2, fig. 3. Chen and Yao, 1990, p. 232, Pl. 1, figs. 1a-1e. Webster, 1993, p. 106. Clement and Broadhead, 1994, p. 47. Kriz *in* Chlupac et al., 1998, p. 96, Pl. 37, fig. 16.
- Scyphocrinus elegans* (Zenker, 1833). Bronn, 1848, p. 1127. d'Orbigny, 1850, p. 103. Quenstedt, 1850, p. 621, Pl. 55, figs. 1-3. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 255, Pl. 4, figs. 5a-5b. Roemer, C. F. *in* Bronn, 1852-1854, p. 255, Pl. 4, figs. 5a-5b. Bigsby, 1868, p. 23. Gurich, 1908, p. 45, Pl. 13, fig. 7. Springer, 1917, p. 30, Pls. 1-5. Waterlot, 1931, p. 50, Pl. 6, figs. 1-9; Figs. 1-2. Termier, 1936, p. 1104, Pl. 3, figs. 1-2. Bassler and Moodey, 1943, p. 675. Termier, H. and Termier, G., 1949, p. 50, Pl. 2, figs. 13-15. Termier, H. and Termier, G., 1950, p. 85, Pls. 209; 210, figs. 1-6, 10 (*non* figs. 7-9 as given on p. 85); 216, figs. 1-4. Webster, 1973, p. 237. Stinchcomb, 2008, p. 86, Figs. 05-19-05-22.
- Pentacrinites excavatus* Schlotheim, 1820, p. 329. Bassler and Moodey, 1943, p. 675.
- Scyphocrinites excavatus* (Schlotheim, 1820). Svobodo *et al.*, 1968, p. 310, 354, Pl. 49, fig. 2. Prokop, 1972, p. 135, Pl. 1, figs. 1-2. Webster, 1973, p. 237. Webster, 1977, p. 154. Mironova and Yeltyschewa, 1978, p. 23, Fig. 1, nos. a-v. Habetín and Knobloch, 1983, p. 176, Fig. 68, nos. 2-3. Webster, 1986, p. 282. Webster, 1988, p. 149. Prokop and Petr, 1990, p. 24. Webster, 1993, p. 106.

- Scyphocrinus decoratus* Waagen and Jahn, 1899, p. 88, Pl. 40. Bassler and Moodey, 1943, p. 674. Yeltyschewa, 1968, p. 36, Pl. 5, fig. 2. Webster, 1973, p. 237. Prokop and Petr, 1986, p. 203. Prokop and Petr, 1990, p. 20 (fragments of calices). Webster, 1993, p. 106.
- Scyphocrinus* cf. *decoratus* Waagen and Jahn, 1899. Prokop and Petr, 1990, p. 20 (fragment of calyx). Webster, 1993, p. 106.
- Scyphocrinus excavatus* var. *schlotheimi* Waagen and Jahn, 1899, p. 42, Pls. 44, fig. 1; 45, figs. 1-2; 46, fig. 2; 47, figs. 5, 6; 49, figs. 2-3; 51, figs. 9-10; 53, fig. 1; 54, figs. 1-6, 9; 57, figs. 1-3, 6. Bather, 1900b, p. 116, Fig. 7. Bather, 1907a, Fig. p. 194. Springer, 1917, p. 22. Heritsch, 1929, p. 30, Fig. 881. Bassler and Moodey, 1943, p. 675. Yakovlev, 1950, p. 93, Fig. 1, no. II. Webster, 1973, p. 237. Prokop and Petr, 1990, p. 24-25 (fragments of arms, calices). Webster, 1993, p. 106.
- Scyphocrinus excavatus* var. *schroteri* Waagen and Jahn, 1899, p. 24, Pls. 40, fig. 6; 43, figs. 2-6; 46, figs. 3-4; 48; 50, figs. 1-5; 51, figs. 1-8; 58, fig. 10. Bassler and Moodey, 1943, p. 675. Prokop and Petr, 1990, p. 25 (calices). Webster, 1993, p. 106.
- Scyphocrinites excavatus schroteri* (Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 675.
- Scyphocrinites excavatus* var. *schroteri* (Waagen and Jahn, 1899). Webster, 1993, p. 106.
- Scyphocrinus excavatus* var. *schluteri* Waagen and Jahn, 1899. Yakovlev, 1950, p. 93, Fig. 1, no. II. Webster, 1973, p. 237.
- Scyphocrinites excavatus schlotheimi* (Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 675. Yeltyschewa, 1968, p. 35, Pls. 1, figs. 1-13; Pl. 2, fig. 2. Webster, 1973, p. 237.
- Scyphocrinus excavatus* var. *typ.* Waagen and Jahn, 1899, Pls. 44, fig. 2; 45, figs. 4-5; 48, figs. 2-3; 50, figs. 6-10; 51, figs. 11-15; 52, figs. 1-3; 53, figs. 4-5; 54, figs. 7-8, 10-11 (only). Prokop and Petr, 1990, p. 25-26. Webster, 1993, p. 106.
- Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899, Pls. 43, fig. 1; 45, fig. 3 (only). Prokop and Petr, 1990, p. 26-27. Webster, 1993, p. 106.
- Scyphocrinites decoratus* (Waagen and Jahn), 1899. Bassler and Moodey, 1943, p. 674.
- Scyphocrinus* sp. ind. Waagen and Jahn, 1899. Prokop and Petr, 1990, p. 45-46. Webster, 1993, p. 106.
- Encrinites tectus* Waagen and Jahn, 1899, Pl. 45, figs. 12-15 (only). Prokop and Petr, 1990, p. 49. Webster, 1993, p. 106.
- Late Silurian, Pridolian, Pridoli Formation; "*Camarocrinus*" Bed. Czech Republic; China, Shidian County; Morocco
- Late Silurian - Early Devonian. France; Spain, ?United Kingdom; India; Southeast Morocco; Germany, Carlstein
- Silurian - Devonian, Pridolian - Lochkovian, Decatur Formation; Bailey Limestone; Pozary Formation. United States, Missouri; Czech Republic, Bohemia

*Scyphocrinites elegans* Barrande in Waagen and Jahn, 1899 = *Scyphocrinites* spp.

*Scyphocrinites elegans?* Barrande in Waagen and Jahn, 1899 (part) = *Scyphocrinites* spp.

*Scyphocrinites elegans?* Barrande in Waagen and Jahn, 1899 (part) = *Carolicrinus barrandei*

*Scyphocrinites elegans?* Barrande in Waagen and Jahn, 1899 (part) =  
Scyphocrinitidae gen. et sp. ind.

*Scyphocrinites elegans?* Zenker, 1833. Yeltyschewa, 1968, p. 34, Pl. 2, figs. 1, 3-5  
(non fig. 6 as given p. 34). Webster, 1973, p. 237. Prokop and Petr, 1990, p. 15.  
Webster, 1993, p. 107.

*Laubeocrinus barrandei* Waagen and Jahn, 1899, p. 34, Pls. 59-60. ?Bather,  
1900c, p. 108, Fig. 3. Bassler, 1938, p. 121. Bassler and Moodey, 1943, p. 531.  
Ubaghs in Moore and Teichert, 1978, p. T518, Fig. 318, no. 4. Webster, 1986,  
p. 185. Prokop and Petr, 1990, p. 15. Webster, 1993, p. 107.  
Silurian, Pridolian, Pridoli Formation; Borschovskian Horizon. Czech Republic;  
Russia, Podolsky

*Scyphocrinites elegans?* Zenker, 1833 (part) = Nov. gen.? sp. 1, aff. "S." *zenonis*

*Scyphocrinites elegans?* Zenker, 1833 (part) = Nov. gen.? sp. 2, aff. "S." *zenonis*

*Scyphocrinites* aff. *elegans* Zenker, 1833. Haude, 1992, p. 164, Pls. 2, figs. A-N; 3,  
figs. A-H: Figs. 4, no. B; 7, nos. A-C; 8, nos. A-B. Chen and Yao, 1993, p. 36, Pl.  
7, fig. 4.

?*Scyphocrinus excavatus* Schlotheim, sp. p. var. *zenonis* Waagen and Jahn, 1899,  
Pl. 43, fig. 1. Haude, 1992, p. 164.

?*Scyphocrinus excavatus* Schlotheim sp. p. var. *typ.* Waagen and Jahn, 1899,  
Pls. 45, fig. 4; 49, fig. 1. Haude, 1992, p. 164.

*Scyphocrinus* Denckmann, 1900, p. 314. Haude, 1992, p. 164.

?*Scyphocrinus elegans* Zenker, 1833. Waterlot, 1931, p. 50, Pl. 6, fig. 1. Haude,  
1992, p. 164.

*Scyphocrinus* sp., *Encrinites* sp., ?*Lambeocrinus* sp. Kupfahl, p. 102. Haude, 1992,  
p. 164.

*Scyphocrinus* Stoppel, 1958, p. 115. Haude, 1992, p. 164.

*Scyphocrinus* aff. *excavatus* Scholtheim, *Encrinites* sp. - Kraatz, 1958, p. 29.  
Haude, 1992, p. 164.

*Scyphocrinus decoratus* Waagen and Jahn., *S. elegans* Zenker, *S. zenonis*  
Waagen and Jahn; Jaeger, 1962, p. 121, 122 (Harz, Kellerwald), non p. 122  
(Sauerland). Haude, 1992, p. 164.

?*Scyphocrinites elegans* Zenker, 1833. Prokop and Petr, 1986, p. 203. Haude,  
1992, p. 164.

Silurian, Pridoli. Germany, ?Czech Republic: ?North Africa; Pyrenees; China,  
Yunnan Province

*Scyphocrinites* ex. gr. *elegans* Mironova and Yeltyschewa, 1978, p. 23, Fig. 1, no. g.  
Webster, 1986, p. 281.

Early Devonian. Russia, Podolia

- Scyphocrinites excavatus* (Schlotheim, 1820) Prokop, 1972 = *Scyphocrinites elegans*
- Scyphocrinites* cf. *excavatus* (Schlotheim, 1820). Guoli *et al.*, 1988, p. 326, Pl. 1, figs. 1, 4-5 (bulbous float). Webster, 1993, p. 107.  
Silurian, Lochkovian. Italy
- Scyphocrinites excavatus schlotheimi* (Waagen and Jahn, 1899) = *Scyphocrinites elegans*
- Scyphocrinites excavatus schroteri* (Waagen and Jahn, 1899) = *Scyphocrinites elegans*
- Scyphocrinites excavatus* var. *s Schroteri* (Waagen and Jahn, 1899) = *Scyphocrinites elegans*
- Scyphocrinites gibbosus* (Springer, 1917). Bassler and Moodey, 1943, p. 675. Strimple, 1963d, p. 102, Pl. 7, fig. 6. Webster, 1973, p. 237.  
*Scyphocrinus gibbosus* Springer, 1917, p. 55, Pl. 9, figs. 3a-3b. Bassler and Moodey, 1943, p. 575.  
Devonian, Lochkovian, Haragan Limestone. United States, Oklahoma
- Scyphocrinites mariannae* (Yakovlev, 1953). Arendt and Hecker, 1964, p. 97, Pl. 16, figs. 1-3. Stukalina, 1971, p. 194, Pl. 1, figs. 1-5. Webster, 1973, p. 237. Webster, 1977, p. 154. Stukalina, 1986, p. 117, Pl. 3, figs. 1-9; 1991, p. 164, Pl. 36, figs. 1-2; Fig. 12. Webster, 1993, p. 107.  
*Camarocrinus mariannae* Yakovlev, 1953, p. 27, Pl. 1, figs. 1-3. Yakovlev, 1956a, p. 110, Fig. 42, nos. 1-2. Yakovlev, 1958, p. 97, Fig. 42, nos. 1-2. Yakovlev, 1964a, p. 97, Fig. 42, nos. 1-2. Webster, 1973, p. 237.  
*Scyphocrinus mariannae* Yakovlev, 1950, p. 93, Fig. 1, no. III (*nomen nudum*). Yakovlev, 1953, p. 29, Pl. 3, figs. 1-5. Yakovlev, 1964a, p. 101, Fig. 41, no. 3. Webster, 1973, p. 237.  
Silurian, Pridoli - Devonian, Lochkovian, transitional beds of Silurian - Devonian, Ainasuisk Horizon. Central Kazakhstan
- Scyphocrinites* sp. group *S. mariannae* (Yakovlev), 1953. Stukalina, 1991, p. 164, Pl. 37, fig. 6.  
Early Devonian? Ainasu Horizon. Kazakhstan
- Scyphocrinites mutabilis* (Springer, 1917). Bassler and Moodey, 1943, p. 675. Chen and Yao, 1993, p. 37, Pls. 6, figs. 6-7; 14, fig. 10. Webster, 1993, p. 107.  
*Scyphocrinus mutabilis* Springer, 1917, p. 47, Pls. 6, figs. 3-19; 8, figs. 3-5. Bassler and Moodey, 1943, p. 675. Chen and Yao, 1990, p. 232, Pl. 2, figs. 2a-2d.  
Late Silurian, "*Camarocrinus*" Bed. China, Shidian County, Yunnan Province  
Devonian, Lochkovian, Linden Formation, Ross Limestone Member. United States, Tennessee

- Scyphocrinites pratteni* (McChesney, 1860). Bassler and Moodey, 1943, p. 675.  
Clement and Broadhead, 1994, p. 47.
- Forbesiocrinus pratteni* McChesney, 1860, p. 29. Shumard, 1868, p. 381. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 348. Bassler and Moodey, 1943, p. 675.
- Melocrinus pratteni* (McChesney, 1860). McChesney, 1868, p. 22, Pl. 5, fig. 4. Shumard, 1868, p. 381. Weller, S., 1898c, p. 348. Bassler and Moodey, 1943, p. 675.
- Scyphocrinus pratteni* (McChesney, 1860). Springer, 1917, p. 50, Pls. 7, figs. 1a-1b; 8, figs. 1-2b. Springer, 1920a, p. 244. Bassler and Moodey, 1943, p. 675. Devonian, Lochkovian, Ross Limestone, Rockhouse Member. United States, Tennessee
- “*Scyphocrinites*” *pulcher* (Salter in M’Coy, 1851). Donovan et al., 2008a, p. 36, Fig. 3, no. C. Donovan et al., 2012 p. 179, Fig. 78.  
Donovan et al., 2008b, p. 337, Fig. 15.3, nos. 1-5.  
Silurian, Early Ludlovian Denbighshir Flagstones. United Kingdom, Wales
- Scyphocrinites?* *pulcher* Warren, et. al., 1984, p. 57, Pl. 9, fig. 30.  
Silurian, Wenlockian, Elwy Group, Bont-uchel Formation. United Kingdom, Scotland
- Scyphocrinites pyburnensis* Springer, 1917 = *Marhoumacrinus pyburnensis*
- Scyphocrinites quarcitarum* (Fric, 1905). Bassler and Moodey, 1943, p. 675.  
*Camerocrinus quarcitarum* Fric, 1905, p. 1. Bassler and Moodey, 1943, p. 675.  
*Camerocrinus (Lobolithus) quartzitarum* (Fric, 1905). Fric, 1907, p. 4, fig. 1.  
Bassler and Moodey, 1943, p. 675.  
*Camerocrinus quartzitarum* Fric, 1905. Kirk, 1911, p. 56. Bassler and Moodey, 1943, p. 675.  
Silurian, Ludlovian, E2. Czech Republic, Bohemia
- Scyphocrinites saffordi* (Hall, 1879). Bassler and Moodey, 1943, p. 676. Webster, 1973, p. 238.  
*Camarocrinus saffordi* Hall, 1879b, p. 208, Pls. 36, figs. 1-6; 37, figs. 1-2. Miller, S. A., 1889, p. 230. Schuchert, 1904, p. 270, Pl. 40, fig. 10. Bassler and Moodey, 1943, p. 676.
- Scyphocrinus saffordi* (Hall, 1879). Bassler and Moodey, 1943, p. 676. Yakovlev, 1953, p. 19, Figs. 1; 4, no. v. Yakovlev, 1956a, p. 104, Fig. 39, nos. 1-2. Yakovlev, 1958, p. 91, Fig. 39, nos. 1-2. Yakovlev, 1964a, p. 95, Fig. 41, nos. 1-2. Webster, 1973, p. 238.  
Devonian, Lochkovian, Linden Formation, Rockhouse Shale Member. United States, Tennessee
- Scyphocrinites spinifer* (Springer, 1917). Bassler and Moodey, 1943, p. 676.  
*Scyphocrinus spinifer* Springer, 1917, p. 46, Pl. 9, figs. 1a-1c. Bassler and Moodey, 1943, p. 676.

Devonian, Lochkovian, Linden Formation, Ross Limestone Member. United States, Tennessee

*Scyphocrinites stellatus* (Hall, 1879) = *Camarocrinus stellatus*

*Scyphocrinites stellatus-mutabilis* (Hall-Springer). Le Maitre and Heddebaut, 1963 = *Camarocrinus* cf. *subornatus*

*Scyphocrinites stellatus-mutabilis* (Hall-Springer) group = *Marhoumacrinus* cf. *legrandi*

*Scyphocrinites subornatus* (Barrande in Waagen and Jahn, 1899) = *Camarocrinus* cf. *subornatus*

*Scyphocrinites ulrichi* (Schuchert, 1903). Bassler and Moodey, 1943, p. 676. Amsden, 1956, p. 59. Webster, 1973, p. 238. Webster, 1977, p. 154.

*Camarocrinus ulrichi* Schuchert, 1903, p. 239. Schuchert, 1904, p. 263, Pls. 40, figs. 6-8; 41-43. Bassler and Moodey, 1943, p. 676. Moore and Laudon, 1944, p. 209, Pl. 79, fig. 34. Webster, 1973, p. 238.

Devonian, Lochkovian, Henryhouse Formation; Haragan Limestone. United States, Oklahoma

*Scyphocrinites ulrichi?* (Schuchert, 1903). Strimple, 1977e, p. 171, Fig. 1. Webster, 1977, p. 154. Ubaghs in Moore and Teichert, 1978, p. T489, Fig. 292, no. 1g. Webster, 1986, p. 282.

Devonian, Lochkovian, Haragan Formation: United States, Oklahoma

*Scyphocrinites ulrichi stellifer* (Schuchert, 1904). Bassler and Moodey, 1943, p. 676. Amsden, 1956, p. 60. Webster, 1977, p. 154.

*Camarocrinus ulrichi* var. *stellifer* Schuchert, 1904, p. 272, Pls. 40, fig. 9; 41, fig. 6. Bassler and Moodey, 1943, p. 676.

*Scyphocrinus ulrichi* var. *stellifer* (Schuchert, 1904). ???

Devonian, Lochkovian, Henryhouse Formation; Haragan Limestone. United States, Oklahoma

*Scyphocrinites zenonis* (Waagen and Jahn, 1899). Bassler and Moodey, 1943, p. 676.

*Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899, p. 26, Pls. 40, fig. 7; 41, fig. 67; 43, fig. 1. Bassler and Moodey, 1943, p. 676.

*Scyphocrinus zenonis* Waagen and Jahn, 1899. Springer, 1917, p. 24. Bassler and Moodey, 1943, p. 676.

Silurian, Wenlockian – Ludlovian, E<sub>1</sub>, E<sub>2</sub>. Czech Republic, Bohemia

*Scyphocrinites* isolated columnals Chen and Yao, 1990, p. 231, Pl. 2, fig. 4. Webster, 1993, p. 107.

Late Silurian, "*Camarocrinus*" Bed. China, Shidian County

*Scyphocrinites lobolithen* Haude, 1972, p. 95, Fig.s 1-19, 21. Webster, 1977, p. 154.

## Silurian - Devonian. Europe, North America

*Scyphocrinites* spp.

Yakovlev, 1953, p. 20, Fig. 2. Webster, 1973, p. 238.

Silurian. Russia

Yakovlev, 1964b, p. 67, Fig. 98. Webster, 1973, p. 238.

Silurian. North America

Horny, 1964, p. 91, Fig. 3. Webster, 1973, p. 238.

Silurian - Devonian, Pridoli Beds. Czech Republic, Bohemia

Douglas, 1969, p. 224, Fig. 3. Webster, 1977, p. 155.

Devonian, Gedinnian, Haragan Limestone. United States, Oklahoma

Ubaghs *in* Moore and Teichert, 1978, p. T145, Fig. 120, nos. 3-4. Webster, 1986, p. 282.

Late Silurian. Algeria

Ubaghs *in* Moore and Teichert, 1978, p. T165, Fig. 137, no. 4. Webster, 1986, p. 282.

Late Silurian. North Africa

Ubaghs *in* Moore and Teichert, 1978, p. T171, Fig. 145, no. 2. Webster, 1986, p. 282.

Late Silurian. North Africa

Ubaghs *in* Moore and Teichert, 1978, p. T489, Fig. 292, no. 1e. Webster, 1986, p. 282.

Late Silurian. North Africa

Ubaghs *in* Moore and Teichert, 1978, p. T489, Fig. 292, no. 1f. Webster, 1986, p. 282.

Early Devonian. United States

Turek, 1988, p. 378, Figs. 1-2.

Devonian, Lochkovian. Algeria

Vannier and Ave, 1992, p. 510, Pl. 2, figs. 4, 7.

Silurian, Ludlovian, Chemire-en-Charnie. France, Armorican Massif

Gluchowski, Piotrowski, and Tomczykowa, 1991, p. 292, Pl. 109, fig. 4. (set of arms)

Silurian, late Podlasian, Rzepin Formation. Poland

Wiesenmüller, 1998, p. 206, Middle Fig.

Late Silurian (given as Early Devonian). Morocco

Hess *in* Hess et al., 1999 p. 93, Fig. 109.

Late Silurian. Morocco

Prokop and Petr, 2001b, p. 265, Fig. 7, no. b (arm fragment).

Silurian, Pridolian, Pridoli Limestone. Czech Republic

Seilacher and Hauff, 2004, p. 4, 8, Fig. 1 (diagramatic), Fig. 6, nos. A-D.

Late Silurian

Donovan et al., 2008a, p. 36, Fig. 5.

Silurian, Prídolí. United Kingdom

Donovan and Lewis, 2009, p. 98, Fig. 1, nos. A-C.

Devonian, Lochkovian. United Kingdom, Cornwall

Donovan et al., 2012, p. 187, Fig. 17, no. A.

Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom Scotland

Donovan et al. 2012, p. 179, Fig. 77.

Silurian, Wenlockian (Homerian), Much Wenlock Limestone Formation. United Kingdom Scotland

*Scyphocrinus* spp.

Heller, 1926, p. 260.

Late Silurian, Orthocerenkalks. Germany

Branson, E. B., 1944, p. 113, Pl. 17, fig. 17. Webster, 1973, p. 238.

Devonian, Ulsterian, Bailey Limestone. United States, Missouri

Termier, G. and Termier, H., 1947, p. 255, Pl. 19, fig. 8. Webster, 1973, p. 238.

Early Devonian. Morocco

Termier, G. and Termier, H., 1950, p. 85, Pl. 210, fig. 12. Webster, 1973, p. 238.

Early Devonian. Morocco

Korejwo and Teller, 1964, p. 236, Pl. 2, fig. 1. Webster, 1973, p. 238.

Late Silurian, *Pristiograptus bugensius* Biozone. Poland

Ray, 1980, p. 6, Fig. 12. Webster, 1988, p. 149.

Silurian - Devonian, several formations. United States, Europe

*Scyphocrinites elegans* Barrande in Waagen and Jahn, 1899, Pls. 50, figs. 11-14; 52, fig. 11. Prokop and Petr, 1990, p. 21 (part of free arms). Webster, 1993, p. 107.

Silurian, Pridolian, Pridoli Formation. Czech Republic

*Scyphocrinites elegans?* Barrande in Waagen and Jahn, 1899, Pls. 55, figs. 4-6; 56, figs. 7-9, 11-14, 20-26; 65, figs. 3-11; 67, figs. 1-4, 7-11; 68, figs. 1-17; 69, figs. 1-7; 71, figs. 1-4. Prokop and Petr, 1990, p. 21-23 (parts of arms). Webster, 1993, p. 107.

Silurian, Pridolian, Pridoli Formation. Czech Republic

*Encrinites tectus* Waagen and Jahn, 1899, Pl. 45, figs. 16-20 (only). Prokop and Petr, 1990, p. 49 (fragment of free arms). Webster, 1993, p. 108.

Silurian, Pridolian, Pridoli Formation. Czech Republic

Scyphocrinitidae gen. et sp. indet

*Scyphocrinites elegans?* Barrande in Waagen and Jahn, 1899, Pl. 66, figs. 18-19.

Prokop and Petr, 1990, p. 22. Webster, 1993, p. 108.

Silurian, Pridolian, Pridoli Formation. Czech Republic

*Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899, Pls. 40, fig. 7; 41, figs. 6-7 (only). Prokop and Petr, 1990, p. 26 (calyx). Webster, 1993, p. 108.

Silurian, Pridolian, Pridoli Formation. Czech Republic

Scyphocrinitids Hess in Hess et al., 1999 p. 97, Figs. 110-113.

Late Silurian, Silurian-Devonian boundary. Morocco

Scyphocrinoid loboliths Lee, 2005, p. 334, Figs. 2, 4-13.

Late Silurian – Early Devonian, Lochkovian, Setul Formation. Thailand

Scyphocrinoiden Haude, Jahnke, and Walliser, 1994, p. 50, Figs. 2-7 (diagrammatic in part).

Silurian - Devonian. Germany

Scyphocrinoiden-"Kolonie" Haude, 1998, p. 217, Fig. 1.



Diagramatic

*SCYPHOCRINUS* Hall, 1847 = **CUPULOCRINUS**

*SCYPHOCRINUS* Bronn, 1848 and authors = **SCYPHOCRINITES**

*Scyphocrinus* Maronde, 1968 = *Carolicrinus?* cf. *siniaticus*

*Scyphocrinus decoratus* Waagen and Jahn, 1899 = *Scyphocrinites elegans*

*Scyphocrinus* cf. *decoratus* Waagen and Jahn, 1899 = *Scyphocrinites elegans*

*Scyphocrinus elegans* Quenstedt, 1850 = *Scyphocrinites elegans*

*Scyphocrinus elegans* (Zenker, 1833) = *Scyphocrinites elegans*

*Scyphocrinus elegans* Zenker-Beyer, 1952 (part) = Nov. gen.? sp. 2, "S." *zenonis*

*Scyphocrinus excavatus* Schlotheim sp. p, var. *zenois* Waagen and Jahn, 1849 (Part) =  
Nov. gen.? sp. 1, aff. "S." *zenonis*

*Scyphocrinus excavatus* Schlotheim sp. p, var. *zenois* Waagen and Jahn, 1849 (Part) =  
Nov. gen.? sp. 2, aff. "S." *zenonis*

*Scyphocrinus excavatus* Schlotheim sp. p. var. *schlotheimi* Waagen and Jahn, 1899 =  
*Camarocrinus subornatus*

*Scyphocrinus excavatus* var. *schlotheimi* Waagen and Jahn, 1899 = *Scyphocrinus  
elegans*

*Scyphocrinus excavatus* var. *schluteri* Waagen and Jahn, 1899 = *Scyphocrinites  
elegans*

*Scyphocrinus excavatus* var. *schroterii* Waagen and Jahn, 1899 = *Scyphocrinus  
elegans*

*Scyphocrinus excavatus* var. *typ.*, Waagen and Jahn, 1899 (part) = *Scyphocrinus  
elegans*

*Scyphocrinus excavatus* var. *typ.*, Waagen and Jahn, 1899 (part) = *Marhoumacrinus  
bohemicus*

*Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899 (part) = *Scyphocrinites  
elegans*

*Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899 (part) = Scyphocrinitidae  
gen. et sp. ind.

- Scyphocrinus excavatus* var. *zenonis* Waagen and Jahn, 1899 (part) = *Scyphocrinus zenonis*
- Scyphocrinus gibbosus* Springer, 1917 = *Scyphocrinites gibbosus*
- Scyphocrinus heterocostalis* Hall, 1847 = *Cupulocrinus heterocostalis*
- “*Scyphocrinus*” *heterocostalis* Hall, 1847 = *Cupulocrinus heterocostalis*
- Scyphocrinus marianne* (Yakovlev, 1950) = *Scyphocrinites marianne*
- Scyphocrinus missourensis* Springer, Stinchcomb, 2008 (sic), p. 87, Figs. 05-23-05-24. Late Silurian, Bailey Formation. United States, Missouri
- Scyphocrinus mutabilis* Springer, 1917 = *Scyphocrinites mutabilis*
- Scyphocrinus nodosus* (Hall, 1847) = *Shizocrinus nodosus*
- Scyphocrinus pratteni* (McChesney, 1860) = *Scyphocrinites pratteni*
- Scyphocrinus pyburnensis* Springer, 1917 = *Scyphocrinites pyburnensis* = *Marhoumacrinus pyburnensis*
- Scyphocrinus saffordi* (Hall, 1879) = *Scyphocrinites saffordi*
- Scyphocrinus spinifer* Springer, 1917 = *Scyphocrinites spinifer*
- Scyphocrinus stellatus* (Hall, 1879) = *Scyphocrinites stellatus* = *Camarocrinus stellatus*
- Scyphocrinus striatus* (Hall, 1847) = *Schizocrinus striatus*
- Scyphocrinus subornatus* Schmidt, 1931 = *Marhoumacrinus* n. sp.? = *Camarocrinus subornatus*
- Scyphocrinus subornatus* Barrande in Waagen and Jahn, 1899 = *Scyphocrinites subornatus* = *Camarocrinus* cf. *subornatus*
- Scyphocrinus ulrichi* var. *stellifer* (Schuchert, 1904) = *Scyphocrinites ulrichi*
- Scyphocrinus ulrichi* Springer, 1917 (non Schuchert, 1903) = *Liomolgocrinus ulrichi*
- Scyphocrinus zenonis* Waagen and Jahn, 1899 = *Scyphocrinites zenonis*
- Scyphocrinus* sp. ind. Waagen and Jahn, 1899 = *Scyphocrinites elegans*
- Scyphocrinus* sp. authors = *Scyphocrinites* sp.

*Scyphocrinus* sp. Reed, 1906 = *Carolicrinus* n. sp.

*Scytactocrinus* [sic] *plumifer* (Whidborne); Schmidt, 1930 = *Pachylocrinus?* *plumifer*

**SCYTALECRINUS** Bather in Lankester, 1900 = **SCYTALOCRINUS**

Scytalocrinid? indet. Webster and Jell, 1999a, p. 270, Fig. 11.

Mississippian, ?late Tournaisian, ?Namoi Formation. Australia, New South Wales, locality unknown

Scytalocrinidae gen. et sp. indet. Hashimoto, 1984, p. 7, Pl. 1, figs. 2a-4c; Figs. 2, nos. 2a-4b. Webster, 1993, p. 108.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

Scytalocrinid? indeterminate Webster et al., 2003, p. 26, Fig. 12.2.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Scytalocrinid? indeterminate Webster and Waters, 2009, p. 277, Fig. 4, no. R.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur Autonomous Region

Scytalocrinidae, genus and species indeterminate Lane et al. 1997 = *Eumhacrinus tribrachiatatus*

Scytalocrinidae indeterminate Webster and Gupta, 1984, p. 139, Fig. 1, no. 1.

Webster, 1988, p. 149.

**Note.** Most Gupta localities considered fraudulent, Webster, 1991a.

Mississippian, Tournaisian. India, Ladakh

Scytalocrinidae indet. Webster, 1997, p. 26, Pl. 6, fig. 5.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

Scytalocrinidae n. gen., n. sp. undesignated Webster, 1997, p. 25, Pl. 6, figs. 1-2, 7.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

Scytalocrinoid Hou, et al., 1994, p. 8, Pl. 1, fig. 7.

Devonian, Famennian, Hongguleleng Formation. China, Xinjiang

Scytalocrinoidea? radials indeterminate Webster et al., 2011, p. 47, Fig. 14, nos. n-u.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

**SCYTALOCRINUS** Wachsmuth and Springer, 1880. \**Scaphiocrinus robustus* Hall, 1861.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Wachsmuth and Springer, 1880 (1879), p. 116 (338). Wachsmuth and Springer, 1886, p. 191 (115). Miller, S.A., 1889, p. 281. Whidborne, 1899, p. 233. Wachsmuth *in* Zittel, 1900, p. 160. Grabau and Shimer, 1910, p. 510. Jaekel, 1918, p. 63. Wanner, 1924, p. 178. Springer, 1926b, p. 70. Schmidt, W. E., 1930, p. 51. Bassler, 1938, p. 170. Moore and Plummer, 1938, p. 247. Moore and Plummer, 1940, p. 130. Bassler and Moodey, 1943, p. 676-677. Moore and Laudon, 1943b, p. 59, Fig. 7. Moore and Laudon, 1944, p. 169. Moore, 1950, p. 34, Fig. 4, no. h. Arendt and Hecker, 1964, p. 89. Strimple and Moore, 1971a, p. 6. Strimple and Moore, 1973, p. 43. Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 238. Pabian and Strimple, 1974a, p. 289. Pabian and Strimple, 1974b, p. 26. Webster, 1977, p. 155. Moore and Strimple *in* Moore and Teichert, 1978, p. T640. Kammer, Ausich, and Lane, 1979, p. 1189, Fig. 6B, no. b. Kammer, Ausich, and Lane, 1983, p. 55, Fig. 14, no. B, item b. Burdick and Strimple, 1983a, p. 93. Webster, 1986, p. 282. Webster, 1988, p. 149. Meyer, Ausich, and Terry, 1989, p. 545, Fig. 10, no. F. Lane and Sevastopulo, 1990, p. 335.

Kammer

and Ausich, 1992, p. 468. Pabian and Strimple, 1993, p. 38. Webster, 1993, p. 108. Webster, 1997, p. 21.

*SCYTALECRINUS* Bather *in* Lankester, 1900, p. 180. Bassler, 1938, p. 169. Bassler and Moodey, 1943, p. 676-677. Moore and Strimple *in* Moore and Teichert, 1978, p. T640.

*DACTYLOCRINUS* Sladen, 1878 (*non* Quenstedt, 1876), p. 245. \**D. loreus* Sladen, 1878. Bassler, 1938, p. 83. Bassler and Moodey, 1943, p. 677. Moore and Strimple *in* Moore and Teichert, 1978, p. T640.

*DACTILOCRINUS* Wachsmuth and Springer, 1886, p. 237 (161). Bassler, 1938, p. 82. Bassler and Moodey, 1943, p. 677.

*POTERIOCRINUS (SCYTALEOCRINUS)* Zittel, 1895, p. 136.

Named, currently recognized species based on cups or crowns: 22 species. 1

Devonian, Famennian; 1 Late Devonian – Mississippian, Viséan; 14

Mississippian, 2 Tournaisian, 6 Viséan, 5 Serpukhovian, 1 Mississippian series not designated; 6 Pennsylvanian, 1 Morrowan, 1 Moscovian, 2 Missourian, 2

Virgillian

Devonian, Famennian, Pilton Beds. United Kingdom

Mississippian, Viséan - Serpukhovian (Osagean – Chesterian); Pennsylvanian,

Morrowan, Missourian – Virgillian. United States

Mississippian, Tournaisian - Viséan. Europe

Mississippian - Pennsylvanian, Moscovian. Russia

*Scytalocrinus abnormis* (Worthen, 1875). Bassler and Moodey, 1943, p. 677.

*Scaphiocrinus abnormis* Worthen, 1875, p. 519, Pl. 31, fig. 6. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 558. Bassler and Moodey, 1943, p. 677.

*Poteriocrinus (Scytalocrinus) abnormis* (Worthen, 1875). Wachsmuth and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 677.

Mississippian, SViséan (Chesterian), ?Ste. Genevieve Limestone. United States, Illinois

- Scytalocrinus aftonensis* Strimple, 1951g, p. 294, Figs. 1-4. Webster, 1973, p. 238. Burdick and Strimple, 1983a, p. 94, Pl. 21, figs. 13-14, 18. Webster, 1988, p. 149.  
Mississippian, Serpukhovian (Chesterian), Fayetteville Formation; shale at base Hartselle Sandstone. United States, Oklahoma, Alabama
- Scytalocrinus arachnoides* (sic) Whidborne; Bassler and Moodey, 1943 = *Bridgerocrinus? arachnoideus*
- Scytalocrinus arachnoideus* Whidborne, 1898 = *Bridgerocrinus? arachnoideus*
- Scytalocrinus arbiglandensis* (Wright, 1934) = *Gilmocrinus arbiglandensis* = *Ophiurocrinus arbiglandensis*
- Scytalocrinus barumensis* (Whidborne, 1896). Lane, Maples, and Waters, 2001a, p. 1066, Pl. 5, figs. 4, 10.  
*Cyathocrinus barumensis* Whidborne, 1896, p. 377. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1066.  
*Poteriocrinus barumensis* (Whidborne, 1896). ). Whidborne, 1899, p. 227, Pls. 34, fig. 6; 35, fig. 3. ?Drevertmann, 1903, p. 518. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1066.  
*Hydriocrinus barumensis* (Whidborne, 1896). Schmidt, W. E., 1930, p. 57. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1066.  
Devonian, Famennian, Pilton Beds. United Kingdom, North Devon; Germany
- Scytalocrinus beggi* Wright, 1938 = *Gilmocrinus beggi* = *Ophiurocrinus beggi*
- Scytalocrinus? bellulus* (Miller and Gurley, 1894). Sutton and Hagen, 1939 = *Phanocrinus maniformis*
- Scytalocrinus bisselli* (Worthen, 1873) = *Phacelocrinus bisselli*
- Scytalocrinus braggisi* Laudon, 1941, p. 387, Pl. 57, fig. 3. Easton, 1942, p. 84, Pl. 4, fig. 4. Bassler and Moodey, 1943, p. 677.  
Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma, Arkansas
- Scytalocrinus cantonensis* (Miller and Gurley, 1890). Kammer and Ausich, 1992, p. 470, Figs. 4.3-4.4.  
*Poteriocrinus cantonensis* Miller and Gurley, 1890b, p. 41, Pl. 8, figs. 3-4. Miller and Gurley, 1891, p. 358, Pl. 8, figs. 3-4. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 470.  
*Poteriocrinites cantonensis* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 470.  
Mississippian, Viséan (Meramecian), Harrodsburg Limestone. United States, Indiana

*Scytalocrinus covensis* Wright, 1934 = *Anemetocrinus covensis*

*Scytalocrinus crassibrachiatus* Moore and Strimple, 1973, p. 43, Pl. 4, figs. 3a-3c.  
Webster, 1977, p. 155.

Pennsylvanian, Morrowan, Wapanucka Limestone, Brentwood Member. United States, Oklahoma

*Scytalocrinus dactyloides* (Austin and Austin, 1842) = *Ophiurocrinus dactyloides* =  
*Gilmocrinus dactyloides*

*Scytalocrinus dactylus* (Hall, 1859) = *Cymbiocrinus dactylus*

*Scytalocrinus decabrachiatus* (Hall, 1858) = *Phacelocrinus decabrachiatus*

*Scytalocrinus decadactylus* (Meek and Worthen, 1860). Weller, S., 1898c, p. 558.  
Bassler and Moodey, 1943, p. 677. Van Sant *in* Van Sant and Lane, 1964, p.  
96. Webster, 1973, p. 238. Kammer and Ausich, 1992, p. 469, Figs. 4.5-4.9.  
Ausich *in* Hess et al., 1999 p. 147, Figs. 157-158.

*Poteriocrinus (Scaphiocrinus) decadactylus* Meek and Worthen, 1860, p. 394. Meek  
and Worthen, 1866, p. 238, Pl. 17, fig. 6; Fig. 25. Bassler and Moodey, 1943, p.  
677.

*Pateriocrinus (Scaphiocrinus) decadactylus* Meek and Worthen, 1860. Weller, S.,  
1898, p. 558.

*Poteriocrinus (Scytalocrinus) decadactylus* Meek and Worthen, 1860. Wachsmuth  
and Springer, 1880 (1879), p. 117 (340). Bassler and Moodey, 1943, p. 677.

*Scaphiocrinus decadactylus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 279,  
Fig. 423.

*Scytalocrinus robustus* (Hall, 1861) (part). Kammer and Ausich, 1992, p. 469.

Mississippian, Viséan (middle - late Osagean), Keokuk Limestone; lower part of  
Warsaw Formation, Edwardsville Formation. United States, Illinois, Missouri,  
Indiana, Kentucky

*Scytalocrinus deminutivus* Strimple, 1939b, p. 43, Pl. 3, figs. 8-10. Bassler and  
Moodey, 1943, p. 677.

Pennsylvanian, Missourian, Stanton Limestone, Dewey Limestone. United States,  
Oklahoma

*Scytalocrinus disparilis* (Miller and Gurley, 1890). Van Sant *in* Van Sant and Lane,  
1964, p. 96, Pl. 5, figs. 4, 6. Webster, 1973, p. 238. Kammer and Ausich, 1992,  
p. 470.

*Scaphiocrinus disparilis* Miller and Gurley, 1890b, p. 52, Pls. 9, fig. 1; 10, fig. 2.  
Miller

and Gurley, 1891, p. 367, Pls. 9, fig. 1; 10, fig. 2. Miller, S. A., 1892a, p. 681.

Weller, S., 1898c, p. 543. Bassler and Moodey, 1943, p. 580. Van Sant *in* Van  
Sant and Lane, 1964, p. 96. Webster, 1973, p. 238.

*Pachyocrinus disparilis* (Miller and Gurley, 1890). Bassler and Moodey, 1943, p.  
580.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Scytalocrinus dunlapi* Laudon, 1941, p. 386, Pl. 57, fig. 1. Easton, 1942, p. 84, Pl. 3, fig. 3. Bassler and Moodey, 1943, p. 677.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma, Arkansas

*Scytalocrinus elongatus* (Sladen, 1878) = *Gaelicrinus rostratus*

*Scytalocrinus fountainensis* (Worthen, 1882) = *Ramulocrinus fountainensis*

*Scytalocrinus fremontensis* Pabian and Strimple, 1974b, p. 26, Figs. 9, no. 3; 10, no. 2. Webster, 1986, p. 282.

Pennsylvanian, Virgilian, Coal Creek Limestone. United States, Iowa

*Scytalocrinus garfieldi* Laudon, 1941, p. 388, Pl. 57, fig. 2. Easton, 1942, p. 84, Pl. 4, fig. 5. Bassler and Moodey, 1943, p. 678.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma, Arkansas

*Scytalocrinus? gracilis* (Troost, 1849). Wood, 1909 = *Phacelocrinus gracilis* = *P. longidactylus*

*Scytalocrinus grandis* (Wachsmuth and Springer, 1880) = *Histocrinus coreyi*

*Scytalocrinus hamiltonensis* (Worthen, 1882) = *Parascytalocrinus hamiltonensis*

*Scytalocrinus hoveyi* Springer, 1900 = *Hypselocrinus hoveyi*

*Scytalocrinus kalmiusi* Yakovlev in Yakovlev and Ivanov, 1956, p. 45, Pl. 12, fig. 6. Arendt and Hecker, 1964, p. 89, Pl. 12, fig. 1. Webster, 1973, p. 238.

Mississippian, series not given. Russia, Donetz Basin

*Scytalocrinus larvalis* Strimple, 1939b, p. 42, Pl. 3, figs. 11-13. Bassler and Moodey, 1943, p. 678.

Pennsylvanian, Missourian, Ochelata Formation; Stanton Formation. United States, Oklahoma, Kansas

*Scytalocrinus loreus* Sladen, 1878 = *Gaelicrinus loreus*

*Scytalocrinus maccabei* Laudon and Beane, 1937 = *Hypselocrinus maccabei*

*Scytalocrinus macrodactylus* (Meek and Worthen, 1870) = *Hypselocrinus macrodactylus*

*Scytalocrinus? mcadamsi* (Meek and Worthen, 1873) = *Scytalocrinus robustus* = *S. hamiltonensis* = *Parascytalocrinus hamiltonensis* = *Graphiocrinus mcadamsi*

*Scytalocrinus? mcadamsi* (Meek and Worthen, 1873) = *Parascytalocrinus hamiltonensis*

*Scytalocrinus occiduus* Webster, 1997, p. 22, Pl. 5, fig. 2.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

*Scytalocrinus ornatissimus* Clarke, 1903 = *Maragnicrinus portlandicus*

*Scytalocrinus pentacolumnus* Strimple, 1940b, p. 104, Pl. 9, figs. 14-15. Bassler and Moodey, 1943, p. 678.

Pennsylvanian, Virgilian, Wewoka Formation. United States, Oklahoma

*Scytalocrinus pentonensis* Wright, 1934 = *Anemetocrinus pentonensis*

*Scytalocrinus reconditus* Webster and Lane, 1970, p. 287, Pl. 55, figs. 5-14. Webster, 1977, p. 155.

Mississippian, Serpukhovian (Chesterian), basal part of Bird Spring Formation. United States, Nevada

\**Scytalocrinus robustus* (Hall, 1861). Weller, S., 1898c, p. 559. Grabau and Shimer, 1910, p. 510, Fig. 1825. Bassler and Moodey, 1943, p. 678. Van Sant *in* Van Sant and Lane, 1964, p. 97, Pl. 5, figs. 10-11, 13, 15. Lane, N. G., 1973, p. 60, Figs. 18, 20. Webster, 1973, p. 239. Frest and Strimple, 1977d, p. 860. Webster, 1977, p. 155. Moore and Strimple *in* Moore and Teichert, 1978, p. T640, Fig. 418, nos. 5a-5c. Wolf, 1979, p. 150, Fig. 1, no. d. Webster, 1986, p. 283. Kammer and Ausich, 1992, p. 468, Figs. 4.1-4.2. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 3. Stinchfield, 2008, p. 126, Fig. 07-053.

*Scaphiocrinus robustus* Hall, 1861a, p. 315. Hall, 1861b, p. 7. Hall, 1861c, p. 315. Shumard, 1868, p. 396. Hall, 1872c, Pl. 6, figs. 3-5. Quenstedt, 1885, p. 945, Pl. 75, fig. 15. Miller, S. A., 1889, p. 280. Weller, S., 1898c, p. 559. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 678.

*Poteriocrinus (Scytalocrinus) robustus* (Hall, 1861). Wachsmuth and Springer, 1880 (1879), p. 118 (341). Bassler and Moodey, 1943, p. 678.

*Scaphiocrinus porrectus* Miller, S. A., 1891c, p. 42 (adv. pub). Miller, S. A., 1892a, p. 681. Miller, S. A., 1892, p. 652, Pl. 7, fig. 2. Weller, S., 1898c, p. 547. Bassler and Moodey, 1943, p. 583. Van Sant *in* Van Sant and Lane, 1964, p. 97. Webster, 1973, p. 239. Kammer and Ausich, 1992, p. 468.

*Pachyocrinus porrectus* (Miller, 1891). Bassler and Moodey, 1943, p. 583.

non *Scytalocrinus robustus* (Hall, 1861) (part). Kammer and Ausich, 1992, p. 468. Devonian. Canada, Northwest Territory

Mississippian, Viséan (late Osagean - early Meramecian), Edwardsville Formation; Muldraugh Member, Borden Group; Ramp Creek Formation; Harrodsburg Limestone. United States, Kentucky; Indiana Crawfordsville



*Scytalocrinus robustus* (Hall, 1861) (part) = *Scytalocrinus decadactylus*

*Scytalocrinus rostratus* (Austin and Austin, 1842) = *Phacelocrinus rostratus* =  
*Gaelicrinus rostratus*

*Scytalocrinus sansabensis* Moore and Plummer, 1938 = *Hypselocrinus sansabensis*

*Scytalocrinus seafieldensis* Wright, J., 1948, p. 48, Pl. 5, fig. 6. Wright, J., 1951a, p. 34,  
Pl. 10, fig. 2. Webster, 1973, p. 239.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Scytalocrinus stadiodactylus* (Whidborne, 1896). = *Bridgerocrinus stadiodactylus*

*Scytalocrinus tabulatus* var. *alta* (Müller, 1855) = *Stylocrinus tabulatus altus*

*Scytalocrinus talboti* (Worthen, 1882). Wachsmuth and Springer, 1886, p. 238 (162).  
Weller, S., 1898c, p. 559. Bassler and Moodey, 1943, p. 678. (Not a  
*Scytalocrinus*, GDW.)

*Poteriocrinus talboti* Worthen, 1882, p. 17. Worthen, 1883, p. 287, Pl. 30, fig. 7.

Miller, S. A., 1889, p. 275. Weller, S., 1898c, p. 559. Bassler and Moodey, 1943,  
p. 678.

Mississippian, Viséan (Chesterian), ?Ste. Genevieve Limestone. United States,  
Illinois

*Scytalocrinus tenuis* (Miller, 1821). Bassler and Moodey, 1943, p. 679. (Not a  
*Scytalocrinus*, GDW.)

*Poteriocrinites tenuis* Miller, J. S., 1821, p. 71, Unnum. Pl. Bronn, 1825, Pl. 3, fig. 5.  
Fleming, 1828, p. 495. Bronn, 1837, p. 64, Pl. 4, figs. 8a-8b.

*Poteriocrinus tenuis* (Miller, 1821). Austin and Austin, 1847, p. 83, Pl. 10, figs. 5a-  
5b. d'Orbigny, 1850, p. 156. Roemer, C. F. in Bronn and Roemer, 1851, p. 239,  
Pl. 4, figs. 8a-8b. Roemer, C. F. in Bronn, 1852-1854, p. 239, Pl. 4, figs. 8a-8b.  
Dujardin and Hupé, 1862, p. 127. Bassler and Moodey, 1943, p. 679.

*Encrinites tenuis* (Miller, 1821). Schlotheim, 1822-1823, p. 94, Pl. 25, figs. 3a-3f.  
Schlotheim, 1832, p. 23, Pl. 25, figs. 3a-3f. Roemer, C. F., 1851, p. 239. Bassler  
and Moodey, 1943, p. 679.

*Encrinus* sp. Cumberland, 1819, p. 91 (part). Bassler and Moodey, 1943, p. 645.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom; Belgium, Ireland

*Scytalocrinus urna* (Trautschold, 1879). Bassler and Moodey, 1943, p. 679.

*Phialocrinus urna* Trautschold, 1879a, p. 123, Pl. 15, fig. 5. Trautschold, 1879b, p.  
25, Pl. 4, fig. 5. Bassler and Moodey, 1943, p. 679.

*Poteriocrinus (Scytalocrinus) urna* (Trautschold, 1879). Wachsmuth and Springer,  
1880 (1879), p. 118 (341). Bassler and Moodey, 1943, p. 679.

Pennsylvanian, Moscovian. Russia, Moscow Basin

*Scytalocrinus validus* Wachsmuth and Springer, 1897 = *\*Parascytalocrinus validus*

*Scytalocrinus vanhornei* Wachsmuth and Springer, 1880 = *Phacelocrinus vanhornei*

*Scytalocrinus wachsmuthi* Wetherby, 1880 = *Phacelocrinus wachsmuthi* = *P. bisselli*

*Scytalocrinus wetherbyi* Wachsmuth and Springer, 1880 = *Phacelocrinus wetherbyi* =  
*P. longidactylus*

*Scytalocrinus* sp. indet. Sieverts-Doreck, 1951a, p. 140, Fig. 6 (brachial). Webster,  
1973, p. 276.

Mississippian. Germany

?*Scytalocrinus* sp. indet. Schmidt, 1930. Lane, Maples, and Waters, 2001b, p. 245.  
Devonian, Famennian, Etroeungt. Germany

*Scytalocrinus* spp.

Easton, 1942, p. 84, Pl. 3, fig. 1.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Arkansas

Easton, 1942, p. 84, Pl. 4, fig. 2.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Arkansas

Strimple and Watkins, 1969, p. 198, Pl. 50, fig. 5. Webster, 1977, p. 155.

Mississippian, Serpukhovian (Chesterian), Barnett Formation. United States,  
Texas

Pabian and Strimple, 1974a, p. 289, Pl. 33, fig. 18; Figs. 2, nos. e-f. Webster, 1986,  
p. 283.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone Member.  
United States, Nebraska

Lane, N. G., 1986, p. 156, Figs. 2, 5. Webster, 1993, p. 109.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Indiana

Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, no. C. Webster, 1993, p. 109.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States,  
Kentucky

Meyer and Ausich, 1992, p. 5, Fig. 5, no. C.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States,  
Kentucky

Pabian and Strimple, 1993, p. 38, Fig. 16, no. m.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States,  
Kansas

Greb et al., 2008, p. 18, Fig. 4.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

Meyer and Ausich, 2009, p. 7, Fig. 5, no. C.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States,  
Kentucky

Webster et al., 2004, p. 43, Pl. 11, fig. 6.

*Phaneroocrinus* nov. sp. Pareyn, 1961 (sic). Webster et al., 2004, p. 43.

Mississippian, Serpukhovian, E2, Aïn el Mizab Formation, base of Jouizeb el

## Atchane Member. Algeria

*Scytalocrinus* community Lane, N. G., 1973, p. 75, Fig. 23. Webster, 1977, p. 155.  
Mississippian, Viséan (Osagean), Edwardsville Formation. United States, Indiana

*Scytatocrinus* [sic] *arachnoides* [sic] (Whidborne); Schmidt, 1930 = *Bridgerocrinus?*  
*arachnoideus*

*Scytatocrinus* [sic] *stadiodactylus* (Whidborne) Schmidt, 1930 = *Bridgerocrinus*  
*stadiodactylus*

Sea lilies Moodie, 1917, p. 15, Fig. 7, lower two figures.  
Early Mississippian. United States

Sea lilies (Crinoidea) Stürmer, 1967, p. 48, Fig. 1.  
Devonian, Givetian, Hunsrückschiefer. Germany, Bundenbach

Sea lilies (crinoids) Clark, 1990 = *Campbellocrinus compactus*

Sea lily Stürmer, 1980, p. 17, Unnum. Fig.  
Devonian, Givetian, Hunsrückschiefer. Germany

Sea lily Howell, 1995, p. 99, Pl. 3, figs. 2-3.  
No age or locality given

Seelilien Bartels, 1994, p. 30, Fig. 10.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Seelilien-Jugendformen Bartels and Brassel, 1990, p. 44, Fig. 27.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Seeliliengruppe Bartels, 1998, p. 5, upper figure.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

**SELLARDSICRINUS** Moore and Plummer, 1940. \**S. marrisae* Moore and Plummer,  
1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Sellardsicrinidae

Moore and Plummer, 1940, p. 351. Bassler and Moodey, 1943, p. 679. Moore and  
Laudon, 1943b, p. 62. Moore and Laudon, 1944, p. 175. Strimple and Watkins,  
1969, p. 169. Webster, 1973, p. 239. Webster, 1977, p. 155. Moore and Strimple  
*in* Moore and Teichert, 1978, p. T738. Webster, 1986, p. 283.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian,  
Desmoinesian species

Pennsylvanian, Desmoinesian. United States

*Sellardsicrinus fortunatus* Strimple and Watkins, 1969, p. 170, Pl. 35, figs. 4-8.  
Webster, 1977, p. 155.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge  
Limestone Member. United States, Texas

\**Sellardsicrinus marrisae* Moore and Plummer, 1940, p. 358, Pls. 3, fig. 9; 20, figs. 1-2; 21, fig. 3. Bassler and Moodey, 1943, p. 679. Moore and Laudon, 1944, p. 175, Pl. 64, fig. 29. Strimple and Watkins, 1969, p. 170, Pl. 45, fig. 4. Webster, 1973, p. 239. Webster, 1977, p. 155. Moore and Strimple *in* Moore and Teichert, 1978, p. T738, Fig. 487, no. 3. Webster, 1986, p. 282. Finsley, 1989, p. 97, Fig. 325. Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member; Strawn Formation. United States, Texas

*Sellardsicrinus?* sp. Strimple, 1975h, p. 704, Pl. 1, fig. 16. Webster, 1986, p. 283. Pennsylvanian, Morrowan, Magdalena Formation, LaTuna Member. United States, Texas

**SENARIOCRINUS** Schmidt, 1934. \**S. maucheri* Schmidt, 1934.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Schmidt, W. E., 1934, p. 15. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 679. Moore and Laudon, 1943b, p. 30. Ubaghs, 1953, p. 746. Moore, 1962a, p. 30, Fig. 5, no. 6 (*non* Fig. 5, no. 7 as given on p. 31). Arendt and Hecker, 1964, p. 81. Kesling and Sigler, 1969, p. 343, Figs. 6-10. Webster, 1973, p. 239. Webster, 1977, p. 155. Moore and Lane *in* Moore and Teichert, 1978, p. T532. Webster, 1986, p. 283. Harvey and Ausich, 1997, p. 301, Figs. 3.7, 7 right. Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species

Devonian, Emsian (Coblentzian). Germany

\**Senariocrinus maucheri* Schmidt, W. E., 1934, p. 16, Pl. 1, figs. 1-3; Fig. 1. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 679. Moore, 1962a, p. 30, Pl. 3, fig. 1; Fig. 19. Strimple, 1963d, p. 54, Fig. 12, nos. b-c. Webster, 1973, p. 239. Ubaghs *in* Moore and Teichert, 1978, p. T186, Fig. 157, nos. 1-2. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Fig. 330, no. 1. Webster, 1986, p. 283. Bartels, Briggs, and Brassel, 1998, p. 183, Fig. 159. Ausich et al. *in* Hess et al., 1999 p. 20, Fig. 30.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

**SEPAROCRINUS** Knapp, 1969. \**Plaxocrinus praevalens* Moore, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 382, Fig. 1. Webster, 1977, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T732. Pabian and Strimple, 1985, p. 58. Webster, 1986, p. 283. Webster, 1988, p. 149.

Named, currently recognized species based on cups or crowns: 2 species. 1

Pennsylvanian, Virgilian; 1 Permian, Artinskian

Pennsylvanian, Virgilian. United States

Permian, Artinskian?. China

*Separocrinus discoides* (Chen and Yao, 1993). Webster, Waters, and Chen, 2009, p. 155, Fig. 10, nos. dd-ff.

*Texacrinus discoides* Chen and Yao, 1993, p. 68, Pl. 12, fig. 16-18; Fig. 46, nos. a-c.

Webster, Waters, and Chen, 2009, p. 155.  
Permian, Artinskian?, Dingjiazai Formation. China, Yunnan Province

*Separocrinus facilis* (Strimple, 1950) = *Triceracrinus facilis*

\**Separocrinus praevalens* (Moore, 1939). Knapp, 1969, p. 382, Fig. 48. Webster, 1977, p. 156. Moore and Strimple in Moore and Teichert, 1978, p. T732, Fig. 484, no. 2. Webster, 1986, p. 282.

*Plaxocrinus praevalens* Moore, 1939c p. 229, Pl. 8, figs. 6a-6c; Figs. 13, nos. a-b; 15, no. a. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 5; 63, fig. 16. Knapp, 1969, p. 382. Webster, 1973, p. 217. Webster, 1977, p. 156.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

**SERENDIPOCRINUS** Donovan, 1992. \**S. lamonti* Donovan, 1992, OD.

Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae, Sbf. Cincinnaticrininae

Donovan, 1992b, p. 123.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Ashgillian). United Kingdom, Scotland

\**Serendipocrinus lamonti* Donovan, 1992b, p. 124, Figs. 1-2. Donovan, 1994, p. 75, Fig. 5, no. B. Donovan, 1994, p. 75, Fig. 5, no. B. Donovan, 1996a, p. 197, Fig. 2, no.

h. Donovan, Sutton, and Sigwart, 2011, p. 459, Fig. 6, no. C.

Ordovician, Katian (Ashgillian), Slade Stage, Ladyburn Starfish Bed. United Kingdom, Scotland

Set of arms Masutomi and Hamada, 1966, p. 94, Pl. 47, fig. 3.

Age uncertain

**SHEVCHENKOCRINUS** Bohatý, 2009. \**Shevchenkocrinus looghiensis* Bohatý, 2009.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Parahexacrinitidae

Bohatý, 2009b, p. 1573.

Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species

Devonian, early Givetian. Germany

\**Shevchenkocrinus looghiensis* Bohatý, 2009, p. 1574, Figs. 1-3.

Devonian, early Givetian, Loogh Formation, Lower Baarley Member. Germany

**SHIDIANOCRINUS** Chen, Yao, and Yu, 1985. \**S. conicus* Chen, Yao, and Yu, 1985.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Dimerocrinoidea, F. Dimerocrinitidae

Chen, Yao, and Yu, 1985, p. 550. Webster, 1988, p. 149 (authorship incorrectly cited as Chong-tai, Ji-hui, and Guang-rong). Chen and Yao, 1993, p. 15. Webster, Waters, and Chen, 2009, p. 134.

Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian

Devonian, Givetian. China, Yunnan Province

\**Shidianocrinus conicus* Chen, Yao, and Yu, 1985, p. 550, Pl. 1, figs. 2-4; Fig. 2, nos. A-C. Webster, 1988, p. 150 (authorship incorrectly cited as Chong-tai, Ji-hui, and Guang-rong). Chen and Yao, 1993, p. 15, Pl. 1, fig. 1; Fig. 2. Webster, Waters, and Chen, 2009, p. 135, Fig. 6, nos. a-d.

Devonian, Givetian, Heyuanzhai Formation. China, Yunnan Province

**SHIMANTOCRINUS** Jell, *et al.*, 1988. \**S. distinctodorsus* Jell, *et al.*, 1988.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Dolatocrinidae

Jell, *et al.*, 1988, p. 388. Webster, 1993, p. 109.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian

species

Devonian, Pragian. Australia, New South Wales

\**Shimantocrinus distinctodorsus* Jell, *et al.*, 1988, p. 390, Figs. 24-25. Webster, 1993, p. 109.

Devonian, Pragian, Garra Formation. Australia, New South Wales

**SHINTOCRINUS** Jell, 1999. \**Shintocrinus cometensis* Jell, 1999.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Dendrocrinoidea, F. Plicodendrocrinidae

Jell, 1999a, p. 83.

Named, currently recognized species based on cups or crowns: 2 species. 1 Silurian, Ludlovian; 1 Devonian, Lochkovian

Silurian, Ludlovian - Devonian, early Lochkovian. Australia, Victoria

\**Shintocrinus cometensis* Jell, 1999a, p. 83, Figs. 67-68.

Silurian, Ludlovian, Humevale Formation, Clonbinane Sandstone Member. Australia, Victoria

*Shintocrinus richi* Jell, 1999a, p. 85, Figs. 65, no. A; 66, no. A.

Devonian, early Lochkovian, Humevale Formation. Australia, Victoria

Short delicate pinnular Pisera, 1994, p. 290, Pl. 60, fig. 2.

Ordovician, Darriwilian (Llanvirnian), Mojca Limestone. Poland, Holy Cross Mountains

**SHOTORICRINUS** Webster *et al.*, 2011. \**Shotoricrinus transitorius* Webster *et al.*,

2011.

Sbc. Camerata, O. Monobathrida, Spf. Periechocrinitoidea, F. Periechocrinidea  
Webster et al., 2011, p. 13.

Pennsylvanian, Early Bashkirian. Iran

\**Shotoricrinus transitorius* Webster et al., 2011, p. 13, Fig. 4, nos. aa-ee.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*SHUMARDOCRINUS* Miller and Gurley, 1895 = **STEGANOCRINUS**

*Shumarocrinus concinnus* (Shumard), 1855 = *Actinocrinus concinnus* = *Steganocrinus concinnus*

*SICYOCRINUS* Angelin, 1878 = **BOTRYOCRINUS**

*Sicyocrinus cucurbitaceus* Angelin, 1878 = *Botryocrinus cucurbitaceus*

*SIDEROCRINITES* Troost, ms *in* Wood, 1909 = **SIDEROCRINUS**

**SIDEROCRINUS** Wood, 1909. \**S. ornatus* Troost *in* Wood, 1909.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. uncertain

Wood, E., 1909, p. 104. Bassler, 1915, p. 1158. Bassler, 1938, p. 170. Bassler and  
Moodey, 1943, p. 679. Ubaghs, 1953, p. 737. Webster, 1973, p. 239. Ubaghs  
*in* Moore and Teichert, 1978, p. T433. Webster, 1986, p. 284.

*SIDEROCRINITES* Troost, ms *in* Wood, E., 1909. Bassler, 1915, p. 1158. Bassler,  
1938, p. 170. Bassler and Moodey, 1943, p. 679. Ubaghs *in* Moore and Teichert,  
1978, p. T433.

Named, currently recognized species based on cups or crowns: 1 Silurian, Niagaran  
species

Silurian, Niagaran. United States

\**Siderocrinus ornatus* (Troost, 1849). Wood, E., 1909, p. 105, Pl. 12, fig. 7. Bassler,  
1915, p. 1158. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 679. Ausich,  
2009a, p. 487, suppl. p. 43.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

**SIGAMBROCRINUS** Schmidt, 1942. \**S. laevis* Schmidt, 1942.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae

Schmidt, W. E., 1942, p. 178. Webster, 1973, p. 239. Moore and Lane *in* Moore  
and Teichert 1978, p. T617. Webster, 1986, p. 284. Webster, 1993, p. 109.

LeMenn, 2009, p. 469, Fig. 7.25, no.e

Named, currently recognized species based on cups or crowns: 2 Devonian species,  
1 Pragian, 1 Emsian - Eifelian

Devonian, Pragian. France

Devonian, Emsian – Eifelian. Germany

- \**Sigambrocrinus laevis* Schmidt, W. E., 1942, p. 178, Pls. 11, fig. 7; 19, fig. 2; Fig. 48, no. a. Webster, 1973, p. 239. Moore and Lane *in* Moore and Teichert, 1978, p. T617, Fig. 400, no. 2. Webster, 1986, p. 284.
- Cyathocrinus loganensis* Müller, J., 1859, p. 190. Schmidt, W. E., 1942, p. 178. Bassler and Moodey, 1943, p. 892. Webster, 1973, p. 239.
- Cyathocrinites loganensis* (Müller, 1859). Bassler and Moodey, 1943, p. 892. Devonian, Emsian - Eifelian, Rheinischen Grauwacke, *Orthoceras* Schichten. Germany
- Sigambrocrinus sarthacensis* Le Menn, 1987a, p. 226, Pl. 2, fig. 2; Fig. 5. Le Menn, 1987b, p. 815, Pl. 1, fig. 21; Fig. 4. Webster, 1993, p. 109. Devonian, late Pragian, Saint-Cenere Formation. France
- Sigcaulocrinus typus* Ulrich. Sloan (sic), 2005, p. 153, Fig. 4-61, no. 4.  
**Note:** Uncertain as to what genus this should be assigned to, GDW. Ordovician, Katian, Maquoketa Formation. United States, Minnesota
- SILFONOCRINUS** Ausich, 1986. \**S. siluricus* Ausich, 1986.  
 Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Opsiocrinidae  
 Ausich, 1986b, p. 90. Webster, 1993, p. 109.  
 Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species  
 Silurian, late early or middle Llandoveryian. United States, Ohio
- \**Silfonocrinus siluricus* Ausich, 1986b, p. 91, Figs. 4; 5, nos. 1-5; 6, no. 1. Webster, 1993, p. 109.  
 Silurian, late early or middle Llandoveryian, Brassfield Formation. United States, Ohio
- Silicified arm plates of ophiuroids Krings, et al., 1987, p. 35, Pl. 4, figs. 2-3. (Possibly crinoid brachials. GDW)  
 Mississippian, latest Viséan?. Belgium
- Silurian crinoid Lesley, 1889, p. 250, Fig. 234.  
 Silurian or Late Ordovician. Pennsylvania
- SIMATOCRINUS** Ausich and Kammer, 2010. \**Batocrinus heteroclitus* Miller and Gurley, 1895.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Batocrinidae  
 Ausich and Kammer, 2010a, p. 47.  
 Named, currently recognized species based on cups or crowns: 6 Mississippian, Viséan species  
 Mississippian, Viséan (middle Osagean – early Meramecian). United States
- \**Simatocrinus heteroclitus* (Miller and Gurley, 1895). Ausich and Kammer, 2010a, p. 47. *Batocrinus heteroclitus* Miller and Gurley, 1895b, p. 31, Pl. 1, figs. 37-39. Miller, S. A., 1897, p. 736. Weller, S., 1898c, p. 127. Bassler and Moodey, 1943, p. 325.



- Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1991b, p. 938. Ausich and Kammer, 2010a, p. 47.
- Uperocrinus heteroclitus* (Miller and Gurley, 1895). Ausich and Kammer, 1991b, p. 938, Figs. 1.4-1.13.
- Mississippian, Viséan (Meramecian), upper part of Warsaw Formation. United States, Missouri
- Simatocrinus reliquus* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 47.
- Batocrinus reliquus* Miller and Gurley, 1897, p. 22, Pl. 1, figs. 15-17. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 329. Ausich and Kammer, 2010a, p. 47.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Simatocrinus reservatus* Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 47.
- Batocrinus reservatus* Miller and Gurley, 1897, p. 25, Pl. 1, figs. 22-25. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 33.
- Ausich and Kammer, 2010a, p. 47.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Simatocrinus rotuliformis* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 47.
- Batocrinus rotuliformis* Miller and Gurley, 1897, p. 26, Pls. 1, figs. 26-27; 2, figs. 1-2. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330. Ausich and Kammer, 2010a, p. 47 (misspelled as *B. rotuliformis*).
- Batocrinus rotuliformis* Miller and Gurley, 1897. Miller, S. A., 1897, p. 738 (sic).
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Simatocrinus rusticus* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 47.
- Batocrinus? rusticus* Miller and Gurley, 1897, p. 28, Pl. 2, figs. 3-6. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 133. Bassler and Moodey, 1943, p. 330.
- Ausich and Kammer, 2010a, p. 47.
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri
- Simatocrinus stelliformis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 47.
- Batocrinus stelliformis* Miller and Gurley, 1896b, p. 9, Pl. 1, figs. 13-15. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 135. Bassler and Moodey, 1943, p. 331.
- Lane, N. G., 1963a, p. 700. Webster, 1973, p. 113. Ausich and Kammer, 1991b, p. 938. Ausich and Kammer, 2010a, p. 47.
- Batocrinus vicinus* Miller and Gurley, 1895b, p. 34, Pl. 2, figs. 1-3. Miller, S. A., 1897, p. 739. Bassler and Moodey, 1943, p. 333. Ausich and Kammer, 1991b, p. 938.
- Mississippian, Viséan (Meramecian), upper part of Warsaw Formation. United States, Missouri
- SIMOCRINUS** Knapp, 1969. \**Plaxocrinus modestus* Moore, 1939.
- Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 375, Fig. 2. Webster, 1977, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T732. Webster, 1986, p. 284.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Virgilian species

Pennsylvanian, Virgilian. United States

\**Simocrinus modestus* (Moore, 1939). Knapp, 1969, p. 375, Fig. 34. Webster, 1977, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T732, Fig. 485, no. 3. Webster, 1986, p. 284.

*Plaxocrinus modestus* Moore, 1939c, p. 227, Pl. 8, figs. 3a-3d, 4a-4d; Fig. 12, nos. a-d; 15, nos. b, d. Bassler and Moodey, 1943, p. 633. Knapp, 1969, p. 375. Webster, 1977, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T731, Fig. 480, nos. 1e-1h. Webster, 1986, p. 257.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

*Simocrinus orthodoxus* (Moore, 1939). Knapp, 1969, p. 375. Webster, 1977, p. 156.

*Plaxocrinus orthodoxus* Moore, 1939c, p. 233, Pl. 8, figs. 1a-1c; Figs. 14, nos. a, b; 15, no. c. Bassler and Moodey, 1943, p. 634. Knapp, 1969, p. 375. Webster, 1977, p. 156.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

**SIMPLOCOCRINUS** Frest, Strimple, and Kelly, 1976. \**S. persculptus* Frest, Strimple, and Kelly, 1976.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Frest, Strimple, and Kelly, 1976, p. 141. Kelly, Frest, and Strimple, 1978, p. 1227.  
Webster, 1986, p. 284. Webster, 1993, p. 109. Ausich, 1998b, p. 35.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (late Champlainian). United States

\**Simplococrinus persculptus* Frest, Strimple, and Kelly, 1976, p. 141, Pl. 1, figs. 1-4; Fig. 1. Kelly, Frest, and Strimple, 1978, p. 1228, Pl. 1, figs. 1-11; Figs. 1, nos. A-B. Webster, 1986, p. 284. Broadhead, 1987, p. 183, Fig. 3, no. C. Webster, 1993, p. 109.

Ordovician, Katian (late Champlainian), Clays Ferry Formation; Cynthia Formation, Bromley Shale Member. United States, Kentucky

**SINOCCRINUS** Tien, 1924. \**S. microgranulosus* Tien, 1924.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Erisocrinidae

Tien, 1924, p. 34. Tien, 1926, p. 16. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 679. Moore and Laudon, 1943b, p. 60. Branson, C. C., 1948, p. 211. Tien and Mu, 1955, p. 93. Moore, 1962b, p. 10, Fig. 1, no. 10. Xu, Shan, and Chang, 1962, p. 118, Fig. 1, no. c. Arendt and Hecker, 1964, p. 93. Strimple and Moore, 1971a, p. 9. Webster, 1973, p. 239. Webster, 1977, p. 156. Ubaghs *in* Moore and Teichert, 1978, p. T63, Fig. 43, no. 5. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705. Tianjin Institute of Geology and Mineral Resources, 1985, p. 511. Webster, 1986, p. 284. Hauser, 1999, p. 112, Fig. 39.

Named, currently recognized species based on cups or crowns: 7 species, 2 subspecies. 1 Devonian, Frasnian; 6 Pennsylvanian, 1 Atokan, 1 Moscovian, ?Bashkirian; 4 Taiyun, series uncertain (+2 subspecies) Pennsylvanian. Series uncertain, token, Virgillian. China Pennsylvanian, Moscovian, Bashkirian?. Spain Pennsylvanian, Atokan. United States

*Sinocrinus asymmetricus* Strimple, 1976d, p. 636, Fig. 3, nos. A-B. Webster, 1986, p. 284.

Pennsylvanian, Moscovian, Bashkirian?. Spain

*Sinocrinus? heinorum* Hauser, 1999, p. 112, Pl. 28, fig. 1. (not a *Sinocrinus*, GDW, Sept. 2011)

Devonian, Frasnian (F2i), Neuville Formation. France, Ardenne

*Sinocrinus houkouensis* Tien, 1924, p. 34. Tien, 1926, p. 27, Pl. 3, figs. 1a-1l. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 211.

Pennsylvanian, Series uncertain, ?Atokan (Taiyuan Series). Northern China

*Sinocrinus linchengensis* Tien, 1924, p. 34. Tien, 1926, p. 24, Pl. 1, figs. 5a-5d; Fig. 3. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 211. Tien and Mu, 1955, p. 93, Pl. 49, figs. 6-9; Fig. 37. Wang *et al.*, 1956, p. 462, 4 Unnum. Figs. Webster, 1977, p. 156. Tianjin Institute of Geology and Mineral Resources, 1985, p. 512, Fig. 34.

Pennsylvanian, Series uncertain, ?Atokan, (Taiyuan Series). Northern China, Hopeh Province

\**Sinocrinus microgranulosus* Tien, 1924, p. 34. Tien, 1926, p. 19, Pl. 1, figs. 2-3; Fig. 1. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 211. Tien and Mu, 1955, p. 93, Pl. 49, figs. 1-5; Fig. 36. Wang *et al.*, 1956, p. 461, 5 Unnum. Figs. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T705, Fig. 463, no. 3. Tianjin Institute of Geology and Mineral Resources, 1985, p. 512, Fig. 33. Webster, 1986, p. 285.

Pennsylvanian, Series uncertain, ?Atokan (Taiyuan Series).. Northern China, Hopeh Province

*Sinocrinus microgranulosus pentalobus* Tien, 1924. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 211.

*Sinocrinus pentalobus* Tien, 1924, p. 34. Bassler and Moodey, 1943, p. 680.

*Sinocrinus microgranulosus* var. *pentalobus* Tien, 1926, p. 23, Pl. 1, figs. 4a-4d; Fig. 2. Bassler and Moodey, 1943, p. 680.

Pennsylvanian, Series uncertain, ?Atokan (Taiyuan Series). Northern China

*Sinocrinus microgranulosus* var. *pentalobus* Tien, 1926 = *Sinocrinus microgranulosus pentalobus*

*Sinocrinus nodosus* Tien, 1924, p. 34 Tien, 1926, p. 25, Pl. 1, figs. 6a-6k. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 211.

Pennsylvanian, Series uncertain, ?Atokan (Taiyuan Series). Northern China

*Sinocrinus nodosus spinosus* Tien, 1926, p. 26, Pl. 1, figs. 7a-7c. Bassler and Moodey, 1943, p. 680. Branson, C. C., 1948, p. 212.  
Pennsylvanian, Taiyuan Series. Northern China

*Sinocrinus pentalobus* Tien, 1924 = *Sinocrinus microgranulosus pentalobus*

*Sinocrinus sheareri* Strimple and Watkins, 1969, p. 182, Pl. 39, figs. 8-11. Webster, 1977, p. 156.  
Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

?*Sinocrinus* sp. Lane et al., 1996 = Catacrinid? Indet.

**SINOPETALOCRINUS** Mu and Lin, 1987. \**S. involutus* Mu and Lin, 1987.  
Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Petalocrinidae  
Mu and Lin, 1987, p. 10. Webster, 1993, p. 109.  
Named, currently recognized species based on cups or crowns: 3 Silurian  
Llandoveryian species  
Silurian, middle Llandoveryian. China, Guizhou

\**Sinopetalocrinus involutus* Mu and Lin, 1987, p. 12, Pls. 5, figs. 5-8; 8, figs. 16-17;  
Fig. 2. Webster, 1993, p. 109.  
Silurian, middle Llandoveryian, Leijiatun Formation. China, Guizhou

*Sinopetalocrinus robustus* Mu and Lin, 1987, p. 12, Pls. 6, figs. 1-3; 8, figs. 23, 25.  
Webster, 1993, p. 109.  
Silurian, middle Llandoveryian, Leijiatun Formation. China, Guizhou

*Sinopetalocrinus shiqianensis* Mu and Lin, 1987, p. 12, Pls. 5, figs. 1-4; 8, fig. 22.  
Webster, 1993, p. 110.  
Silurian, middle Llandoveryian, Leijiatun Formation. China, Guizhou

**SIPHOCRINUS** Krejci, 1860 = **SCYPHOCRINITES**

**SIPHONOCRINUS** Miller, 1888. \**Glyptocrinus nobilis* Hall, 1861.  
Sbc. Camerata, O. Diplobathrida, Spf. Dimerocrinitoidea, F. Lampterocrinidae  
Miller, S. A., 1888, p. 263. Miller, S. A., 1889, p. 281. Wachsmuth and Springer,  
1897, p. 209. Weller, S., 1900, p. 85. Bather in Lankester, 1900, p. 199.  
Steinmann, 1903, p. 178. Steinmann, 1907, p. 199. Grabau and Shimer, 1910,  
p.  
553. Springer in Zittel, 1913, p. 187. Bassler, 1915, p. 1162. Bassler, 1938, p.  
171. Bassler and Moodey, 1943, p. 680. Moore and Laudon, 1943b, p. 84.  
Moore  
and Laudon, 1944, p. 187. Ubaghs, 1953, p. 737, Fig. 27. Strimple, 1963d, p. 72,  
fig. 26 (part). Webster, 1973, p. 239. Ubaghs in Moore and Teichert, 1978, p.  
T437. Witzke and Strimple, 1981, p. 112. Webster, 1986, p. 285. Webster, 1988,

- p. 150.
- OCHLEROCRINUS* Strimple, 1963. \**Eucalyptocrinus armosus* McChesney, 1861. Strimple, 1963d, p. 87. Webster, 1973, p. 183. Ubaghs *in* Moore and Teichert, 1978, p. T437.
- Named, currently recognized species based on cups or crowns: 4 species. 3 Silurian, Niagaran; 1 Silurian – Devonian, Pridoli - Lochkovian Silurian, Niagaran; Silurian-Devonian boundary. United States
- Siphonocrinus armosus* (McChesney, 1861). Miller, S. A., 1888, p. 264 Miller, S. A., 1889, p. 281. Wachsmuth and Springer, 1897, p. 211, Pl. 19, figs. 3a-3c. Bassler, 1915, p. 1162. Springer, 1926b, p. 66, Pl. 18, fig. 5. Bassler and Moodey, 1943, p. 680. Ubaghs, 1953, p. 737, Fig. 27. Strimple, 1963d, p. 87. Webster, 1973, p. 239. Ubaghs *in* Moore and Teichert, 1978, p. T438, Fig. 245, no. 2c. Webster, 1986, p. 285.
- Eucalyptocrinus armosus* McChesney, 1861, p. 95, Unnum. Fig. Miller, S. A., 1889, p. 244. Bassler, 1915, p. 1162. Bassler and Moodey, 1943, p. 680.
- Glyptocrinus?* *armosus* (McChesney, 1861). McChesney, 1868, p. 23, Pl. 7, fig. 6. Miller, S. A., 1889, p. 248. Bassler and Moodey, 1943, p. 680.
- Glyptocrinus armosus* (McChesney, 1861). Hall, 1864c, p. 328, Pl. 10, fig. 11. Hall, 1870, p. 373, Pl. 10, fig. 11. Billings, E., 1869-1870, p. 73. Whitfield, 1879, p. 284, Pl. 16, fig. 11. Whitfield, 1882a, p. 284, Pl. 16, fig. 11. Bassler, 1915, p. 1162. Bassler and Moodey, 1943, p. 680.
- Glyptaster armosus* (McChesney, 1861). Wachsmuth and Springer, 1881, p. 370 (p. 196). Bassler, 1915, p. 1162.
- Hypanthocrinus armosus* (McChesney, 1861). Bigsby, 1868, p. 20.
- \**Ochlerocrinus armosus* (McChesney, 1861). Strimple, 1963d, p. 87. Webster, 1973, p. 183.
- Glyptocrinus siphonatus* Hall, 1861, p. 22. Hall, 1864c, p. 328, Pl. 10, fig. 10. Hall, 1867b, p. 328, Pl. 10(1), fig. 10. Shumard, 1868, p. 373. Bigsby, 1868, p. 20, 196. Billings, E., 1869-1870, p. 73. Billings, E., 1870-1871, p. 256. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1162. Bassler and Moodey, 1943, p. 494. Silurian, Niagaran, Racine Dolomite. United States, Wisconsin, Illinois
- “*Siphonocrinus dignis*” Clement and Broadhead, 1994, p. 47.  
Silurian - Devonian, Pridolian - Lochkovian, Decatur Formation; Ross Formation, Birdsong Member. United States, Tennessee
- Siphonocrinus dignus* Strimple, 1963d, p. 73, Pl. 3, figs. 6-7; Fig. 20, no. a. Webster, 1973, p. 239.  
Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma
- \**Siphonocrinus nobilis* (Hall, 1861). Miller, S. A., 1888, p. 264. Miller, S. A., 1889, p. 282, Fig. 428. Wachsmuth and Springer, 1897, p. 212, Pl. 19, figs. 1a-2c. Weller, S., 1900, p. 86, Pl. 2, fig. 1. Steinmann, 1903, p. 178, Fig. 248; 1907, p. 199, Fig. 283. Weller, 1908, p. 158, Fig. 87. Grabau and Shimer, 1910, p. 554, Fig. 1885. Bassler, 1915, p. 1162. Bassler and Moodey, 1943, p. 680. Moore and Laudon, 1944, p. 187, Pl. 72, fig. 21. Webster, 1973, p. 239. Ubaghs *in* Moore and

Teichert, 1978, p. T437, Fig. 245, nos. 2a-2b. Witzke and Strimple, 1981, p. 112,

Pl. 1, figs. 20-22. Webster, 1986, p. 185. Webster, 1988, p. 150.

*Glyptocrinus nobilis* Hall, 1861b, p. 21. Hall, 1861e, p. 21. Hall, 1864c, p. 328, Pl. 10,

figs. 9-10. Hall, 1867b, p. 328, Pl. 10, figs. 9-10. Shumard, 1868, p. 373. Bigsby, 1868, p. 20. Hall, 1870, p. 373, Pl. 10, figs. 9-10. Whitfield, 1879, p. 283, Pl. 16, figs. 9-10. Whitfield, 1882a, p. 283, Pl. 16, figs. 9-10. Miller, S. A., 1889, p. 248. Bassler, 1915, p. 1162. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 680.

*Siphonocrinus pentagonus* Wachsmuth and Springer, 1897, p. 213, Pl. 19, figs. 4a-4b. Miller, S. A., 1897, p. 753. Bassler, 1915, p. 1162. Bassler and Moodey, 1943, p. 680. Bolton, T. E., 1957, p. 54, Pl. 7, figs. 1-4. Strimple, 1963d, p. 87. Webster, 1973, p. 183. Witzke and Strimple, 1981, p. 112. Webster, 1988, p. 150.

*Ochlerocrinus pentagonus* (Wachsmuth and Springer, 1897). Strimple, 1963d, p. 87. Webster, 1973, p. 183.

Silurian, early Niagaran, Racine Dolomite; Hopkinton Dolomite, *Cyrtia* Beds, Amabel Formation. United States, Wisconsin, Illinois, Iowa, Indiana; Canada, Ontario

*Siphonocrinus pentagonus* Wachsmuth and Springer, 1897 = *Sinocrinus nobilis*

**SITULACRINUS** Breimer, 1962. \**Situlacrinus costatus* Breimer, 1962.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
Breimer, 1962a, p. 153. Webster, 1973, p. 240. Lane and Moore *in* Moore and Teichert, 1978, p. T582. McIntosh, 1984, p. 1276. Webster, 1986, p. 285. Webster, 1988, p. 150.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian species  
Devonian, Emsian. Spain

\**Situlacrinus costatus* Breimer, 1962a, p. 154, Pl. 15, figs. 1-6; Figs. 36-37. Webster, 1973, p. 240. Lane and Moore *in* Moore and Teichert, 1978, p. T582, Fig. 374, no. 2. McIntosh, 1984, p. 1276, Figs. 4, nos. A-B; 7. Webster, 1986, p. 285. Webster, 1988, p. 150.

Devonian, Emsian, upper part of La Vid Shale. Spain

**SKAIOCRINUS** Webster, 1990 = **TEXACRINUS**

*Skaioocrinus granulatus* Webster, 1990 = *Texacrinus granulatus*

Skelettberiech von Crinoiden Ebert, 1994, p. 16, fig. 6 (diagramatic).

Skelettelemente von Crinoiden Zankl, 1965, p. 551, Pl. 1, figs. 1a (pinnule), 1b (brachial). Webster, 1973, p. 276.

No age given

- Slab of crinoids Boyt, 1962, Unnum. Figs. p. 3, 5, 9, 11, 13, 15, 19. Webster, 1977, p. 182.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Slabs of unidentified crinoids Musgrove, 1962, Figs. 2-3. Webster, 1977, p. 182.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Small crinoid Bartels, Briggs, and Brassel, 1998, p. 38, Fig. 23.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Small crinoid brachial plate Sprinkle, 1971, p. D94, Fig. 1, no. 81. Webster, 1977, p. 182.  
Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada
- Small ridged thecal plates Sprinkle and Wahlman, 1994, p. 335, Figs. 6.10, 6.13.  
Early Ordovician, Dapingian (middle Arenig), El Paso Group. United States, Texas
- Smooth hybocrinid plates Sprinkle, 1971, p. D91, Fig. 1, nos. 35-37 (anal, basal, radial). Webster, 1977, p. 182.  
Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada
- SNOWYCRINUS*** Webster and Waters, 2005. \**Snowycrinus stonehouseensis* Webster and Waters, 2005.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoida, F. Staphylocrinidae?  
Webster and Waters, 2005, p. 30.  
Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species  
Mississippian, Viséan (early Chesterian). United States
- \**Snowycrinus stonehouseensis* Webster and Waters, 2005, p. 30, Figs. 2.14-2.15.  
Mississippian, Viséan (early Chesterian), Otter Formation. United States, Montana
- SOSTRONOCRINUS*** Strimple and McGinnis, 1969. \**S. superbus* Strimple and McGinnis, 1969.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae  
Strimple and McGinnis, 1969, p. 21. Webster, 1977, p. 156. Moore and Strimple in Moore and Teichert, 1978, p. T647. Webster, 1986, p. 285. Haude and Thomas, 1989, p. 375. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 110. McIntosh, 2001, p. 801. Lane, Maples, and Waters, 2001a, p. 1069. Lane, Maples, and Waters, 2001b, p. 245. Waters et al., 2003, p. 944.  
Named, currently recognized species based on cups or crowns: 9 species. 7 Devonian, Famennian; 2 Mississippian, Tournaisian  
Devonian, Famennian, Etroeungt. Germany

Mississippian, Tournaisian (Kinderhookian). United States  
 Mississippian, Tournaisian, Tn2, ?Upper *Siphonodella crenulata* Biozone. Iowa;  
 Russia  
 Devonian, Famennian. China, Xinjiang

*Sostronocrinus aberratus* Webster and Waters, 2009, p. 279, Fig. 3, nos. I-J.  
 Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uyghur  
 Autonomous Region

*Sostronocrinus hibernicus* Ausich and Sevastopulo, 2001, p. 94, Pl. 10, figs. 5, 10-11;  
 Fig. 11, nos. K-L.  
 Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

*Sostronocrinus minutus* (Lane, Waters, and Maples, 1997). Lane, Maples, and Waters,  
 2001a, p. 1068. Waters et al., 2003, p. 945.  
*Bridgerocrinus minutus* Lane, Waters, and Maples, 1997, p. 28, Figs. 8.15-8.16,  
 9.10, 9.13b, 10.1. Lane, Maples and Waters, 2001a, p. 1068.  
 Rhenocrinoid Hou, et al., 1994, p. 8, Pl. 1, fig. 5. Lane, Waters, and Maples, 1997,  
 p. 28.  
 Inadunate crinoid Lane, et al., 1995, p. 93. Lane, Waters, and Maples, 1997, p. 28.  
 Devonian, Famennian, Hongguleleng Formation, lower member, red limestones.  
 China, Xinjiang-Uygur Autonomous Region

*Sostronocrinus mundus* (Whidborne, 1899). Lane, Maples, and Waters (sic), 2001a, p.  
 1069, Pl. 5, figs. 7-8.  
*Mariacrinus?* (*Mariacrinus*) *mundus* Whidborne, 1899, p. 219, Pls. 34, fig. 5?; 37,  
 figs. 6-7. Bassler and Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a,  
 p. 1069.  
*Hydriocrinus mundus* (Whidborne, 1899). Schmidt, W. E., 1930, p. 87. Bassler and  
 Moodey, 1943, p. 517. Lane, Maples, and Waters, 2001a, p. 1069.  
*Mariocrinus?* *mundus* Whidborne, 1899. Lane, Maples, and Waters, 2001a, p. 1069.  
 Devonian, Famennian, Marwood Beds. United Kingdom

*Sostronocrinus?* *paprothae* Haude and Thomas, 1989, p. 377, Pls. 1, figs. 1-4; 2, fig. 1;  
 Fig. 3, no. B. Webster, 1993, p. 110.  
 Devonian, Famennian, Velbert Formation. Germany

*Sostronocrinus?* *pauli* Haude and Thomas, 1989, p. 378, Pls. 1, fig. 6; 2, fig. 2; Figs. 3,  
 no. C; 4. Webster, 1993, p. 110.  
 Devonian, Famennian, Velbert Formation. Germany

*Sostronocrinus quadribrachiatus* Waters et al., 2003, p. 944, Figs. 11, nos. 1-4; 13, nos.  
 6, 10-11. Webster and Waters, 2009, p. 279, Fig. 5, nos. G-I.  
*Bridgerocrinus minutus* Lane et al., 1997. Lane, Maples and Waters, 2001a, p.  
 1068.  
 ?*Graphiocrinus* species Lane, Waters, and Maples, 1997, p. 40, Figs. 11, no. 2; 16,  
 nos. 1-2 only. Webster and Waters, 2009, p. 279.  
 Devonian, Famennian, Hongguleleng Formation, lower member, marly beds. China,



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?*Sostronocrinus ratingensis* (Schmidt, W. E., 1930). Lane, Maples, and Waters, 2001b, p. 245.

*Hydriocrinus ratingensis* Schmidt, W. E., 1930, p. 53, Pl. 3, figs. 21a-21c; fig. 10. Bassler and Moodey, 1943, p. 518. (Not an *Hydriocrinus*, N. G. Lane, pers. comm.)

*Poteriocrinus barumensis* Drevermann, 1903, p. 518. Bassler and Moodey, 1943, p. 518.

Devonian, Famennian, Etroeungtian, Graywacke Beds. Germany

\**Sostronocrinus superbus* Strimple and McGinnis, 1969, p. 22, Fig. 8, nos. 1-3.

Webster, 1977, p. 156. Moore and Strimple *in* Moore and Teichert, 1978, p. T647, Fig. 423, no. 2. Webster, 1986, p. 285.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

*Sostronocrinus?* n. sp.? Haude and Thomas 1989, p. 376, Pl. 1, fig. 5; Fig. 3, no. A. Webster, 1993, p. 110.

Devonian, Famennian, Velbert Formation. Germany

*Sostronocrinus* sp. indet. Lane, Maples, and Waters, 2001b, p. 246, Fig. 5, no. B.

Devonian, Famennian, Etroeungt. Germany

**SPANIOCRINUS** Wanner, 1924. \**S. validus* Wanner, 1924.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Spaniocrinidae

Wanner, 1924, p. 181. Bassler, 1938, p. 171. Moore and Plummer, 1940, p. 133.

Bassler and Moodey, 1943, p. 681. Moore and Laudon, 1943b, p. 60, Fig. 8.

Branson, C. C., 1948, p. 212. Arendt and Hecker, 1964, p. 92. Moore and

Strimple, 1973, p. 45. Webster, 1973, p. 240. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T655. Webster, 1986, p. 285.

Named, currently recognized species based on cups or crowns: 4 Permian species, 1 Artinskian, 1 Artinskian or Roadian, 1 Wolfcampian, 1 series uncertain

Permian, series uncertain. West Timor

Permian, latest Artinskian or earliest Roadian. Australia, Queensland

Permian, Artinskian. Russia

Permian, Wolfcampian. United States

*Spaniocrinus geniculatus* Webster and Jell, 1999b, p. 299, Fig. 9, nos. A-D.

Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

*Spaniocrinus transcausicus* Yakovlev, 1933, p. 976, Pl. 1, figs. 1a-1c. Bassler and

Moodey, 1943, p. 681. Branson, C. C., 1948, p. 212. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 83, Pl. 19, fig. 3. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 18.

Webster, 1973, p. 240.

Permian, Artinskian. Russia, Transcaucasia

*Spaniocrinus? trinodus* (Weller, 1909). Moore and Plummer, 1940, p. 134, Pl. 2, fig. 2.  
Bassler and Moodey, 1943, p. 681. Branson, C. C., 1948, p. 212.

*Erisocrinus trinodus* Weller, S., 1909, p. 630, Pl. 1, figs. 10-11. Bassler and Moodey, 1943, p. 681. Branson, C. C., 1948, p. 212.

Permian, Wolfcampian, Cibolo Limestone. United States, Texas

\**Spaniocrinus validus* Wanner, 1924, p. 293, Pl. 19, fig. 4. Bassler, 1938, p. 171.  
Bassler and Moodey, 1943, p. 681. Branson, C. C., 1948, p. 212. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 18. Webster, 1973, p. 240. Moore and Strimple *in* Moore and Teichert, 1978, p. T655, Fig. 429, no. 4. Webster, 1986, p. 285.  
Permian, series uncertain. West Timor, Basleo

*Spaniocrinus* sp. Moore and Strimple, 1973, p. 45, Pl. 4, figs. 6a-6b. Webster, 1977, p. 157 (radials and basal parts of arms).

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

Species unknown Haugh, 1975a, p. 480, Pl. 3, fig. 8. Webster, 1986, p. 323.  
Mississippian, Viséan (Osagean), Boone Chert. United States, Missouri

*SPHAEROCRINITES* Steininger, 1853 = ***SPHAEROCRINUS***

*Sphaerocrinites stellatus* Steininger, 1853 = *Sphaerocrinus stellatus*

***SPHAEROCRINUS*** Roemer, 1851. \**Cyathocrinites geometricus* Goldfuss, 1831.  
Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Sphaerocrinidae  
Roemer, C. F., 1851b, p. 369. Sandberger and Sandberger, 1856, p. 389. Zittel, 1880, p. 343, 353. Bather, 1890b, p. 332. Bather, 1892d, p. 207. Whidborne, 1895, p. 210. Jaekel, 1895a, p. 68. Wachsmuth *in* Zittel, 1900, p. 158.  
Steinmann, 1903, p.180. Springer *in* Zittel, 1913, p. 218. Bassler, 1938, p. 171.  
Bassler and Moodey, 1943, p. 681. Moore and Laudon, 1943b, p. 50. Ubaghs, 1953, p. 750. Xu, 1962, p. 45, Fig. 1. Webster, 1973, p. 240. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Webster, 1986, p. 286. Hauser, 1997, p. 51, Fig; 17. Hauser, 2001, p. 92, Fig. 74. Hauser *in* Hauser and Landeta, 2007, p. 44,  
Fig. 3. Hauser, 2008, p. 16, Fig. 20.

*SPHAEROCRINITES* Steininger, 1853, p. 38. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 681. Lane and Moore *in* Moore and Teichert, 1978, p. T588.  
Named, currently recognized species based on cups or crowns: 5 Devonian species, 3 subspecies, 1 infrasubspecies; 1 emsian – Eifelian boundary, 3 Eifelian (+3 subspecies, (+1 infrasubspecies), 1 Eifelian – Givetian)  
Devonian, Eifelian - Givetian. Germany, United Kingdom

*SPHAEROCRINUS* Meek and Worthen, 1865 (*non* Roemer, 1851) = ***COELOCRINUS***

\**Sphaerocrinus geometricus* (Goldfuss, 1831). Roemer, C. F., 1851b, p. 366, Pl. 8, figs. 1a-1e. Quenstedt, 1852, p. 626, Pl. 54, fig. 26. Quenstedt, 1885, p. 949, Pl.

- 76, figs. 5-6. Whidborne, 1895, p. 211, Pl. 24, figs. 7-10. Holzapfel, 1895, p. 300. Yakovlev, 1930c, p. 377, Fig. 2. Bassler and Moodey, 1943, p. 681. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Fig. 378, nos. 1d-1f. Webster, 1986, p. 286. Hauser, 1997, p. 51, Pl. 68, figs. 3, 5-7. Hauser, 2001, p. 94, Pl. 27, figs. 1-2; Fig. 76, nos. 5a-5b. Hauser, 2008, p. 16, Fig. 19.
- Cyathocrinites geometricus* Goldfuss, 1831, p. 189, Pl. 58, fig. 5a-5b. Austin and Austin, 1845, p. 61, Pl. 7, figs. 5a-5e. Bassler, 1938, p. 171. Bassler and Moodey, 1943, p. 681.
- Cyathocrinus geometricus* (Goldfuss, 1831). Phillips, 1841, p. 135, Pl. 60, fig. 41. Bronn, 1848, p. 366. d'Orbigny, 1850, p. 103. Baily, 1875, Pl. 30, fig. 2. Bassler and Moodey, 1943, p. 681.
- Poteriocrinus geometricus* (Goldfuss, 1831). Müller, J., 1857, p. 250, Pls. 2, figs. 4-7; 4, figs. 1-3. Dujardin and Hupé, 1862, p. 131. Schultze, 1866, p. 51 (adv. pub.). Schultze, 1867, p. 163, Pl. 5, figs. 6c-6e. Kayser, 1872, p. 684. Maurer, 1875, p. 609. Quenstedt, 1876, p. 535, Pl. 108, figs. 69-74. Bassler and Moodey, 1943, p. 681.
- Poteriocrinus geometricus* var. *typus* (Goldfuss, 1831). Schultze, 1866, p. 51 (adv. Pub). Schultze, 1867, p. 163, Pl. 5, figs. 6-6b. Bassler and Moodey, 1943, p. 681.
- Sphaerocrinus geometricus typus* (Schultze, 1867). Hauser, 1997, p. 52, Pls. 68, figs. 1-2, 4; 69, fig. 4-5, 7. Hauser, 2001, p. 14, Pl. 27, fig. 4; Fig. 16. Hauser, 2008, p. 18, Pl. 3, fig. 9; Fig. 23.
- Poteriocrinus geometricus* var. *ornatus tuberculatus* Schultze, 1866, p. 53 (adv. pub.). Schultze, 1867, p. 165, Pl. 5, fig. 6k. Bassler and Moodey, 1943, p. 681. Devonian, Eifelian. Germany
- Sphaerocrinus geometricus* cf. *ornata tuberculata* (Schultze, 1867). Hauser, 1997, p. 52, Pl. 69, fig. 6. Devonian, Givetian, Loogh Formation. Germany
- Sphaerocrinus geometricus reticularis* (Schultze, 1866). Bassler and Moodey, 1943, p. 682. Hauser, 1997, p. 52.
- Poteriocrinus geometricus* var. *reticularis* Schultze, 1866, p. 53 (adv. pub.). Schultze, 1867, p. 165, Pl. 5, figs. 6f, 6i. Bassler and Moodey, 1943, p. 682. Devonian, Eifelian. Germany
- Sphaerocrinus geometricus trabeculatus* Quenstedt, 1876 = *Sphaerocrinus trabeculatus*
- Sphaerocrinus geometricus typus* (Schultze); Hauser, 1997 = *Sphaerocrinus geometricus*
- Sphaerocrinus laevigatus* Jaekel, 1895a, p. 72, Fig. 21. Bassler and Moodey, 1943, p. 682. Devonian, Eifelian. Germany

*Sphaerocrinus paucisculptus* Wanner, 1942 = *Sphaerocrinus geometricus*

*Sphaerocrinus stellatus* (Steininger, 1853). Bassler and Moodey, 1943, p. 682.

*Sphaerocrinites stellatus* Schnur in Steininger, 1853, p. 38. Bassler and Moodey, 1943, p. 682.

Devonian, Eifelian. Germany

*Sphaerocrinus trabeculatus* Quenstedt, 1861, Unnum. fig. Quenstedt, 1885, p. 949, Pl. 76, fig. 6; Fig. 353. Bassler and Moodey, 1943, p. 682.

*Sphaerocrinus geometricus trabeculatus* Quenstedt, 1876, p. 537, Pl. 108, fig. 73. Bassler and Moodey, 1943, p. 682.

*Poteriocrinus trabeculatus* (Quenstedt, 1861). Quenstedt, 1885, Fig. 353 (in error). Hauser, 2001, p. 13, Fig. 14.

Devonian, Eifelian. Germany

*Sphaerocrinus wolfgangschmidti* Hauser in Hauser and Landeta, 2007, p. 43, Figs. 4, 6. Devonian, Boundary beds Emsian- Eifelian, Moniello Formation. Spain

?*Sphaerocrinus* or ?*Lecythocrinus* Hauser, 2001, p. 92, Pl. 13, fig. 4; Fig. 75.

?*Poteriocrinus* Schultze, 1866. Hauser, 2001, p. 92

Devonian, Eifelian, Freilingen Formation. Germany

*Sphaerocrinus* sp. indet. Schmidt, W. E., 1942, p. 160, Pl. 9, figs. 4a-4c. Webster, 1973, p. 240.

Early Devonian. Spain

**SPHAEROTOCRINUS** Goldring, 1923. \**S. ornatus* Goldring, 1923.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Goldring, 1923, p. 99. Bassler, 1938, p. 172. Bassler and Moodey, 1943, p. 682.

Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 185. Ubaghs,

1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 240. Ubaghs in Moore and Teichert, 1978, p. T431. Webster, 1986, p. 286.

Named, currently recognized species based on cups or crowns: 1 Devonian,

Lochkovian species

Devonian, Lochkovian. United States

\**Sphaerotocrinus ornatus* Goldring, 1923, p. 99, Pl. 3, figs. 7-8; Fig. 35. Bassler, 1938,

p. 172. Bassler and Moodey, 1943, p. 682. Moore and Laudon, 1943b, p. 138,

Pl. 9, fig. 3. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 24. Webster, 1973, p.

240. Ubaghs in Moore and Teichert, 1978, p. T431, Fig. 239, no. 2. Webster,

1986, p. 286. Gil *et al.*, 1999, p. 862, Fig. 1, no. c. Torres, Gil Cid, and

Domínguez, 1999, p. 195, Fig. 1.

Devonian, Lochkovian, Keyser Formation. United States, Pennsylvania

**SPHENARTHROPTERA** Moore, 1939. *Nomen vetitum* \**Ethelocrinus monticulatus*

Beede, 1899.

Moore, 1939b, p. 247. Jeffords *in* Moore and Teichert, 1978, p. T937 (brachial plates).  
Pennsylvanian, Virgilian. United States, Kansas

\**Sphenarthropterum monticulatum* (Beede, 1899) = *Ethelocrinus monticulatus*

**SPHENISCOCRINUS** Wanner, 1937. \**S. spinosus* Wanner, 1937.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. and F. uncertain  
Wanner, 1937, p. 175. Bassler, 1938, p. 172. Bassler and Moodey, 1943, p. 682.

Moore and Laudon, 1943b, p. 56. Branson, C. C., 1948, p. 212. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 240. Moore, Lane, and Strimple *in* Moore

and Teichert, 1978, p. T676. Webster, 1986, p. 286.

Named, currently recognized species based on cups or crowns: 2 Permian species, 1 Artinskian, 1 species uncertain

Permian, series uncertain. West Timor

Permian, Artinskian. Australia, Western Australia

*Spheniscocrinus australis* Webster and Jell, 1992, p. 339, Fig. 11, no. A.

Permian, Artinskian, upper part of Bulgadoo Shale or lower part of Cundlego Formation. Australia, Western Australia, Carnarvon Basin

\**Spheniscocrinus spinosus* Wanner, 1937, p. 176, Pl. 11, figs. 20-21; Fig. 62. Bassler, 1938, p. 172. Bassler and Moodey, 1943, p. 682. Branson, C. C., 1948, p. 212. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T676, Fig. 444, no. 4. Webster, 1986, p. 286.

Permian, series uncertain. West Timor, Basleo

**SPIROCRINUS** Mu and Wu, 1974. \**S. typicus* Mu and Wu, 1974.

Sbc. Cladida, Sbo. - F. uncertain

Mu and Wu, 1974, p. 208. Webster, 1986, p. 285. Mu and Lin, 1987, p. 12.

Webster, 1993, p. 110.

Named, currently recognized species based on cups or crowns: 6 Silurian, Llandoveryan species

Silurian, middle Llandoveryan. China, Guizhou

*Spirocrinus abnormis* Mu and Lin, 1987, p. 14, Pl. 7, figs. 8-14. Webster, 1993, p. 110.  
Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

*Spirocrinus longus* Mu and Wu, 1974, p. 208, Pl. 97, figs. 6-8. Webster, 1986, p. 286.

Mu and Lin, 1987, p. 13, Pl. 6, figs. 8-15. Webster, 1993, p. 110.

Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

*Spirocrinus multiramus* Mu and Lin, 1987, p. 15, Pls. 7, figs. 15-16; 8, fig. 4. Webster, 1993, p. 110.

Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

*Spirocrinus pauciramus* Mu and Lin, 1987, p. 14, Pl. 7, figs. 1-3. Webster, 1993, p. 110.

Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

*Spirocrinus uniformis* Mu and Lin, 1987, p. 13, Pls. 7, figs. 4-7; 8, 13-15. Webster, 1993, p. 110.

Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

\**Spirocrinus typicus* Mu and Wu, 1974, p. 208, Pl. 97, figs. 1-5. Webster, 1986, p. 286. Mu and Lin, 1987, p. 12, Pls. 6, figs. 4-7; 8, figs. 5, 28; Fig. 3. Webster, 1993, p. 110.

Silurian, middle Llandoveryan, Leijiatus Formation. China, Guizhou

**SPRINGERACROCRINUS** Moore and Strimple, 1969. \**Acrocrinus intermedius* Springer, 1926.

Sbc. Camerata, O. Monobathrida, Sbc. Compsocrinina, Spf. Hexacrinitoidea, F. Acrocrinidae

Moore and Strimple, 1969a, p. 41. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T487. Arendt and Stupachenko, 1983, p. 70. Burdick and Strimple, 1983a, p. 197. Arendt and Stupachenko, 1984, p. 72. Broadhead, 1985, p. 209, Fig. 3. Webster, 1986, p. 286. Lane and Sevastopulo, 1987, p. 205. Webster, 1988, p. 150. Webster, 1993, p. 111.

Named, currently recognized species based on cups or crowns: 3 Mississippian species, 1 Tournaisian, 1 Viséan, 1 Viséan - Serpukhovian

Mississippian, Viséan – Serpukhovian (middle Osagean - early middle Chesterian). United States

Mississippian, Tournaisian. Iran

*Springeracrocrinus conicus* Webster et al., 2003, p. 9, Figs. 5.3-5.5.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

\**Springeracrocrinus intermedius* (Springer, 1926). Moore and Strimple, 1969a, p. 41, Figs. 1, no. 10; 24, nos. 3-6. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T487, Figs. 282, no. 10; 289, nos. 2a-2b. Burdick and Strimple, 1983a, p. 197, Pl. 1, fig. 6. Broadhead, 1985, p. 210, Fig. 4, no. G. Webster, 1986, p. 286. Webster, 1988, p. 150.

*Acrocrinus intermedius* Springer, 1926b, p. 43, Pl. 12, figs. 2-5. Moore, 1939b, p. 231, Fig 11, no. 9. Bassler and Moodey, 1943, p. 265. Moore and Strimple, 1969a, p. 41. Webster, 1977, p. 157.

Mississippian, Viséan – Serpukhovian (Chesterian), Renault Formation; Bangor Formation. United States, Illinois, Alabama

*Springeracrocrinus mjatschkowensis* (Yakovlev, 1926) = *Acrocrinus mjatschkowensis* = \**Paracrocrinus mjatschkowensis*

*Springeracrocrinus praecursor* (Springer, 1926). Moore and Strimple, 1969a, p. 42, Fig. 24, no. 2. Webster, 1977, p. 157.

*Acrocrinus praecursor* Springer, 1926b, p. 42, Pl. 12, fig. 1. Bassler and Moodey, 1943, p. 265. Moore and Strimple, 1969a, p. 42. Webster, 1977, p. 157. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

**SPRINGERICRINUS** Jaekel, 1918. \**Poteriocrinus magniventrus* Springer, 1911. Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Poteriocrinidae Jaekel, 1918, p. 62. Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 682. Moore and Laudon, 1943b, p. 54. Moore and Laudon, 1944, p. 157. Webster, 1973, p. 240. Moore and Strimple *in* Moore and Teichert, 1978, p. T633. Webster, 1986, p. 287. Webster, 1988, p. 150. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 465. Named, currently recognized species based on cups or crowns: 5 Mississippian species, 1 ?Tournaisian, 4 Viséan Mississippian, Viséan (Osagean). United States

*Springericrinus doris* (Hall, 1861). Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 6. Moore

and Laudon, 1944, p. 157, Pl. 58, fig. 12. Webster, 1973, p. 240. Lane and Howell, 1986, p. 901. Webster, 1993, p. 111. Ausich and Kammer, 2010b, p. 120, Fig. 4, no. A.

*Scaphiocrinus doris* Hall, 1861a, p. 312. Hall, 1861b, p. 7. Hall, 1861c, p. 312. Shumard, 1868, p. 395. Miller, S. A., 1889, p. 279. Weller, S., 1898c, p. 474. Bassler and Moodey, 1943, p. 640. Moore and Laudon, 1943b, p. 133. Webster, 1973, p. 240. Moore and Strimple *in* Moore and Teichert, 1978, p. T633, Fig. 413, no. 2f. Webster, 1986, p. 262.

*Poteriocrinus doris* (Hall, 1861). Wachsmuth and Springer, 1880 (1879), p. 111 (334). Weller, S., 1898c, p. 474. Springer, 1911c, p. 152, Pl. 4, figs. 1-6. Bassler and Moodey, 1943, p. 640.

*Poteriocrinites doris* (Hall, 1961). Bassler and Moodey, 1943, p. 640. Lane and Howell, 1986, p. 901. Webster, 1993, p. 111.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

?*Springericrinus doris* (Hall, 1861). Kammer and Ausich, 1992, p. 466.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

*Springericrinus macropleurus* (Hall, 1861). Lane and Howell, 1986, p. 901. Webster, 1993, p. 111.

*Cyathocrinus macropleurus* Hall, 1861a, p. 295. Hall, 1861b, p. 5. Hall, 1861c, p. 295. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236. Weller, S., 1898c, p. 639. Bassler and Moodey, 1943, p. 642.

*Vasocrinus macropleurus* (Hall, 1861). Miller, S. A., 1889, p. 287. Weller, S., 1898c, p. 639. Weller, S., 1909, p. 278, Pl. 11, fig. 21. Bassler and Moodey, 1943, p. 642.

*Poteriocrinus macropleurus* (Hall, 1861). Springer, 1911c, p. 151, Pl. 4, figs. 7-11.  
Bassler and Moodey, 1943, p. 642.

*Poteriocrinites macropleurus* (Hall, 1861). Bassler and Moodey, 1943, p. 642.  
Moore

and Laudon, 1944, p. 155, Pl. 58, fig. 3. Webster, 1973, p. 222. Moore and Strimple *in* Moore and Teichert, 1978, p. T632, Fig. 413, nos. 2d-2e. Webster, 1986, p. 262. Lane and Howell, 1986, p. 901. Webster, 1993, p. 111.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone; New Providence Shale. United States, Iowa, New Mexico, Kentucky

\**Springericrinus magniventrus* (Springer, 1911). Jaekel, 1918, p. 62. Bassler and Moodey, 1943, p. 682. Moore and Laudon, 1944, p. 157, Pl. 58, fig. 9. Van Sant *in* Van Sant and Lane, 1964, p. 90, Pl. 4, figs. 13, 17. Webster, 1973, p. 240. Moore and Strimple *in* Moore and Teichert, 1978, p. T633, Fig. 413, no. 3. Kammer, 1984, p. 126, Fig. 2, nos. F-H. Webster, 1986, p. 287. Webster, 1988, p. 150. Kammer and Ausich, 1992, p. 465.

*Poteriocrinus magniventrus* Springer, 1911c, p. 155, Pls. 5, figs. 1-3; 6, figs. 1-3.  
Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 682.

Mississippian, Viséan (late Osagean), Edwardsville Formation, New Providence Shale. United States, Indiana, Kentucky

*Springericrinus robustus* (Wright, J., 1950). Ausich and Kammer, 2006, p. 105.

*Poteriocrinites robustus* Wright, J., 1950, p. 10, Pl. 5, figs. 2-3. Webster, 1973, p. 222. Ausich and Kammer, 2006, p. 105.

Mississippian, Tournaisian?. United Kingdom, Scotland

*Springericrinus sacculus* Lane and Howell, 1986, p. 901, Fig. 1, nos. 1-4. Kammer and Ausich, 1992, p. 466. Webster, 1993, p. 111.

Mississippian, Viséan (late Osagean), Edwardsville Formation. United States, Indiana

Spyridiocrinid gen. et sp. nov. Jell, *et al.*, 1988, p. 361, Figs. 4, nos. A-B; 5. Webster, 1993, p. 111.

Devonian, Pragian, Garra Formation. Australia, New South Wales

**SPYRIDIOCRINUS** Oehlert, 1889. \**S. cheuxi* Oehlert, 1889.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Oehlert, 1889, p. 786. Zittel, 1895, p. 132. Bather *in* Lankester, 1900, p. 163.

Wachsmuth *in* Zittel, 1900, p. 145. Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 717. Ubaghs, 1950, p. 108, Fig. 8. Ubaghs, 1953, p. 735. Webster, 1973, p. 240. Ubaghs *in* Moore and Teichert, 1978, p. T109, T412, Fig. 83, no. 1. Prokop, 1986, p. 350. Webster, 1986, p. 287. Webster, 1988, p. 150. Webster, 1993, p. 111.

**LAHUSENIOCRINUS** Tschernyschew, 1892, p. 123. \**L. tirlensis* Tschernyschew, 1892. Bather *in* Lankester, 1900, p. 200. Bassler, 1938, p. 120. Bassler and Moodey, 1943, p. 529. Moore and Laudon, 1943b, p. 82. Ubaghs, 1950, p. 108. Webster, 1973, p. 240. Ubaghs *in* Moore and Teichert, 1978, p. T412.



Named, currently recognized species based on cups or crowns: 3 Devonian species,  
 1 Pragian, 1 Emsian, 1 Early Devonian, series not designated  
 Early Devonian, series not given. Russia  
 Devonian, Pragian. Czech Republic,  
 Devonian, Emsian. France

\**Spyridiocrinus cheuxi* Oehlert, 1889, p. 786, Figs. 1, 2. Oehlert, 1891, p. 223, Pls. 7-8.  
 Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 717. Ubaghs, 1950, p. 109,  
 Pl. 1, figs. 1-6; Figs. 2-6. Le Menn, 1985, p. 30, Fig. 11. Webster, 1973, p. 241.  
 Ubaghs *in* Moore and Teichert, 1978, p. T103, T412, Figs. 76, no. 2; 222, nos.  
 1a-1d. Webster, 1986, p. 287. Webster, 1988, p. 151.

*Trybliocrinus cheuxi* (Oehlert, 1889). Bassler and Moodey, 1943, p. 717.  
 Devonian, Emsian, Angers Limestone. France, Armorican Massif

*Spyridiocrinus tirlensis* (Tschernyschew, 1892). Ubaghs, 1950, p. 109, Fig. 1.  
 Webster, 1973, p. 241.

*Lahuseniocrinus tirlensis* Tschernyschew, 1892, p. 123. Tschernyschew, 1893, p.  
 82, Pl. 14, fig. 2. Bassler, 1938, p. 120. Bassler and Moodey, 1943, p. 529.  
 Ubaghs, 1950, p. 109. Webster, 1973, p. 241.

Early Devonian, series not given. Russia, east slope of Urals

*Spyridiocrinus ubaghsi* Prokop, 1986, p. 350, Pl. 1, fig. 1. Prokop and Petr, 1990, p.  
 50. Webster, 1993, p. 111.

Devonian, Pragian, Koneprusy Limestone. Czech Republic, Bohemia

*Spyridiocrinus* sp. n. Prokop, 2003, Pl. 6, figs. 2a-2b.

Devonian, Koneprusy Limestone. Czech Republic

Square thecal plates with sutural slits Sprinkle and Wahlman, 1994, p. 335, Fig. 6.9.  
 Ordovician, Dapingian (middle Arenig), El Paso Group. United States, Texas

Stachel mit (?Soll-) Bruchstelle (Spine with regenerated distal part) Hauser, 2007, p.  
 80, Fig. 4.

Devonian, Givetian, Ahbach Formation. Germany

Stachelansatz (basal plate) Hauser, 2007, p. 79, Fig. 3.

Devonian, Givetian, Ahbach Formation. Germany

**STACHYOCRINUS** Wanner, 1916. \**S. zea* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F.  
 Stachyocrinidae

Wanner, 1916, p. 233. Wanner, 1924, p. 181. Bassler, 1938, p. 173. Bassler and  
 Moodey, 1943, p. 682. Moore and Laudon, 1943b, p. 60. Branson, C. C., 1948,  
 p.

212. Wanner, 1949a, p. 42. Arendt and Hecker, 1964, p. 90. Webster, 1973, p.  
 241. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T719. Webster,  
 1986, p. 287.

Named, currently recognized species based on cups or crowns: 3 Permian species,

1 Sakmarian, 1 Wordian, 1 series uncertain  
 Permian, series uncertain. West Timor  
 Permian, Sakmarian. Russia  
 Permian, Wordian: Sicily

*Stachyocrinus stefaninii* (Yakovlev, 1934). Wanner, 1949a, p. 42. Webster, 1973, p. 241.

*Erisocrinus stefaninii* Yakovlev, 1934, p. 279, Pl. 20, figs. 1-4. Bassler and Moodey, 1943, p. 460. Branson, C. C., 1948, p. 193. Wanner, 1949a, p. 42. Webster, 1973, p. 241. Pabian and Rushlau, 2002, p. 23.  
 Permian, Wordian. Sicily

*Stachyocrinus timanicus* Yakovlev, 1941b, p. 103, Fig. 2. Branson, 1948, p. 212.

Yakovlev *in* Yakovlev and Ivanov, 1956, p. 75, Pl. 13, fig. 3. Arendt and Hecker, 1964, p. 90, Pl. 12, fig. 5. Webster, 1973, p. 241.  
 Permian, Sakmarian (P<sub>1</sub>). Russia, Timan

\**Stachyocrinus zea* Wanner, 1916, p. 233, Pl. 107 (12), fig. 12; **1937**, p. 201, Pl. 13, figs. 25-27. Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 683.

Branson, C. C., 1948, p. 212. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T719, Fig. 475, no. 2. Webster, 1986, p. 287.  
 Permian, series uncertain. West Timor, between Niki Niki and Noil Fatoe

Staghorn Encrinite Bonny *in* Shepard, 1835 = *Ctenocrinus pachydactylus*

*Stammocrinus instrastigmatus* Webster, 1986 = *Stamnocrinus instrastigmatus*

**STAMNOCRINUS** Breimer, 1962. \**Saccocrinus? intrastigmatus* Schmidt, 1932.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Breimer, 1962a, p. 59. Webster, 1973, p. 241. Macurda, 1974, p. 823, Figs. 1-2. Ubaghs *in* Moore and Teichert, 1978, p. T447. Webster, 1986, p. 287.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Emsian, 1 Givetian

Devonian, Emsian. Spain

Devonian, Givetian United States

*Stamnocrinus devonicus* (Springer, 1911). Breimer, 1962a, p. 64. Webster, 1973, p. 241.

*Dorycrinus devonicus* Springer, 1911c, p. 120, Pl. 3, figs. 12a-12d, 13. Bassler and Moodey, 1943, p. 709. Breimer, 1962a, p. 64. Webster, 1973, p. 241. Hauser, 2001, p. 67, Fig. 50. Hauser, 2004b, p. 13, Fig. 4.

*Thamnocrinus devonicus* (Springer, 1911). Goldring, 1923, p. 239. Bassler and Moodey, 1943, p. 709.

Devonian, Givetian, Hamilton Group, Sellersburg Limestone. United States, Indiana

\**Stamnocrinus intrastigmatus* (Schmidt, 1932). Breimer, 1962a, p. 59, Pls. 4, fig. 5; 7, figs. 1-7. Webster, 1973, p. 241. Ubaghs *in* Moore and Teichert, 1978, p. T447, Fig. 256, no. 2.

*Saccocrinus? intrastigmatus* Schmidt, W. E., 1932, p. 21, Pl. 4, figs. 5-7. Bassler and Moodey, 1943, p. 669. Schmidt, W. E., 1952, p. 149, Pl. 9, figs. 5-7. Breimer, 1962a, p. 59. Webster, 1973, p. 241.

*Pithocrinus intrastigmatus* (Schmidt, 1932). Kirk, 1945a, p. 345. Breimer, 1962a, p. 59. Webster, 1973, p. 241.

*Stammocrinus instrastigmatus* (Schmidt, 1932). Webster, 1986, p. 287.  
Devonian, early Emsian, red calcareous shale. Spain

*Stamnocrinus* *l. cf. intrastigmatus* (Schmidt, 1932). Hauser *in* Hauser and Landeta, 2007, p.74, Ppl. 1, fig. 1.

Devonian, middle Emsian, Aguión Formation. Spain

*Stamnocrinus* sp. 1 Breimer, 1962a, p. 65, Pl. 4, fig. 4. Webster, 1973, p. 241.  
Devonian, early Emsian, red calcareous shale. Spain

*Stamnocrinus* sp. 2 Breimer, 1962a, p. 65, Fig. 12. Webster, 1973, p. 241.  
Devonian. locality unknown

**STAPHYLOCRINUS** Burdick and Strimple, 1969. \**S. bulgeri* Burdick and Strimple, 1969.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Staphylocrinidae

Burdick and Strimple, 1969, p. 9. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T743. Strimple, 1981c, p. 44. Burdick and Strimple, 1983a, p. 119. Etensohn, 1984, p. 66, Fig. 1. Webster, 1986, p. 287. Webster, 1988, p. 151. Lane and Sevastopulo, 1990, p. 111. Webster, 1993, p. 111.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

\**Staphylocrinus bulgeri* Burdick and Strimple, 1969, p. 11, Pl. 1, figs. 1-6; Fig. 2, no. B. Webster, 1977, p. 157. Moore and Strimple *in* Moore and Teichert, 1978, p. T743, Fig. 493, no. 4. Burdick and Strimple, 1983a, p. 123, Pls. 8, figs. 1-11; 9, fig. 14; Fig. 13, no. B. Webster, 1986, p. 287. Webster, 1988, p. 151. Gahn and Baumiller, 2010, p. 514g, Fig. 8.

Mississippian, Serpukhovian (Chesterian), upper part of Monteagle Limestone.  
United States, Alabama

*Staphylocrinus supratumulosus* (Sutton and Winkler, 1940) = *Staphylocrinus supratumulosus*

*Staphylocrinus supratumulosus* (Sutton and Winkler, 1940). Burdick and Strimple, 1969, p. 11, Pl. 1, fig. 9. Webster, 1977, p. 157. Webster, 1988, p. 151.

*Staphylocrinus supratumulosus* (Sutton and Winkler, 1940). Burdick and Strimple, 1983a, p. 122, Pl. 9, fig. 16

*Phanocrinus supratumulosus* Sutton and Winkler, 1940, p. 556, Pl. 68, figs. 9-10. Bassler and Moodey, 1943, p. 608. Burdick and Strimple, 1969, p. 11. Webster, 1977, p. 157.

Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Illinois

**STAUROSOMA** Barrande, 1887 = **TIARACRINUS**

*Staurosoma rarum* Barrande, 1887 = *Tiaracrinus rarus*

**STEGANOCRINUS** Meek and Worthen, 1866. \**Actinocrinus pentagonus* Hall, 1858. Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Meek and Worthen, 1866a, p. 195. Meek and Worthen, 1866b, p. 253. Meek and Worthen, 1868c, p. 475. Zittel, 1880, p. 344, 370. Wachsmuth and Springer, 1881, p. 96. Miller, S. A., 1889, p. 282. Zittel, 1895, p. 128. Wachsmuth and Springer, 1897, p. 578. Bather *in* Lankester, 1900, p. 170. Wachsmuth *in* Zittel, 1900, p. 142. Grabau and Shimer, 1910, p. 528. Springer *in* Zittel, 1913, p. 197. Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 683. Moore and Laudon, 1943b, p. 93, Fig. 15. Moore and Laudon, 1944, p. 193, Pl. 71, fig. 12. Ubaghs, 1953, p. 739. Strimple, 1963d, Fig. 27 (part). Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 241. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 158. Haugh, 1978, p. 163, Fig. 11, no. J. Bowsher *in* Moore and Teichert, 1978, p. T455. Cowen, 1981, p. 339. Webster, 1986, p. 288. Webster and Lane, 1987, p. 11. Lane and Sevastopulo, 1987, p. 201. Webster, 1988, p. 151. Webster, 1993, p. 111.

**SHUMARDOCRINUS** Miller and Gurley, 1895b, p. 40. \**Actinocrinus concinus* Shumard, 1855. Miller, S. A., 1897, p. 753. Bassler, 1938, p. 170. Bassler and Moodey, 1943, p. 683. Bowsher *in* Moore and Teichert, 1978, p. T455.

Named, currently recognized species based on cups or crowns: 11 Mississippian, Species, 1 Tournaisian - Viséan, 10 Viséan Mississippian, Viséan (Osagean). United States

*Steganocrinus albersi* Miller and Gurley, 1897 = *Actinocrinites albersi* = *A. multiradiatus*

*Steganocrinus altus* Brower, 1965, p. 780, Pl. 93, figs. 7-8, 13; Fig. 3. Webster, 1973, p. 241.

Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member. United States, New Mexico

*Steganocrinus araneolus* (Meek and Worthen, 1860) = *Steganocrinus pentagonus*

*Steganocrinus arraneolus* (Meek and Worthen, 1860) = *Steganocrinus pentagonus*

*Steganocrinus benedicti* Miller and Gurley, 1892 = *Actinocrinites benedicti*

*Steganocrinus blairi* Miller and Gurley, 1897 = *Actinocrinites blairi*

*Steganocrinus burlingtonensis* Brower, 1965, p. 788, Pl. 93, figs. 9-10, 16; Fig. 7.  
Webster, 1973, p. 241.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Steganocrinus concinnus* (Shumard, 1855). Miller, S. A., 1889, p. 282, Fig. 429.  
Wachsmuth and Springer, 1897, p. 582, Pl. 61, figs. 5a-5b. Weller, S., 1898c, p. 600. Grabau and Shimer, 1910, p. 529. Bassler and Moodey, 1943, p. 683.  
Kirk, 1943a, p. 260. Brower, 1965, p. 784, Pl. 93, figs. 1-4. Laudon, 1973b, p. 29, Fig. 5. Webster, 1973, p. 241. Webster, 1977, p. 158.

*Actinocrinus concinnus* Shumard, 1855, p. 189, Pl. A, fig. 5. Meek and Worthen, 1866a, p. 149, Pl. 15, figs. 9a-9b; Fig. 11. Shumard, 1868, p. 343. Miller, S. A., 1889, p. 217. Miller, S. A., 1897, p. 731. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 683.

*Shumardocrinus concinnus* (Shumard, 1855). Miller and Gurley, 1895b, p. 41, Pl. 2, figs. 7-10. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 683.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Missouri, Illinois, Iowa

*Steganocrinus concinnus* Wachsmuth and Springer, 1897 = *Steganocrinus elongatus*

*Steganocrinus elongatus* Kirk, 1943a, p. 261. Brower, 1965, p. 783, Pl. 93, figs. 11-12. Webster, 1973, p. 242.

*Steganocrinus concinnus* Wachsmuth and Springer, 1897 (*non* Shumard, 1855).  
Kirk, 1943a, p. 261. Webster, 1973, p. 242.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa, Missouri

*Steganocrinus?* *globosus* Wachsmuth and Springer, 1897 = *Sampsonocrinus?*  
*globosus*

*Steganocrinus griffithi* Miller and Gurley, 1897, p. 34, Pl. 2, figs. 17-20. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 683 (? = *Actinocrinites scitulus*).

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Steganocrinus longus* Brower, 1965, p. 781, Pl. 94, figs. 1-4; Fig. 4. Webster, 1973, p. 242.

Mississippian, Viséan (Osagean), Lake Valley Formation, Nunn Member. United States, New Mexico

*Steganocrinus multistriatus* Brower, 1965, p. 782, Pl. 93, figs. 14-15, 17. Webster, 1973, p. 242.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

\**Steganocrinus pentagonus* (Hall, 1858). Meek and Worthen, 1866b, p. 254. Meek and Worthen, 1868c, p. 474, Pl. 16, fig. 8. Miller, S. A., 1889, p. 282, Fig. 430.

Keyes,

1894a, p. 195, Pl. 24, fig. 9. Wachsmuth and Springer, 1897, p. 579, Pls. 4, fig. 12; 61, figs. 3a-4b. Weller, S., 1898c, p. 600. Grabau and Shimer, 1910, p. 529. Wilson, H. E., 1916, p. 509, Pl. 3, figs. 1-3. Kirk, 1943a, p. 261, Figs. 1-2.

Bassler

and Moodey, 1943, p. 683. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 12. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 6. Laudon, 1948, Pl. 3. Spreng and Parks, 1953, p. 594, Fig. 1, nos. f-h. Brower, 1965, p. 776, Pls. 91, figs. 1-15; 92, figs. 1-37; Fig. 1. Brower, 1967, p. 683, Pl. 76, fig. 9. Brower, 1970, p. 494, Pl. 64, Figs. 6, 10, 13; Fig. 80, nos. B-D. Laudon, 1973b, p. 29, Fig. 5. Haugh, 1973a, p. 90, Pl. 3, fig. 3. Webster, 1973, p. 242. Haugh, 1975b, p. 267, Fig. 4, no. C. Webster, 1977, p. 158. Ubaghs *in* Moore and Teichert, 1978, p. T144, T179, T194, Figs. 116, no. 3; 151, no. 5; 164, no. 3. Bowsher *in* Moore and Teichert, 1978, p. T455, Fig. 263, no. 4. Webster, 1986, p. 288.

*Actinocrinus pentagonus* Hall, 1858c, p. 577, Pl. 10, figs. 6a-6b. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 600. Bassler, 1938, p. 174. Bassler and Moodey, 1943, p. 683.

*Actinocrinus araneolus* Meek and Worthen, 1860, p. 387. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 599. Bassler and Moodey, 1943, p. 683.

*Steganocrinus araneolus* (Meek and Worthen, 1860). Meek and Worthen, 1866a, p. 198, Pl. 15, figs. 1a-1b. Miller, S. A., 1889, p. 282. Wachsmuth and Springer, 1897, p. 581, Pl. 61, figs. 2a-2b. Weller, S., 1898c, p. 599. Grabau and Shimer, 1910, p. 528. Kirk, 1943a, p. 260, Fig. 4. Bassler and Moodey, 1943, p. 683. Brower, 1965, p. 776. Laudon, 1973b, p. 29, Fig. 5. Webster, 1973, p. 242.

*Steganocrinus araneolus* (Meek and Worthen, 1860). Webster, 1977, p. 157. Mississippian, Tournaisian - Viséan (Osagean), lower part of Burlington Limestone; Fern Glen Limestone; Lake Valley Limestone, Nunn Member. United States, Iowa, Missouri, New Mexico

*Steganocrinus planus* Brower, 1965, p. 787, Pl. 94, figs. 10-12; Fig. 6. Webster, 1973, p. 242.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Steganocrinus robustus* Brower, 1965, p. 786, Pl. 94, figs. 5-8. Webster, 1973, p. 242. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri, Iowa

*Steganocrinus sculptus* (Hall, 1858) = *Cyticocrinus sculptus*

*Steganocrinus sharonensis* Miller and Gurley, 1897 = *Actinocrinites sharonensis*

*Steganocrinus spergenensis* Miller and Gurley, 1896 = *Actinocrinites spergenensis*

*Steganocrinus validus* (Meek and Worthen, 1860). Miller, S. A., 1897, p. 753. Kirk, 1943a, p. 261. Brower, 1965, p. 785, Pl. 93, figs. 5-6; Fig. 5. Webster, 1973, p. 242.

*Actinocrinus validus* Meek and Worthen, 1860, p. 384. Miller, S. A., 1889, p. 220. Miller, S. A., 1897, p. 732. Weller, S., 1898c, p. 600. Bassler and Moodey, 1943, p. 683.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Steganocrinus westheadi* Wright, 1947 = *Sampsonocrinus westheadi* = *Thinocrinus westheadi*

*Steganocrinus* spp.

Brower, 1965, p. 783, Pl. 94, fig. 9. Webster, 1973, p. 242.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri  
Priest, 1971, p. 92, Pl. 1, figs. 5a-5b. Webster, 1977, p. 158.

No age or locality given

Kues, 1982, Unnum Fig. p. 108, no. F. Webster, 1988, p. 151.

Mississippian. no locality data

Webster and Lane, 1987, p. 16, Fig. 6, nos. 9-12. Webster, 1993, p. 111.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

**STEGOCRINUS** Sieverts-Doreck, 1962. \**S. dohmi* Sieverts-Doreck, 1962.

Classification uncertain.

Sieverts-Doreck, 1962, p. 107. Webster, 1973, p. 242. Jeffords *in* Moore and Teichert, 1978, p. T935.

**Note:** Hauser, 1997, considered *S. dohmi* to belong to *Cupressocrinites* based on the similarity of the articular facet on the side of the plate, an anal tube plate, and he considered it to have affinities with *C. abbreviatus*. I agree with Hauser's assessment of *Stegocrinus* belonging to the cupressocrinitids, but until the other specimens of *Stegocrinus* are revised I have left all taxa of the genus standing. (GDW)

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Eifelian, 1 Givetian

Devonian, Eifelian - Givetian. Germany

*Stegocrinus bloosi* Sieverts-Doreck, 1962, p. 115, Pl. 14, fig. 6; Fig. 7. Webster, 1973, p. 242.

Devonian, Givetian, Fleringer Schichten. Germany

\**Stegocrinus dohmi* Sieverts-Doreck, 1962, p. 112, Pl. 14, figs. 1-3; Figs. 3-5.

Webster, 1973, p. 242. Jeffords *in* Moore and Teichert, 1978, p. T935.

Devonian, Eifelian, upper part of *Calceola* Beds. Germany

*Stegocrinus dohmi* Sieverts-Doreck, 1962 = *Cupressocrinites* aff. *Cupressocrinites abbreviatus*

*Stegocrinus* cf. *dohmi* Sieverts-Doreck, 1962, p. 114, Pl. 14, fig. 4; Fig. 6. Webster, 1973, p. 242.

Devonian, Eifelian, upper part of *Calceola* Beds. Germany

*Stegocrinus* sp. Sieverts-Doreck, 1962, p. 114, Pl. 14, fig. 5. Webster, 1973, p. 242.  
Devonian, Eifelian, upper part of *Calceola* Beds. Germany

**STELIDIOCRINUS** Angelin, 1878. \**S. capitulum* Angelin, 1878.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Patelliocrinoidea, F. Stelidiocrinidae

Angelin, 1878, p. 21. Zittel, 1880, p. 345, 371. Wachsmuth and Springer, 1881, p. 92. Zittel, 1895, p. 130. Wachsmuth and Springer, 1897, p. 279. Bather *in* Lankester, 1900, p. 161. Wachsmuth *in* Zittel, 1900, p. 148. Springer *in* Zittel, 1913, p. 189. Bassler, 1915, p. 1184. Jaekel, 1918, p. 33. Bassler, 1938, p. 174. Bassler and Moody, 1943, p. 684. Moore and Laudon, 1943b, p. 98. Ubaghs, 1953, p. 742. Webster, 1973, p. 243. Ubaghs *in* Moore and Teichert, 1978, p. T505. Smith, A. B., 1985, p. 167. Webster, 1986, p. 288. Webster, 1988, p. 151.

**HARMOCRINUS** Angelin, 1878, p. 22. \**H. longimanus* Angelin, 1878. Zittel, 1880, p. 345, 371. Bassler, 1938, p. 109. Bassler and Moody, 1943, p. 684. Ubaghs *in* Moore and Teichert, 1978, p. T434.

**CHYTROCRINUS** Jaekel, 1918. \**Stelidiocrinus laevis* Angelin, 1878 (part). Jaekel, 1918, p. 33. Bassler, 1938, p. 65. Bassler and Moody, 1943, p. 362. Moore and Laudon, 1943b, p. 98. Webster, 1973, p. 80. Ubaghs *in* Moore and Teichert, 1978, p. T505.

Named, currently recognized species based on cups or crowns: 4 Silurian, Wenlockian species

Silurian, Wenlockian. Sweden, Isle of Gotland; United Kingdom

*Stelidiocrinus argutus* = *Pycnocrinus argutus*

?*Stelidiocrinus argutus* (Walcott, 1883) = *Stelidiocrinus argutus* = *Pycnocrinus argutus*

\**Stelidiocrinus capitulum* Angelin, 1878, p. 21, Pl. 17, figs. 5a-5g. Bather *in* Lankester, 1900, p. 162, Fig. 75, nos. 1-2. Jaekel, 1918, p. 33, Fig. 24. Bassler, 1938, p. 174. Bassler and Moody, 1943, p. 684. Ubaghs *in* Moore and Teichert, 1978, p. T505, Fig. 307, nos. 1a-1d. Smith, A. B., 1985, p. 167, Pl. 7.4.7. Webster, 1986, p. 288. Webster, 1988, p. 151.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Stelidiocrinus laevis* Angelin, 1878, p. 21, Pls. 15, figs. 20, 20a (*non* figs. 7-7b); 27, figs. 3-3a; 28, figs. 7-7b only. Wachsmuth and Springer, 1897, p. 280. Bassler, 1938, p. 65. Bassler and Moody, 1943, p. 362, 684. Ubaghs *in* Moore and Teichert, 1978, p. T199, T505, Figs. 168, no. 2; 307, no. 1e. Webster, 1986, p. 288.

*Chytrocrinus laevis* (Angelin, 1878). Jaekel, 1918, p. 33. Bassler and Moody, 1943, p. 362.

Silurian, Wenlockian, Much Wenlock Limestone. Sweden, Isle of Gotland; United Kingdom



*Stelidiocrinus longimanus* (Angelin, 1878). Wachsmuth and Springer, 1881, p. 99 (273). Bassler and Moodey, 1943, p. 684.

*Harmocrinus longimanus* Angelin, 1878, p. 22, Pl. 21, figs. 6-7. Bassler, 1938, p. 109. Bassler and Moodey, 1943, p. 684.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Stelidiocrinus? ovalis* Angelin, 1878, p. 21, Pl. 19, fig. 6. Bassler and Moodey, 1943, p. 684.

Silurian, Wenlockian. Sweden, Isle of Gotland

Stellarocrinid? gen. et sp. nov. Webster and Jell, 1999b, p. 305, Fig. 13, no. C.  
Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

**STELLAROCRINUS** Strimple, 1940. \**Cyathocrinus stillativus* White, 1880.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F. Stellarocrinidae

Strimple, 1940c, p. 1 (109). Bassler and Moodey, 1943, p. 684. Moore and Laudon, 1943b, p. 55. Moore and Laudon 1944, p. 157, Pl. 52, fig. 14. Strimple and Watkins, 1969, p. 175. Strimple and Moore, 1971a, p. 31. Strimple and Moore, 1971b, p. 8. Strimple, 1973e, p. 19. Strimple, 1973g, p. 28. Webster, 1973, p. 243. Webster, 1977, p. 158. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668. Pabian and Strimple, 1980a, p. 168. Pabian and Strimple, 1985, p. 64. Webster, 1988, p. 151. Pabian and Strimple, 1993, p. 35.

**APOLLOCRINUS** Moore and Plummer, 1940, p. 102. \**A. geometricus* Moore and Plummer, 1940. Bassler and Moodey, 1943, p. 684. Pabian and Rushlau, 2002, p. 37. Thomka et al., 2012, p. 475, Fig. 9.

**WHITEOCRINUS** Strimple, 1939 (*non* Jaekel, 1918), p. 4 (36). \**Cyathocrinus stillativus* White, 1880. Bassler and Moodey, 1943, p. 684.

Named, currently recognized species based on cups or crowns: 10 Pennsylvanian species, 4 Desmoinesian, 3 Missourian, 2 Missourian – Virgilian, 1 Virgilian Middle - Late Pennsylvanian, Desmoinesian - Virgilian. United States

*Stellarocrinus angulatus* (Miller and Gurley, 1894) = *Celonocrinus angulatus*

*Stellarocrinus* sp. cf. *S. angulatus* Strimple and Watkins, 1969 = *Celonocrinus* sp.

*Stellarocrinus bilineatus* Strimple and Moore, 1971a, p. 31, Pl. 18, fig. 1. Strimple, 1973g, p. 28, Figs. 18, nos. 1-2; 19, no. 1. Webster, 1977, p. 158. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668, Fig. 439, no. 1h. Webster, 1986, p. 288. Pabian and Rushlau, 2002, p. 37.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Stellarocrinus bulbosus* Strimple and Watkins, 1969, p. 178, Pls. 44, figs. 6, 9-11; 47, figs. 5-7. Pabian and Rushlau, 2002, p. 37.

Pennsylvanian, Desmoinesian, Kickapoo Falls Limestone. United States, Texas

*Stellarocrinus comptus* Webster and Lane, 1967 = *Brabeocrinus comptus*

*Stellarocrinus cuneatus* Lane and Webster, 1966 = *Brabeocrinus cuneatus*

*Stellarocrinus distinctus* Strimple, 1940 = *Brabeocrinus distinctus*

*Stellarocrinus exsculptus* (Strimple, 1939). Bassler and Moodey, 1943, p. 685.  
Strimple, 1973g, p. 28, Fig. 19, no. 2. Webster, 1977, p. 158. Pabian and Strimple, 1980a, p. 171, Figs. 4, nos. L-M; 9, nos. A-B. Webster, 1986, p. 288. Pabian and Strimple, 1993, p. 35, Figs. 14, no. n; 15, nos. d-g. Pabian and Rushlau, 2002, p. 37.

*Whiteocrinus exsculptus* Strimple, 1939b, p. 37, Pl. 2, figs. 7-8. Bassler and Moodey, 1943, p. 685.

*Apollocrinus exsculptus* (Strimple, 1939). Moore and Plummer, 1940, p. 81. Bassler and Moodey, 1943, p. 685.

Pennsylvanian, Missourian, ?Virgilian, Wann Formation; Stanton Limestone; Bond Formation, LaSalle Limestone Member; Argentine Limestone; South Bend Limestone. United States, Oklahoma, Illinois, Iowa, Kansas

*Stellarocrinus* sp. cf. *S. exsculptus* (Strimple, 1939). Strimple and Moore, 1971b, p. 9, Fig. 7, nos. 1-3, 6. Webster, 1977, p. 159.

Pennsylvanian, Missourian, Francis Shale. United States, Oklahoma

*Stellarocrinus florealis* (Moore and Plummer, 1940). Bassler and Moodey, 1943, p. 685. Moore and Laudon, 1944, p. 157, Pl. 60, fig. 14. Strimple and Watkins, 1969, p. 177. Webster, 1973, p. 243. Webster, 1977, p. 159. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668, Fig. 439, no. 1c. Webster, 1986, p. 289. Pabian and Rushlau, 2002, p. 37.

*Apollocrinus florealis* Moore and Plummer, 1940, p. 106, Pl. 19, fig. 7. Bassler and Moodey, 1943, p. 685.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

*Stellarocrinus geometricus* (Moore and Plummer, 1940). Bassler and Moodey, 1943, p. 685. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 1. Moore and Laudon, 1944, p. 157, Pl. 58, fig. 5. Webster, 1973, p. 243. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668, Fig. 439, nos. 1d-1g. Webster, 1986, p. 289.

Pabian and Rushlau, 2002, p. 37.

*Apollocrinus geometricus* Moore and Plummer, 1940, p. 104, Pl. 19, fig. 2; Fig. 12. Bassler and Moodey, 1943, p. 685.

Pennsylvanian, Missourian, top of Iola Limestone. United States, Kansas

*Stellarocrinus* sp. cf. *S. geometricus* (Moore and Plummer, 1940). Pabian and Strimple, 1980b, p. 15, Pl. 4, figs. 13-14. Webster, 1986, p. 289.

Pennsylvanian, Virgilian, Cass Formation, Haskell Limestone. United States, Nebraska

*Stellarocrinus minimus* Strimple, 1962e, p. 42, Pl. 3, figs. 5-7. Webster, 1973, p. 243.  
Pabian and Rushlau, 2002, p. 37.

Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Stellarocrinus petalosus* Strimple, 1961g, p. 110, Pls. 14, figs. 3-4; 15, fig. 4; 16, fig. 2; 19, fig. 7. Patterson, 1963, Fig. 3. Webster, 1973, p. 243. Webster, 1977, p. 159.  
Pabian and Rushlau, 2002, p. 37.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Stellarocrinus primus* (Strimple, 1975) = *Brabeocrinus primus*

\**Stellarocrinus stillativus* (White, 1879). Strimple, 1940c, p. 109, Pl. 10, figs. 1-4.  
Bassler and Moodey, 1943, p. 685. Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 2. Moore and Laudon, 1944, p. 157, Pl. 57, fig. 13. Webster, 1973, p. 243.  
Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668, Fig. 439, nos. 1a-1b. Pabian and Strimple, 1985, p. 65, Figs. 21, no. j; 24, nos. g-i. Webster, 1986, p. 289. Webster, 1988, p. 151. Pabian and Strimple, 1993, p. 37, Fig. 15, nos. a-c, h-j. Pabian and Rushlau, 2002, p. 37.

*Cyathocrinus stillativus* White, C. A., 1879, p. 258, Pl. 1, figs. 9-10. White, C. A., 1880b, p. 125, Pl. 35, figs. 3a-3b. White, C. A., 1883a, p. 125. Miller, S. A., 1889, p. 237. Weller, S., 1898c, p. 203. Grabau and Shimer, 1910, p. 507. Bassler and Moodey, 1943, p. 685.

*Phialocrinus stillativus* (White, 1879). Keyes, 1894a, p. 219, Pl. 28, figs. 6a-6b.  
Weller, S., 1898c, p. 203. Bassler and Moodey, 1943, p. 685.

*Whiteocrinus stillativus* (White, 1879). Strimple, 1939b, p. 37, Pl. 2, figs. 1-2, 9.  
Bassler and Moodey, 1943, p. 685.

*Apolloocrinus stillativus* (White, 1879). Moore and Plummer, 1940, p. 72. Bassler and Moodey, 1943, p. 685.

Pennsylvanian, Missourian, Virgilian, Kanwaka Formation, Stull Shale Member; Stanton Limestone; South Bend Limestone. United States, Kansas, Oklahoma

*Stellarocrinus texani* Strimple, 1951a, p. 202, Pl. 37, figs. 13-16. Strimple and Watkins, 1969, p. 175, Pl. 32, figs. 1-2. Webster, 1973, p. 243. Webster, 1977, p. 159.  
Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Kansas

*Stellarocrinus texanus* (Moore and Plummer, 1940) = \**Brychiocrinus texanus*

*Stellarocrinus virgilensis* Strimple, 1951f, p. 675, Pl. 98, figs. 1-2, 5-6. Webster, 1973, p. 243. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T668, Fig. 439, no. 1i. Webster, 1986, p. 289. McKinzie, 1995, p. 32, Fig. 2, no. 2. Pabian and Rushlau, 2002, p. 37.

Pennsylvanian, Virgilian, Nelagony Formation; Graford Formation, Jasper Creek Shale. United States, Nevada, Texas

*Stellarocrinus* sp. cf. *S. virgilensis* Strimple, 1951. Strimple and Moore, 1971a, p. 31, Pls. 11, figs. 1-2, 4-6; 18, figs. 3-4. Webster, 1977, p. 159. Ausich *in* Hess et al., 1999 p. 159, Fig. 174. Stinchcomb, 2008, p. 154, Fig. 08-070.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

*Stellarocrinus* sp. indet.

*Whiteocrinus* sp. indet. Strimple, 1939b, p. 38, Pl. 2, figs. 3-4.

Pennsylvanian, late Missourian, Ochelata Group, Stanton Limestone. United States, Oklahoma

*Stellarocrinus* spp.

*Apollocrinus* sp. White, E., 1964, Fig. 27. Webster, 1977, p. 159.

Pennsylvanian. United States, Nebraska

Webster and Lane, 1967, p. 13, Pl. 3, figs. 4, 6. Webster, 1973, p. 243.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

Cornwell and Cornwell, 1968, Pls. 1, figs. 3, 7; 2, fig. 8. Webster, 1977, p. 159.

Pennsylvanian. United States, Iowa

Strimple and Moore, 1971a, p. 47, Pl. 18, fig. 2. Webster, 1977, p. 159.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

Priest, 1972, p. 85, Unnum. Fig. p. 85. Webster, 1977, p. 159.

No age or locality given

Strimple, 1973g, p. 29, Figs. 20, nos. 1, 2; 21, no. 1. Webster, 1977, p. 159.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

Strimple, 1978a, p. 210, Fig. 1. Webster, 1986, p. 289.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

Stinchcomb, 2008, p. 154, Fig. 08-071.

Pennsylvanian, Missourian, LaSalle Limestone. United States, Illinois, Pontiac

*STEMMATOCRINUS* Trautschold, 1867 = ***ERISOCRINUS***

*Stemmatocrinus cernuus* Trautschold, 1867 = *Erisocrinus cernuus*

*Stemmatocrinus trautscholdi* Wachsmuth and Springer, 1885 = \**Gaulocrinus trautscholdi*

*Stemmatocrinus? veryi* Rowley, 1903 = *Gaulocrinus veryi*

*STENOOCRINUS* Wachsmuth and Springer, 1886 (part) = *HETEROOCRINUS* = ***CINCINNATICRINUS***

*Stenocrinus bellevillensis* (Billings, 1883) = *Daedalocrinus bellevillensis*

*Stenocrinus exilis* (Meek, 1871) = *Heterocrinus exilis*

*Stenocrinus geniculatus* (Ulrich, 1879) = *Ectenocrinus geniculatus* = *Drymocrinus geniculatus*

*Stenocrinus heterodactylus* (Hall, 1847) = *Heterocrinus heterodactylus* =  
*Cincinnatiocrinus heterodactylus* = *Cincinnatiocrinus varibrachialis*

*Stenocrinus juvenis* (Hall, 1866) = *Heterocrinus juvenis* = *Cincinnatiocrinus juvenis*

*Stenocrinus milleri* (Wetherby, 1880) = *Heterocrinus milleri* = *Peniculocrinus milleri*

*Stenocrinus pentagonus* (Ulrich, 1882) = *Cincinnatiocrinus pentagonus*

*Stenocrinus tenuis* (Billings, 1857) = *Cincinnatiocrinus varibrachialis* = *Isotomocrinus tenuis*

**STENOPECRINUS** Strimple, 1961. \**Perimestocrinus planus* Strimple, 1952.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F, Pirasocrinidae

Strimple, 1961g, p. 39. Knapp, 1969, p. 376, Fig. 2. Strimple and Watkins, 1969, p. 203. Strimple and Moore, 1971a, p. 18. Strimple and Boardman, 1971a, p. 30. Moore and Strimple, 1973, p. 75. Webster, 1973, p. 243. Pabian and Strimple, 1974b, p. 9. Webster, 1977, p. 159. Moore and Strimple *in* Moore and Teichert, 1978, p. T732. Pabian and Strimple, 1980a, p. 180. Pabian and Strimple, 1985, p. 59. Bowsher and Strimple, 1986, p. 18. Webster, 1986, p. 289. Webster, 1988,

p. 151. Webster, 1993, p. 111. Thomka et al., 2012, p. 475, Fig. 9.

Named, currently recognized species based on cups or crowns: 9 species. 8

Pennsylvanian, 1 Morrowan, 1 Atokan, 3 Desmoinesian, 1 Desmoinesian – Missourian, 2 Missourian; 1 Permian, Wolfcampian

Pennsylvanian, Morrowan - Early Permian, middle Wolfcampian. North America

*Stenopecrinus glaber* Bowsher and Strimple, 1986, p. 18, Figs. 40, nos. a-e; 66, nos. a-d. Webster, 1993, p. 112.

Pennsylvanian, Desmoinesian?, Gobbler Formation. United States, New Mexico

*Stenopecrinus hexagonarius* (Strimple, 1952) = *Aatocrinus hexagonus*

*Stenopecrinus hexagonarus* (Strimple, 1952) = *Aatocrinus hexagonus*

*Stenopecrinus hexagonus* (Strimple, 1952) = *Aatocrinus hexagonus*

*Stenopecrinus impressus* (Moore and Plummer, 1940). Knapp, 1969, p. 376, Fig. 37.

Strimple and Moore, 1971a, p. 22. Webster, 1977, p. 160. Pabian and Strimple, 1980a, p. 181, Fig. 5, nos. F-H. Webster, 1986, p. 289.

*Perimestocrinus impressus* Moore and Plummer, 1940, p. 206, Pl. 10, figs. 3-4; Fig. 42. Bassler and Moodey, 1943, p. 603. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 5. Moore and Laudon, 1944, p. 161, Pls. 62, fig. 8; 64, fig. 12. Strimple, 1962e, p. 29, Pl. 2, figs. 9-12. Knapp, 1969, p. 376. Strimple and Moore, 1971a, p. 22. Webster, 1973, p. 202. Webster, 1977, p. 160. Moore and Strimple *in* Moore and Teichert, 1978, p. T730, Fig. 483, nos. 1g-1j. Webster, 1986, p. 246.

- Peremistocrinus impressus* Moore and Plummer, 1940. Strimple, 1948a, p. 115, Pl. 10, fig. 1 (sic).  
Pennsylvanian, Desmoinesian - Missourian, Mineral Wells Formation, Keechi Creek Shale Member, East Mountain Shale Member; Dewey Limestone; Oologah Limestone; Argentine Limestone. United States, Texas, Nebraska
- Stenopectrinus longus* Strimple and Watkins, 1969, p. 209, Pl. 48, figs. 5-6. Webster, 1977, p. 160.  
Pennsylvanian, Desmoinesian, Kickapoo Falls Limestone. United States, Texas
- Stenopectrinus moseleyi* (Strimple, 1951). Strimple, 1961g, p. 40. Knapp, 1969, p. 376. Webster, 1973, p. 243. Webster, 1977, p. 160.  
*Perimistocrinus moseleyi* Strimple, 1951a, p. 205, Pl. 39, figs. 5-10. Strimple, 1961g, p. 40. Webster, 1973, p. 243.  
Pennsylvanian, Missourian, Lake Bridgeport Shale. United States, Texas
- Stenopectrinus ornatus* Moore and Strimple, 1973, p. 75, Pl. 23, figs. 3a-3d. Strimple, 1977a, p. 423, Fig. 1, nos. A-C. Webster, 1977, p. 160. Webster, 1986, p. 290.  
Pennsylvanian, Morrowan, Bloyd Formation, Brentwood interval. United States, Oklahoma
- Stenopectrinus papillatus* (Strimple, 1962). Knapp, 1969, p. 376. Strimple and Moore, 1971a, p. 22. Webster, 1977, p. 160.  
*Perimistocrinus papillatus* Strimple, 1962e, p. 28, Pl. 2, figs. 5-8. Knapp, 1969, p. 376. Strimple and Moore, 1971a, p. 22. Webster, 1973, p. 202. Webster, 1977, p. 160.  
Pennsylvanian, Desmoinesian, Oologah Formation. United States, Oklahoma
- Stenopectrinus pedersenorum* Webster and Lane, 1970, p. 285, Pl. 56, figs. 10-11. Webster, 1977, p. 160.  
Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada
- \**Stenopectrinus planus* (Strimple, 1952). Strimple, 1961g, p. 40, Pl. 1, figs. 4-5; Fig. 5, nos. a-b. Knapp, 1969, p. 376. Strimple and Boardman, 1971a, p. 30. Webster, 1973, p. 244. Webster, 1977, p. 160. Pabian and Strimple, 1974b, p. 9. Moore and Strimple *in* Moore and Teichert, 1978, p. T734, Fig. 485, no. 4. Pabian and Strimple, 1980a, p. 181, Fig. 7, nos. P-R.  
*Perimistocrinus planus* Strimple, 1952e, p. 787, Pl. 112, figs. 4-9. Strimple, 1961g, p. 40. Webster, 1973, p. 244.  
Pennsylvanian, Missourian, shale 30' above Torpedo Sandstone; Argentine Limestone; Barnsdall Formation, Frisbie Limestone; Plattsburg Formation, Spring Hill Limestone; Dennis Formation, Lost City Limestone. United States, Oklahoma, Nebraska, Missouri, Kansas
- Stenopectrinus* sp. cf. \**S. planus* (Strimple, 1952).

Strimple and Moore, 1971a, p. 21, Pl. 12, figs. 1a-1b; Fig. 2, no. A. Webster, 1977, p. 160. Ausich *in* Hess et al., 1999 p. 155, Fig. 165.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member.  
United States, Illinois

Pabian and Strimple, 1985, p. 60, Fig. 21, nos. g-i. Webster, 1988, p. 151.  
Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Kansas

*Stenopectrinus politus* (Moore, 1939) = *Vertigocrinus politus*

*Stenopectrinus rugosus* Strimple, 1961 = *Anchicrinus rugosus*

*Stenopectrinus? xerophilus* Lane and Webster, 1966, p. 50, Pl. 12, figs. 3-4, 6.  
Webster, 1973, p. 244.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Stenopectrinus? sp.* Lewis and Strimple, 1990, p. 297, Fig. 3, nos. 17-18. Webster, 1993, p. 112.

Pennsylvanian. United States, Oklahoma

*Stenopectrinus* spp.

*Delocrinus* aff. *D. subhemisphericus* Moore and Plummer, 1940. Washburn, 1968, p. 125, Pl. 3, figs. 4-6. Moore and Strimple, 1973, p. 75, Fig. 5, no. 2.  
Webster, 1973, p. 102. Webster, 1977, p. 161.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

Strimple and Moore, 1971a, p. 22, Pl. 8, figs. 4a-4c. Webster, 1977, p. 160.  
Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member.

United States, Illinois

Pabian and Strimple, 1978a, p. 55, fig. 5, nos. D-F. Webster, 1986, p. 290.  
Pennsylvanian, Wann Formation. United States, Oklahoma

**STEREOASTER** Foerste, 1919. \**S. squamosus* Foerste, 1919.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Foerste, 1919, p. 28. Ausich, 1986b, p. 97. Webster, 1993, p. 112.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryan species

Silurian, late early or middle Llandoveryan. United States, Ohio

\**Stereoaster squamosus* Foerste, 1919. Ausich, 1986b, p. 97, Figs. 8-9; 10, no. 1; 11.  
Webster, 1993, p. 112. Ausich, 1996b, p. 247, Fig. 17-5, nos. 3, 5, 10.

Unknown crinoid Foerste, 1888, Pl. 8, fig. 4. Foerste, 1919, p. 14-15, Pl. 28, Figs.  
2A-2D. Ausich, 1986b, p. 97.

Crinoideal remains Foerste, 1893b, Pl. 27, fig. 41. Ausich, 1986b, p. 97.

Undetermined crinoid Foerste, 1919, Pl. 3, fig. 2. Ausich, 1986b, p. 97.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

**STEREOBRACHICRINUS** Mather, 1915. \**S. pustulosus* Mather, 1915.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Mather, 1915, p. 108. Bassler, 1938, p. 175. Moore and Plummer, 1938, p. 311.

Moore and Laudon, 1943b, p. 30. Arendt and Hecker, 1964, p. 81. Webster, 1973, p. 244. Moore and Strimple *in* Moore and Teichert, 1978, p. T539.

Webster, 1986, p. 291.

**STEREOBRACHIOCRINUS** Bassler and Moodey, 1943, p. 687.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Morrowan species

Pennsylvanian, Morrowan. United States

\**Stereobrachicrinus pustulosus* Mather, 1915, p. 108, Pl. 3, figs. 9-9a. Moore and Plummer, 1938, p. 312, Pl. 16, figs. 8a-8b. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 335, no. 6. Webster, 1986, p. 291.

*Stereobrachicrinus pustulosus* Mather, 1915. Bassler, 1938, p. 175 (sic).

*Stereobrachiocrinus pustulosus* (Mather, 1915). Bassler and Moodey, 1943, p. 687.

Pennsylvanian, Morrowan, Morrow Formation. United States, Oklahoma

**STEREOBRACHIOCRINUS** Bassler and Moodey, 1943 = **STEREOBRACHICRINUS**

*Stereobrachiocrinus pustulosus* (Mather, 1915) = *Stereobrachicrinus pustulosus*

**STEREOCRINUS** Barris, 1878 = **DOLATOCRINUS**

*Stereocrinus barrisi* Wachsmuth and Springer, 1897 = *Dolatocrinus barrisi*

*Stereocrinus bentonensis* Stainbrook, 1937 = *Dolatocrinus bentonensis*

*Stereocrinus? dilatus* Rowley, 1906 = *Dolatocrinus dilatus*

*Stereocrinus harberti* Stainbrook, 1937 = *Dolatocrinus harberti*

*Stereocrinus helderbergensis* Springer, 1921 = *Dolatocrinus helderbergensis*

*Stereocrinus indianensis* Miller and Gurley, 1897 = *Comanthocrinus indianensis*

*Stereocrinus littletonensis* Thomas, 1924 = *Dolatocrinus littletonensis*

*Stereocrinus moori* Branson and Wilson, 1922 = *Dolatocrinus moori*

*Stereocrinus springeri* Branson and Wilson, 1922 = *Dolatocrinus springeri*

*Stereocrinus triangulatus* Barris, 1978 = *Dolatocrinus triangulatus*

*Stereocrinus triangulates* var. *liratus* Barris, 1878 = *Dolatocrinus triangulatus*



*Stereocrinus vandiveri* Branson and Wilson, 1922 = *Dolatocrinus vandiveri*

**STEWBRECRINUS** Jell, 1999. \**Stewbreocrinus terryi* Jell, 1999.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Merocrinitoidea, F. Cupulocrinidae

Jell, 1999a, p. 73.

Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian species

Devonian, late Lochkovian. Australia, Victoria

\**Stewbreocrinus terryi* Jell, 1999a, p. 74, Fig. 58, nos. A-D.

Devonian, late Lochkovian, Humevale Formation. Australia, Victoria

**STIBAROCCRINUS** Ausich, 1984. \**Calceocrinus centervillensis* Foerste, 1936.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Ausich, 1984a, p. 1172. Webster, 1988, p. 152. Harvey and Ausich, 1997, p. 304.

Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

\**Stibarocrinus centervillensis* (Foerste, 1936). Ausich, 1984a, p. 1173, Figs. 4-6.

Webster, 1988, p. 152. Ausich, 1996b, p. 247, Fig. 17-5, no. 12.

*Calceocrinus centervillensis* Foerste, 1936, p. 271, Pl. 2, figs. 3-4. Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 27. Webster, 1973, p. 250. Ausich, 1984a, p. 1173. Webster, 1988, p. 152.

*Synchirocrinus centervillensis* (Foerste, 1936). Moore, 1962a, p. 27. Webster, 1973, p. 250. Ausich, 1984a, p. 1173. Webster, 1988, p. 152.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

**STINOCRINUS** Kirk, 1941. \**S. granulosus* Kirk, 1941.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Blothrocrinidae

Kirk, 1941b, p. 84. Bassler and Moodey, 1943, p. 688. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 158. Arendt and Hecker, 1964, p. 88.

Webster, 1973, p. 244. Moore and Strimple *in* Moore and Teichert, 1978, p.

T651. Webster, 1986, p. 291. Webster, 1988, p. 152. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1993, p. 619. Webster, 1993, p. 112.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan (Osagean). United States

\**Stinocrinus granulosus* Kirk, 1941b, p. 85, Pl. 18, figs. 6-7. Bassler and Moodey, 1943, p. 688. Moore and Strimple, 1978, p. T651, Fig. 426, no. 4. Kammer, 1984, p. 126, Fig. 2, nos. I-J. Webster, 1977, p. 162. Webster, 1988, p. 152. Kammer and Ausich, 1993, p. 619.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky

*Stinocrinus manus* (Miller and Gurley, 1896) = *Abrotocrinus manus*

*Stinocrinus nanus* (Miller and Gurley, 1896) = *Batocrinus nanus* = *Gongylocrinus nanus*

**STIPATOCRINUS** Eckert and Brett, 1987. \**S. hulveri* Eckert and Brett, 1987. Sbc. Camerata, O. Monobathrida, Spf. Stipatocrinoidea, F. Stipatocrinidae Eckert and Brett, 1987, p. 3. Webster, 1993, p. 112. Eckert and Brett, 2001, p. 34, Fig. 11. Ausich and Copper, 2010, p. 35.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species  
Silurian, late Llandoveryan. United States, Canada

\**Stipatocrinus hulveri* Eckert and Brett, 1987, p. 7, Pls. 1-2; Figs. 1-8. Webster, 1993, p. 112. Ausich and Copper, 2010, p. 36, Pl. 8, fig. 2.

Silurian, late Llandoveryan, Reynales Formation. United States, New York; Gun River Formation, Macgillivray Member. Canada, Quebec, Anticosti Island

**STIPTOCRINUS** Kirk, 1946. \**S. spinosus* Kirk, 1946.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae

Kirk, 1946a, p. 34. Webster, 1973, p. 244. Macurda, 1974, p. 825, Figs. 1-2. Ubaghs in Moore and Teichert, 1978, p. T447. Webster, 1986, p. 291. Webster, 1988, p. 152. LeMenn, 2009, p. 468, Fig. 7.24, no. b.

Named, currently recognized species based on cups or crowns: 6 species. 5 Silurian, Niagaran; 1 Silurian, Niagaran - Devonian, Lochkovian  
Silurian, Niagaran – Devonian, Lochkovian. United States

*Stiptocrinus benedicti* (Miller, 1892) = *Stiptocrinus spinosus*

*Stiptocrinus carinatus* Kirk, 1946a, p. 34. Webster, 1973, p. 244.

*Saccocrinus benedicti* Springer, 1926a, Pl. 10, fig. 14, only. Kirk, 1946a, p. 34. Webster, 1973, p. 244.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

*Stiptocrinus chicagoensis* (Weller, 1900). Kirk, 1946a, p. 35. Webster, 1973, p. 245.

*Periechocrinus chicagoensis* Weller, S., 1900, p. 131, Pl. 13, fig. 7-8. Grabau and Shimer, 1910, p. 536. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 597. Kirk, 1946a, p. 35. Webster, 1973, p. 245.

*Periechocrinites chicagoensis* (Weller, 1900). Bassler and Moodey, 1943, p. 597  
Silurian, Niagaran, Racine Dolomite. United States, Illinois

- Stiptocrinus farringtoni* (Slocum, 1908). Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
*Habrocrinus farringtoni* Slocum, 1908, p. 298, Pl. 87, figs. 1-5. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 357. Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
*Carpocrinus farringtoni* (Slocum, 1908). Bassler and Moodey, 1943, p. 357.  
 Silurian, Niagaran, Racine Dolomite. United States, Illinois, Indiana
- Stiptocrinus howardi* (Miller, 1892). Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
*Saccocrinus howardi* Miller, S. A., 1892a, p. 681, Fig. 1244. Miller, S. A., 1892c, p. 30, Pl. 5, figs. 3-4. Miller, S. A., 1894, p. 284, Pl. 5, figs. 3-5. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 598. Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
*Periechocrinus howardi* (Miller, 1892). Wachsmuth and Springer, 1897, p. 529. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 598.  
*Periechocrinites howardi* (Miller, 1892). Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 598.  
 Silurian, Niagaran, Laurel Limestone. United States, Indiana
- Stiptocrinus nodosus* (Springer, 1926). Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
 Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 257, no. 1c. Webster, 1986, p. 291. Clement and Broadhead, 1994, p. 47.  
*Aorocrinus nodosus* Springer, 1926a, p. 47, Pl. 10, figs. 16, 16b. Bassler and Moodey, 1943, p. 305. Kirk, 1946a, p. 35. Webster, 1973, p. 245.  
 Silurian - Devonian, Niagaran - Lochkovian, Decatur Limestone; Ross Formation, Birdsong Member. United States, Tennessee
- \**Stiptocrinus spinosus* Kirk, 1946a, p. 35. Webster, 1973, p. 245. Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 257, no. 1b. Webster, 1986, p. 291.  
*Saccocrinus benedicti* Miller, S. A., 1892a, p. 681. Miller, S. A., 1892c, p. 29, Pl. 5, figs. 1-2. Miller, S. A., 1894, p. 283, Pl. 5, figs. 1-2. Bassler, 1915, p. 576. Springer, 1926a, p. 46, Pl. 10, figs. 6-9, 11-13 only. Bassler and Moodey, 1943, p. 669. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 5. Moore and Laudon, 1944, p. 191, Pl. 75, fig. 17. Kirk, 1946a, p. 34, 35. Strimple, 1963d, p. 109, Pl. 10, figs. 8-9. Webster, 1973, p. 244, 245.  
*Habrocrinus benedicti* (Miller, 1892). Slocum, 1908, p. 295, Pl. 87, figs. 6-7. Bassler, 1915, p. 576. Bassler and Moodey, 1943, p. 669. La Rocque and Marple, 1955, p. 73, Fig. 145. Webster, 1973, p. 233.  
*Stiptocrinus benedicti* (Miller, 1892). Kirk, 1946a, p. 34. Webster, 1973, p. 244. Ubaghs in Moore and Teichert, 1978, p. T447, Fig. 257, no. 1a. Webster, 1986, p. 291. Clement and Broadhead, 1994, p. 47.  
*Periechocrinus ornatus* Wachsmuth and Springer, 1897, p. 527, Pl. 51, fig. 7 only. Bassler and Moodey, 1943, p. 669.  
 Silurian, Niagaran, Decatur Limestone; Laurel Limestone; Racine Dolomite; Henryhouse Formation; Cedarville Limestone; Guelph Formation. United States, Tennessee, Indiana, Illinois, Oklahoma, Ohio
- Stiptocrinus* sp. Kirk, 1946a, p. 36. Webster, 1973, p. 245.  
*Habrocrinus benedicti* (Miller, 1892). Foerste, 1917a, p. 240, Pl. 10, figs. 50A-50B.

*Habrocrinus* sp. Foerste, 1917a, p. 242, Pl. 10, fig. 6. Kirk, 1946a, p. 36. Webster, 1973, p. 245.

Silurian, Niagaran, Cedarville Dolomite. United States, Ohio

**STOMIOCRINUS** Wanner, 1937. \**S. subglobosus* Wanner, 1937.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Dichocrinidae

Wanner, 1937, p. 84. Bassler, 1938, p. 175. Bassler and Moodey, 1943, p. 688.

Moore and Laudon, 1943b, p. 96. Branson, C. C., 1948, p. 212. Ubaghs, 1953, p. 741. Arendt and Hecker, 1964, p. 96. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 245. Webster, 1977, p. 161. Lane *in* Moore and Teichert, 1978, p. T477. Broadhead, 1981, p. 144. Webster, 1986, p. 291. Webster, 1988, p. 152. Webster, 1990, p. 58. Chen and Yao, 1993, p. 33, Fig. 16. Webster, 1993, p. 112. Webster, Waters, and Chen, 2009, p. 142.

Named, currently recognized species based on cups or crowns: 7 species. 1

Mississippian, Tournaisian; 6 Permian, 3 Artinskian, 3 series uncertain

Mississippian, Tournaisian. China, Yunnan

Permian, series uncertain. West Timor

Permian, Artinskian. Australia; Russia

*Stomiocrinus conlini* Strimple and Watkins, 1969 = *Dichocrinus conlini*

*Stomiocrinus ferruginus* Webster, 1990, p. 58, Pl. 3, figs. 4-5. Webster, 1993, p. 112.

Permian, Artinskian, Wandagee Formation. Australia, Western Australia

*Stomiocrinus merlinleighensis* Webster and Jell, 1992, p. 322, Fig. 2, nos. D-F.

Permian, Artinskian, top of Bulgadoo Shale. Australia, Western Australia, Carnarvon Basin

*Stomiocrinus minimus* Wanner, 1937, p. 86, Pls. 7, figs. 19-25; 8, figs. 1-3. Bassler and Moodey, 1943, p. 689. Branson, C. C., 1948, p. 212.

Permian, series uncertain. West Timor, Basleo

*Stomiocrinus ovatus* Chen and Yao, 1993, p. 34, Pl. 5, figs. 8-11; Fig. 17, nos. a-c.

Webster, Waters, and Chen, 2009, p. 142, Fig. 8, nos. a-g.

Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province

*Stomiocrinus permiensis* (Yakovlev, 1927). Yakovlev *in* Yakovlev and Ivanov, 1956, p.

67, Pl. 10, figs. 21-26. Arendt and Hecker, 1964, p. 96, Pl. 15, figs. 4-5.

Webster, 1973, p. 245.

Permian, Artinskian. Russia, central Ural Mountains

*Stomiocrinus piriformis* Wanner, 1937, p. 86, Pl. 8, figs. 4-8. Bassler and Moodey,

1943, p. 689. Branson, C. C., 1948, p. 212.

Permian, series uncertain. West Timor, Basleo

\**Stomiocrinus subglobosus* Wanner, 1937, p. 85, Pl. 7, figs. 11-18. Bassler, 1938, p. 175. Bassler and Moodey, 1943, p. 689. Branson, C. C., 1948, p. 213. Lane *in* Moore and Teichert, 1978, p. T477, Fig. 281, no. 5. Webster, 1986, p. 291. Permian, series uncertain. West Timor, Basleo

Stone lily Moodie, 1917, p. 23, Fig. 13, no. b. (*Agassizocrinus* sp. GDW) Mississippian, Serpukhovian (Chesterian). United States, Kentucky

**STORTHINGOCRINUS** Schultze, 1866. \**Platycrinus fritillus* Müller, 1855.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Pygmaeocrinidae

Schultze, 1866, p. 69 (adv. pub.). Schultze, 1867, p. 181. Zittel, 1880, p. 365. Zittel, 1895, p. 125. Bassler, 1938, p. 175. Bassler and Moodey, 1943, p. 689. Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 746. Webster, 1973, p. 245. Moore and Lane *in* Moore and Teichert, 1978, p. T603. Webster, 1986, p. 292. Hauser, 1997, p. 100, Fig. 29. Webster, Waters, and Chen, 2009, p. 142, Fig. 8, nos. a-g. *StORTHINGOCRINUS* Wachsmuth and Springer, 1886, p. 171. Bather *in* Lankester, 1900, p. 152. Wachsmuth *in* Zittel, 1900, p. 136. Schmidt, W. E., 1932, p. 25. Bassler, 1938, p. 176. Bassler and Moodey, 1943, p. 689.

Named, currently recognized species based on cups or crowns: 7 Devonian species, 2 subspecies, 4 Eifelian (+2 subspecies), 2 Eifelian – Givetian, 1 Famennian

ERLY - Late Devonian. Europe

*Storthingocrinus decagonus* (Goldfuss, 1839). Schultze, 1866, p. 70 (adv. pub.). Schultze, 1867, p. 182, Pl. 10, fig. 8. Bassler and Moodey, 1943, p. 689. Hauser, 1997, p. 100, Pl. 65, figs. 2-3. Hauser, 2001, Pl. 9, fig. 4.

*Platycrinus decagonus* Goldfuss, 1839, p. 345. Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 152. Bassler and Moodey, 1943, p. 689.

Devonian, Eifelian, Freilingen Formation, ?Nollenbach Member. Germany; Eifelian, Ahbach Formation. Spain

\**Storthingocrinus fritillus* (Müller in Zeiler and Wirtgen, 1855). Schultze, 1866, p. 69 (adv. pub.). Schultze, 1867, p. 181, Pl. 10, figs. 8-8f. Whidborne, 1895, p. 206, Pl.

23, figs. 10-10a. Reed, 1908, p. 37, Pl. 5, fig. 8. Bassler and Moodey, 1943, p. 689. Kesling and Smith, 1963, p. 188. Webster, 1973, p. 245. Moore and Lane *in* Moore and Teichert, 1978, p. T559, Fig. 351, no. 2. Webster, 1986, p. 292. Hauser, 1997, p. 101, Pl. 65, figs. 1, 4. Bohatý, 2001, p. 9. Hauser *in* Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 5. Hauser, 2008, p. 28, Pl. 15, figs. 1-4; Figs. 56, 58.

*Platycrinus fritillus* Müller, J. *in* Zeiler and Wirtgen, 1855b, p. 80, Pl. 10, fig. 4.

Müller,

J., 1859, p. 195. (**Note.** Müller attributes authorship to Wirtgen and Zeiler in his 1857 paper). Bassler, 1938, p. 176. Bassler and Moodey, 1943, p. 689.

*Symbathocrinus celechovicensis* Remes, 1929, p. 242, Pl. 1, figs. 3a-3b. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 188. Webster, 1973, p. 245.

- Synbathocrinus celechovicensis* (Remes, 1929). Bassler and Moodey, 1943, p. 695.  
Devonian, Eifelian - Givetian, Freilingen Formation, boundary beds of Ahbach-Loogh Formations. Germany; India; United Kingdom, Wolborough; Czech Republic
- Storthingocrinus fritillus alta* Hauser, 1997, p. 102, Pl. 64, fig. 5.  
Devonian, Eifelian, Freilingen Formation. Germany
- Storthingocrinus fritillus depressa* Hauser, 1997, p. 102, Pl. 64, fig. 6.  
Devonian, Eifelian, Freilingen Formation. Germany
- Storthingocrinus haugi* Oehlert, 1897, p. 821, Pl. 26, figs. 5-7; Fig. 2. Oehlert, 1902, p. 9, Pl. 3, figs. 5-7, Fig. 2, nos. a-c. Bassler and Moodey, 1943, p. 689. Breimer, 1962a, p. 145. Breimer, 1962b, p. 326. China, 1965, p. 45. Webster, 1973, p. 245.  
Devonian, Eifelian. Spain
- Storthingocrinus* aff. *haughi* Oehlert, 1896. Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 10 (sic, misspelled as *Storthingocrinus* cf. *haughi*).  
Devonian, late Emsian, Santa Lucia Formation. Spain
- Storthingocrinus* cf. *haugi* Oehlert, 1897. Schmidt, W. E., 1952, p. 155, Pl. 10, figs. 2a-2b. Webster, 1973, p. 245. Hauser in Hauser and Landeta, 2007, p. 74, Pl. 1, fig. 6 (sic, misspelled as *Storthingocrinus* cf. *haughi*).  
Devonian, Givetian, Portilla Formation. Spain
- Storthingocrinus labiatus* Schmidt, W. E., 1932, p. 26, Pl. 4, figs. 10a-10b. Bassler and Moodey, 1943, p. 689. Schmidt, W. E., 1952, p. 156, Pl. 10, figs. 3a-3b. Breimer, 1962a, p. 145. Breimer, 1962b, p. 326. China, 1965, p. 45. Webster, 1973, p. 245.  
Devonian, Eifelian, *Cultrijugatus* Biozone. Spain
- Storthingocrinus sphaericus* von Koenen, 1886, p. 116, Pl. 1, figs. 7a-7b. Bassler and Moodey, 1943, p. 689.  
Devonian, Famennian, Goniatic Limestone. Germany
- Storthingocrinus tabulatus* (Goldfuss, 1838). Bohatý, 2001, p. 9.  
Devonian, Eifelian. Germany
- Storthingocrinus trifidus* (Schultze, 1866). Bassler and Moodey, 1943, p. 689.  
*Platycrinus* (*Storthingocrinus*) *trifidus* Schultze, 1866, p. 70 (adv. pub.). Schultze, 1867, p. 182, Pl. 10, figs. 8a-8g. Hauser, 2001, p. 28, 131, Pl. 19, figs. 2-2a; Fig. 114.  
Devonian, Eifelian. Germany
- Storthingocrinus?* *wotanicus* Hauser, 1997, p. 103, Pl. 64, fig. 7.

Devonian, Eifelian - Givetian, boundary beds of Ahbach-Loogh Formations.  
Germany

*STORTINGOCRINUS* Wachsmuth and Springer, 1886 = ***STORTHINGOCRINUS***

***STREBLOCRINUS*** Koenig and Meyer, 1965. \**S. brachiatus* Koenig and Meyer, 1965.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae  
Koenig and Meyer, 1965, p. 393. Lane, N. G., 1967b, p. 13, Fig. 2. Arendt, 1970a,  
p. 197. Webster, 1973, p. 245. Webster, 1977, p. 161. Lane and Moore *in* Moore  
and Teichert, 1978, p. T603. Webster, 1986, p. 292. Sevastopulo and Lane,  
1988, p. 249. Webster, 1993, p. 112.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Givetian species

Devonian, Givetian. United States, New York

\**Streblocrinus brachiatus* Koenig and Meyer, 1965, p. 394, Figs. 2; 3, no. B; 4, nos. h-  
n. Arendt, 1970a, p. 197, Fig. 65. Webster, 1973, p. 245. Webster, 1977, p. 161.  
Lane and Moore *in* Moore and Teichert, 1978, p. T603, Figs. 388, no. 6; 390, no.  
5. Webster, 1986, p. 292.

Devonian, Givetian, Windom Member. United States, New York

***STREPTOCRINUS*** Wachsmuth and Springer, 1886. \**Ophiocrinus crotalurus*  
Angelin, 1878.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F.  
Mastigocrinidae

Wachsmuth and Springer, 1886, p. 224 (148). Bather, 1893a, p. 122. Zittel, 1895,  
p. 136. Bather *in* Lankester, 1900, p. 179. Wachsmuth *in* Zittel, 1900, p. 158.  
Springer *in* Zittel, 1913, p. 220. Jaekel, 1918, p. 60. Bassler, 1938, p. 176.  
Bassler and Moodey, 1943, p. 689. Moore and Laudon, 1943b, p. 54. Webster,  
1973, p. 245. Moore and Lane *in* Moore and Teichert, 1978, p. T625. Webster,  
1986, p. 292.

*OPHIOCRINUS* Angelin, 1878 (*non* Sharpe and Salter, 1856), p. 24. Zittel, 1879,  
p. 352. Wachsmuth and Springer, 1880 (1879), p. 97 (320). Bassler, 1938, p.  
141. Bassler and Moodey, 1943, p. 690.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Wenlockian species

Silurian, Wenlockian. Sweden

\**Streptocrinus crotalurus* (Angelin, 1878). Wachsmuth and Springer, 1886, p. 224.  
Bassler and Moodey, 1943, p. 690. Moore and Lane *in* Moore and Teichert,  
1978, p. T625, Figs. 407, no. 4. Webster, 1986, p. 292.

*Ophiocrinus crotalurus* Angelin, 1878, p. 24, Pl. 4, figs. 8a-8c. Wachsmuth and  
Springer, 1886, p. 224. Bassler, 1938, p. 141, 176. Bassler and Moodey, 1943,  
p. 690.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Streptocrinus crotalurus* Bather, 1893 (*non* Angelin, 1878) = *Cyliocrinus scolopendra*

**STREPTOSTOMOCRINUS** Yakovlev, 1927. \**S. caryophylloides* Yakovlev, 1927.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Streblocrinidae  
 Yakovlev, 1927b, p. 186. Bassler, 1938, p. 176. Bassler and Moodey, 1943, p.  
 264. Branson, C. C., 1948, p. 213. Moore, Lane, and Strimple *in* Moore and  
 Teichert, 1978, p. T605. Arendt, 1981, p. 90. Webster, 1988, p. 152.

Named, currently recognized species based on cups or crowns: 3 species. 2  
 Mississippian, 1 Viséan, 1 Serpukhovian; 1 Permian, Artinskian  
 Mississippian, late Viséan, Serpukhovian; Early Permian, late Artinskian. Russia,  
 Ural Mountains

\**Streptostomocrinus caryophylloides* Yakovlev, 1927b, p. 186, Pl. 6, figs. 1-6; Fig. 2.  
 Bassler and Moodey, 1943, p. 265. Branson, C. C., 1948, p. 176.

*Acariaiocrinus caryophylloides* (Yakovlev, 1927). Wanner, 1929, p. 74. Bassler  
 and Moodey, 1943, p. 265. Branson, C. C., 1948, p. 176. Yakovlev *in* Yakovlev  
 and Ivanov, 1956, p. 57, Pl. 10, figs. 7-13; Fig. 15. Yakovlev *in* Yakovlev and  
 Ivanov, 1964b, p. 58, Fig. 68. Arendt and Hecker, 1964, p. 84, Pl. 9, figs. 7-9.  
 Arendt, 1968a, p. 100, Fig. 1, no. v. Arendt, 1970a, p. 181, Pl. 10, figs. 11-14;  
 Fig. 57. Webster, 1973, p. 34. Webster, 1977, p. 27. Moore, Lane, and Strimple  
*in* Moore and Teichert, 1978, p. T605.

Permian, late Artinskian. Russia, Priurals

*Streptostomocrinus heckerae* Arendt, 2002, p. 120, Pl. 4, figs. 1-6; Fig. 1, nos. f-g.

Mississippian, early Serpukhovian, lower part of Steshev Horizon. Russia, Moscow  
 Basin

*Streptostomocrinus tsherepanovae* Arendt, 1981, p. 91, Pl. 30, figs. 3-10; Fig. 24, nos.  
 v-z. Webster, 1988, p. 152.

Mississippian, late Viséan. Russia, Southern Urals

**STRIMPLECRINUS** Arendt, 1981 (*non* Broadhead, 1981) = **HARRELLICRINUS**

**STRIMPLECRINUS** Broadhead, 1981. \**Dichocrinus plicatus* Hall, 1861.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F.  
 Dichocrinidae

Broadhead, 1981, p. 136. Chestnut and Ettensohn, 1988, p. 56, Fig. 10. Webster,  
 1988, p. 152. Webster, 1993, p. 112.

Named, currently recognized species based on cups or crowns: 10 species. 1  
 Devonian, Famennian; 9 Mississippian, 2 Tournaisian, 6 Viséan, 1  
 Serpukhovian

Devonian, Famennian - Mississippian, Chesterian. North America

*Strimplecrinus campto* (Laudon, 1933). Broadhead, 1981, p. 137, Pl. 13, figs. 6-7, 9,  
 14. Webster, 1988, p. 152.

*Dichocrinus campto* Laudon, 1933, p. 56, Pls. 2, fig. 10; 7, figs. 1-2. Bassler and  
 Moodey, 1943, p. 418. Laudon and Severson, 1953, p. 534, Pl. 54, fig. 17.  
 Rose, 1967, p. 140, Pl. 17, fig. 5. Jacobson, 1970, p. 232, Pl. 2, Unnum. Fig.  
 bottom left. Webster, 1973, p. 106. Webster, 1977, p. 69. Broadhead, 1981, p.  
 137. Wolf, 1983, p. 170, Pl. 23, fig. 1. Webster, 1988, p. 152.



Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation, Lodgepole Formation. United States, Iowa, Montana

*Strimblecrinus coxanus* (Worthen, 1883). Broadhead, 1981, p. 138, Pl. 14, figs. 2, 6, 11. Feldman, 1989b, p. 908, Fig. 4, no. 6. Webster, 1988, p. 153. Webster, 1993, p. 113.

*Dichocrinus coxanus* Worthen, 1882, p. 35. Miller, S. A., 1889, p. 239. Worthen, 1893, p. 313, Pl. 27, fig. 7. Wachsmuth and Springer, 1897, p. 763, Pl. 76, fig. 9. Weller, S., 1898c, p. 221. Bassler and Moodey, 1943, p. 419. Laudon, 1973b, p. 32, Fig. 7. Broadhead, 1981, p. 138. Webster, 1988, p. 153.

*Dichocrinus oblongus* Wachsmuth and Springer, 1897, p. 759, Pl. 77, fig. 9. Miller, S. A., 1897, p. 742. Weller, S., 1898c, p. 223. Springer, 1926b, p. 40, Pl. 11, figs. 5-6. Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 138. Webster, 1988, p. 153.

*Dichocrinus striatus?* Owen and Shumard, 1850. Beede, 1906, p. 1258, Pls. 13, figs. 5-5b; 17, figs. 1-1a. Broadhead, 1981, p. 138.

Mississippian, Viséan (Osagean), Keokuk Limestone; Burlington Limestone; Salem Limestone, Somerset Shale Member; Spergen Limestone. United States, Illinois, Iowa, Indiana

*Strimblecrinus dyerensis* Webster and Hafley in Webster *et al.*, 1999, p. 465, Figs. 3.7-3.8.

Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado

*Strimblecrinus inornatus* (Wachsmuth and Springer, 1890). Broadhead, 1981, p. 138, Pls. 13, figs. 1, 10-13; 14, fig. 13; Fig. 2, no. D. Broadhead, 1985, p. 208, Fig. 2, no. A. Webster, 1988, p. 153. Ausich in Hess *et al.*, 2000, p. 135, Figs. 142, no. B; 143, no. B. Gahn and Baumiller, 2004, p. 19, Fig. 3, no. C. O'Malley, Ausich, and Chin, 2008, p. 291, Fig. 13.1, nos. 2, 22.

*Dichocrinus inornatus* Wachsmuth and Springer in Miller, 1889, p. 239, Fig. 285. Wachsmuth and Springer, 1890a, p. 190, Pl. 16, figs. 1-2. Wachsmuth and Springer, 1897, p. 770, Pl. 77, figs. 12a-12b. Weller, S., 1898c, p. 222. Grabau and Shimer, 1910, p. 521, Figs. 1806, no. d; 1846. Wilson, H. E., 1916, p. 510, Pl. 3, figs. 12-13. Laudon and Beane, 1937, p. 250, Pl. 16, fig. 9. Bassler and Moodey, 1943, p. 420. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 14. Moore and Laudon, 1944, p. 197, Pl. 78, fig. 7. Boyt, 1962, Unnum. Fig. p. 11. Rose, 1967, p. 140, Pl. 17, fig. 8. Laudon, 1973b, p. 32, Fig. 7. Webster, 1973, p. 107. Webster, 1977, p. 69. Wolf, 1979, p. 150, Fig. 1, no. f. Broadhead, 1981, p. 138. Williams, M. E., 1982, p. 20, Pl. 1. Webster, 1986, p. 127. Webster, 1988, p. 153.

*Dichocrinus hammondi* Laudon and Beane, 1937, p. 251, Pl. 16, fig. 10. Bassler and Moodey, 1943, p. 420. Broadhead, 1981, p. 138. Webster, 1988, p. 153. Mississippian, Tournaisian (Kinderhookian), Hampton Formation, Maynes Creek Member, Wassonville Cycle. United States, Iowa

- Strimplecrinus ovatus* (Owen and Shumard, 1850). Broadhead, 1981, p. 139, Pls. 13, figs. 2-5; 14, fig. 9. Webster, 1988, p. 153.
- Dichocrinus ovatus* Owen and Shumard, 1850, p. 61, Pl. 7, figs. 9a-9b. Owen and Shumard, 1852, p. 590, Pl. 5-A, figs. 9a-9b. Owen and Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, (part), Pl. 76, fig. 7; 77, figs. 8a-8b. Weller, S., 1898c, p. 223. Bassler and Moodey, 1943, p. 421. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70. Broadhead, 1981, p. 139. Webster, 1988, p. 153.
- Mississippian, Viséan (Osagean), lower and upper part of Burlington Limestone. United States, Iowa
- Strimplecrinus pendens* (Wachsmuth and Springer, 1897). Broadhead, 1981, p. 140, Pl. 14, figs. 1, 5, 7-8, 12. Webster, 1988, p. 153.
- Dichocrinus pendens* Wachsmuth and Springer, 1897, p. 774, Pl. 78, fig. 15. Miller, S. A., 1897, p. 742. Weller, S., 1898c, p. 223. Springer, 1926b, p. 39, Pl. 11, figs. 1-4. Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 140. Webster, 1988, p. 153.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Strimplecrinus pisum* (Meek and Worthen, 1869). Broadhead, 1981, p. 141, Pls. 14, fig. 10; 15, figs. 1-2, 6, 10, 22. Broadhead, 1985, p. 211, Fig. 5, no. A. Webster, 1988, p. 153.
- Dichocrinus pisum* Meek and Worthen, 1869a, p. 69. Meek and Worthen, 1873, p. 441, Pl. 3, fig. 2. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 763, Pls. 76, fig. 5; 77, fig. 10. Weller, S., 1898c, p. 224. Bassler and Moodey, 1943, p. 422. Laudon, 1973b, p. 32, Fig. 7. Broadhead, 1981, p. 141. Webster, 1988, p. 153.
- Dichocrinus prisus* Meek and Worthen, 1869. Webster, 1977, p. 70 (sic).
- Mississippian, Viséan (Osagean), lower part of Burlington Limestone; Lake Valley Limestone. United States, Iowa, New Mexico
- \**Strimplecrinus plicatus* (Hall, 1861). Broadhead, 1981, p. 136, Pl. 15, figs. 3-5, 7-9, 11, 14, 20. Webster, 1988, p. 153.
- Dichocrinus plicatus* Hall, 1861a, p. 288. Hall, 1862b, p. 4. Hall, 1861c, p. 288. Shumard, 1868, p. 366. Hall, 1872c, Pl. 2-A, figs. 9-10. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 758, Pl. 77, figs. 5a-5b. Weller, S., 1898c, p. 224. Bassler and Moodey, 1943, p. 422. Moore and Laudon, 1944, p. 197, Pl. 78, fig. 5. Webster, 1973, p. 107. Webster, 1977, p. 70. Broadhead, 1981, p. 136. Webster, 1988, p. 153.
- Dichocrinus plicatulus* Hall, 1861. Laudon, 1973b, p. 32, Fig. 7 (sic).
- Dichocrinus striatus* Owen and Shumard, 1850. Wachsmuth and Springer, 1897, p. 757, Pl. 77, fig. 11b only.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Strimplecrinus striatus* (Owen and Shumard, 1850). Broadhead, 1981, p. 141, Pl. 15, figs. 12-13, 15-19, 21. Webster, 1988, p. 153.

*Dichocrinus striatus* Owen and Shumard, 1850, p. 62, Pl. 7, figs. 10a-10b. Owen and

Shumard, 1852, p. 590, Pl. 5-A, figs. 10a-10b. Owen and Shumard, 1868, p. 367.

Miller, S. A., 1889, p. 239. Keyes, 1894a, p. 203, Pl. 25, fig. 8. Wachsmuth and Springer, 1897, p. 757, Pl. 77, figs. 11a-11b (part). Weller, S., 1898c, p. 225. Grabau and Shimer, 1910, p. 521. Bassler and Moodey, 1943, p. 422. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 70. Broadhead, 1981, p. 141. Webster, 1988, p. 153.

*Dichocrinus lineatus* Meek and Worthen, 1869a, p. 69. Meek and Worthen, 1873, p. 440, Pl. 3, fig. 1. Miller, S. A., 1889, p. 239. Wachsmuth and Springer, 1897, p. 761, Pl. 76, figs. 4a-4c. Weller, S., 1898c, p. 222. Moore, 1939b, p. 199, Fig. 8, nos. 6a-6b (basal circlet). Bassler and Moodey, 1943, p. 421. Broadhead, 1981, p. 141. Webster, 1988, p. 153.

*Dichocrinus ovatus* Wachsmuth and Springer, 1897 (pars). Broadhead, 1981, p. 142. Webster, 1988, p. 153.

*Dichocrinus* sp. cf. *D. lineatus* Meek and Worthen, 1869. Brower, 1970, p. 518, Pl. 65, figs. 1-2. Webster, 1977, p. 69. Broadhead, 1981, p. 142. Webster, 1988, p. 153.

*Dianobasis lineata* (Meek and Worthen, 1873). Moore, 1939b, p. 205.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone; Redwall Limestone, Thunder Springs Member, Thunder Springs Member or Mooney Falls Member. United States, Iowa, Arizona

*Strimplecrinus superstes* (Wachsmuth and Springer, 1897). Broadhead, 1981, p. 142,

Pl. 13, fig. 8. Chestnut and Etensohn, 1988, p. 56, Pl. 8, fig. 15. Webster, 1988, p. 154. Webster, 1993, p. 113.

*Dichocrinus superstes* Wachsmuth and Springer, 1897, p. 766, Pl. 76, fig. 12.

Miller,

S. A., 1897, p. 742. Weller, S., 1898c, p. 225. Bassler and Moodey, 1943, p. 422.

Broadhead, 1981, p. 142. Webster, 1988, p. 154.

Mississippian, Serpukhovian (middle Chesterian), Pennington Formation, Glen Dean Formation. United States, Kentucky, Alabama

*Strimplecrinus tuberculus* Arendt, 1981 = \**Harrellicrinus tuberculus*

*Strimplecrinus* sp. A Broadhead, 1981, p. 143, Pl. 14, figs. 3-4. Webster, 1988, p. 154.

Mississippian, Viséan (Osagean), Burlington Limestone, Lake Valley Formation. United States, Iowa, New Mexico

*Strimplecrinus* spp. Broadhead, 1981, p. 136, Fig. 3, no. D. (diagramatic)

**STROBOCRINUS** Lane, 1979. \**S. brachiatus* Lane, 1979.

Sbc. Flexibila, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae Lane, N. G., 1979, p. 129. Webster, 1986, p. 292.

Named, currently recognized species based on cups or crowns: 1 Permian,  
 Guadalupian species  
 Permian, Guadalupian. Tunisia

\**Strobocrinus brachiatus* Lane, N. G., 1979, p. 129, Pl. 1, figs. 6-8; Fig. 1, no. 1.  
 Webster, 1986, p. 292.  
 Permian, Guadalupian. Tunisia

**STRONGYLOCRINUS** Wanner, 1916. \**S. molengraffi* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mollocrinoidea, F.  
 Mollocrinidae

Wanner, 1916, p. 72. Wanner, 1924, p. 179. Bassler, 1938, p. 177. Bassler and  
 Moodey, 1943, p. 690. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948,  
 p.  
 213. Arendt and Hecker, 1964, p. 92. Moore and Strimple, 1973, P. 45. Webster,  
 1973, p. 246. Webster, 1977, p. 161. Moore and Lane *in* Moore and Teichert,  
 1978, p. T658. Webster, 1986, p. 292.

Named, currently recognized species based on cups or crowns: 4 species. 2  
 Pennsylvanian, Morrowan; 2 Permian, 1 Artinskian, 1 series uncertain  
 Pennsylvanian, Morrowan. United States, Oklahoma  
 Permian, series uncertain. West Timor  
 Permian, Artinskian. Russia

*Strongylocrinus hansonii* Moore and Strimple, 1973, p. 46, Pl. 5, figs. 4a-4d. Webster,  
 1977, p. 162.  
 Pennsylvanian, Morrowan, Bloyd Formation: United States, Oklahoma

\**Strongylocrinus molengraffi* Wanner, 1916, p. 72, Pl. 101 (6), fig. 11; Fig. 12. Wanner,  
 1924, p. 209, Pls. 9, figs. 8-13; 15, fig. 26. Wanner, 1931, p. 3, Pl. 4, figs. 11-12;  
 Fig. 1. Bassler, 1938, p. 177. Bassler and Moodey, 1943, p. 690. Branson, C. C.,  
 1948, p. 213. Moore and Lane *in* Moore and Teichert, 1978, p. T658, Fig. 431,  
 no. 2. Webster, 1986, p. 292.  
 Permian, series uncertain. West Timor, Basleo, Niki Niki

*Strongylocrinus ornatus* Moore and Strimple, 1973, p. 46, Pl. 4, figs. 2a-2b. Webster,  
 1977, p. 161.  
 Pennsylvanian, Morrowan, Bloyd Formation, Brentwood Member. United States,  
 Oklahoma

*Strongylocrinus uralicus* Yakovlev, 1937a, p. 9, Pl. 1, fig. 2. Bassler and Moodey,  
 1943, p. 690. Branson, C. C., 1948, p. 213. Yakovlev *in* Yakovlev and Ivanov,  
 1956, p. 63, Pl. 11, fig. 16. Arendt and Hecker, 1964, p. 92, Pl. 13, figs. 12-13.  
 Webster, 1973, p. 246.  
 Permian, Artinskian. Russia, Krasnoufimsk

**STROPHOCRINUS** Sardeson, 1899 = **CARABOCRINUS**

*Strophocrinus dicyclis* Sardeson, 1899 = *Carabocrinus dicyclis*

*Strophocrinus podolithus* Sardeson, 1908 = *Carabocrinus dicyclicus*

**STROTOCRINUS** Meek and Worthen, 1866. \**Actinocrinus glyptus* Hall, 1860.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Meek and Worthen, 1866b, p. 253. Meek and Worthen, 1869, p. 158. Meek and Worthen, 1873, p. 327. Zittel, 1880, p. 344, 370. Wachsmuth and Springer, 1881,

p. 158 (332). Miller, S. A., 1889, p. 283. Zittel, 1895, p. 128. Wachsmuth and Springer, 1897, p. 637. Bather *in* Lankester, 1900, p. 170. Wachsmuth *in* Zittel, 1900, p. 142. Grabau and Shimer, 1910, p. 530. Springer *in* Zittel, 1913, p. 198. Bassler, 1938, p. 177. Bassler and Moodey, 1943, p. 690. Moore and Laudon, 1943b, p. 93, Fig. 15. Moore and Laudon, 1944, p. 193, Pl. 71, fig. 14. Ubaghs, 1953, p. 739. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 246. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 162. Haugh, 1978, p. 163, Fig. 11, no. H. Bowsher *in* Moore and Teichert, 1978, p. T461. Webster, 1986, p. 293. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1993, p. 113.

Named, currently recognized species based on cups or crowns: 4 Mississippian, 1 Tournaisian, 3 Viséan

Mississippian, Tournaisian – Viséan (Kinderhookian - middle Osagean). United States

*Strotocrinus aegilops* Hall, 1860 = *Teleiocrinus umbrosus*

*Strotocrinus (Physetocrinus?) asper* Meek and Worthen, 1870 = *Physetocrinus asper*

*Strotocrinus asperrimus* Meek and Worthen, 1870 = *Cusacrinus asperrimus*

*Strotocrinus? asperrimus* Meek and Worthen, 1870 = *Actinocrinites asperrimus* = *Cusacrinus asperrimus*

*Strotocrinus blairi* Miller and Gurley, 1895b, p. 48, Pl. 2, fig. 24. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 615. Bassler and Moodey, 1943, p. 690. Macurda, 1974, p. 828. Webster, 1986, p. 293.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Strotocrinus bloomfieldensis* Miller, 1880 = *Strotocrinus regalis* = *S. glyptus*

*Strotocrinus (Physetocrinus?) dilatatus* Meek and Worthen, 1870 = *Physetocrinus dilatatus*

*Strotocrinus dilatatus* Meek and Worthen, 1870 = *Physetocrinus dilatatus*

*Strotocrinus ectypus* Meek and Worthen, 1870 = *Cactocrinus ectypus* = *Cusacrinus ectypus*

- \**Strotocrinus glyptus* (Hall, 1860). Meek and Worthen, 1866a, p. 190. Miller, S. A., 1889, p. 284. Wachsmuth and Springer, 1897, p. 640, Pls. 60, figs. 1a-1c; 65, figs. 2a-2b. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 690. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 9. Laudon, 1948, Pl. 3. Haugh, 1973a, p. 86, Pls. 1, figs. 6, 14; 2, fig. 8; Fig. 6, nos. h-i. Webster, 1973, p. 246. Macurda, 1974, p. 828. Haugh, 1975a, p. 480, Pl. 5, fig. 7. Webster, 1977, p. 162. Ubaghs *in* Moore and Teichert, 197, p. T179, Figs. 151, no. 7; 170. Bowsher *in* Moore and Teichert, 1978, p. T462, Fig. 270, no. 1c. Webster, 1986, p. 293. Ausich and Kammer, 1991b, p. 941. Ausich *in* Hess et al., 1999 p. 143, Figs. 152-153.
- Actinocrinus glyptus* Hall, 1860, p. 2. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, C., 1898c, p. 616. Macurda, 1974, p. 829. Webster, 1986, p. 293. Ausich and Kammer, 1991b, p. 941.
- Actinocrinus perumbrosus* Hall, 1860, p. 7. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Ausich and Kammer, 1991b, p. 941.
- Strotocrinus perumbrosus* (Hall, 1860). Meek and Worthen, 1866a, p. 188, Fig. 5. Billings, E., 1869-1870, p. 72. Meek and Worthen, 1873, p. 357, Pl. 8, fig. 4. Miller, S. A., 1889, p. 284, Fig. 435. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Macurda, 1974, p. 829. Bowsher *in* Moore and Teichert, 1978, p. T461, Fig. 270, nos. 1a-1b. Webster, 1986, p. 293. Ausich and Kammer, 1991b, p. 941.
- Strotocrinus perumbrosus?* (Hall, 1860). Ausich and Kammer, 1991b, p. 941.
- Strotocrinus bloomfieldensis* Miller, S. A., 1880a, p. 258, Pl. 15, figs. 6-6a. Miller, S. A., 1881a, p. 76, Pl. 1, fig. 6. Miller, S. A., 1889, p. 284. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Ausich and Kammer, 1991b, p. 941.
- Actinocrinus regalis* Hall, 1860, p. 8. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 616. Bassler, 1938, p. 177. Bassler and Moodey, 1943, p. 691. Ausich and Kammer, 1991b, p. 941.
- Strotocrinus regalis* (Hall, 1860). Meek and Worthen, 1866a, p. 189, Pl. 16, figs. 6a-6b; Fig. 6. Wachsmuth and Springer, 1881, p. 160 (334), Pl. 18, fig. 1. Keyes, 1888, p. 234, Pl. 1, fig. 7. Miller, S. A., 1889, p. 284, Figs. 436-437. Keyes, 1890a, Pl. 8, fig. 7. Keyes, 1894, p. 193, Pl. 24, fig. 9. Wachsmuth and Springer, 1897, p. 638, Pls. 4, fig. 4; 65, figs. 6a-6d. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 616. Delage and Herouard, 1903, p. 385, Fig. 473. Clarke, 1909b, p. 165, Pl. 6, fig. 6. Grabau and Shimer, 1910, p. 530, Fig. 1857. Clarke, 1921b, p. 75, Fig. 62. Bassler and Moodey, 1943, p. 691. Macurda, 1974, p. 829. Ubaghs *in* Moore and Teichert, 1978, p. T197, Fig. 167, nos. 1, 3. Webster, 1986, p. 293. Ausich and Kammer, 1991b, p. 941.
- Strotocrinus (Actinocrinus) regalis* (Hall, 1860). Lesley, 1889, p. 1139, Fig. 7.
- Actinocrinus speciosus* Meek and Worthen, 1860, p. 386. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Ausich and Kammer, 1991b, p. 941.
- Mississippian, Viséan (middle Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri

*Strotocrinus liratus* (Hall, 1859) = *Teleiocrinus liratus*

*Strotocrinus ornatus* Miller and Gurley, 1896a, p. 30, Pl. 2, figs. 12-14. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Macurda, 1974, p. 829. Webster, 1986, p. 293.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Strotocrinus perumbrosus* (Hall, 1860) = *Strotocrinus glyptus*

*Strotocrinus perumbrosus?* (Hall, 1860) = *Strotocrinus glyptus*

*Strotocrinus regalis* (Hall, 1860) = *Strotocrinus perumbrosus* = *S. glyptus*

*Strotocrinus (Actinocrinus) regalis* (Hall, 1860) = *Strotocrinus perumbrosus* = *S. glyptus*

*Strotocrinus subumbrosus* (Hall, 1859) = *Teleiocrinus liratus*

*Strotocrinus umbrosus* Meek and Worthen, 1873 (*non* Hall, 1860) = *Teleiocrinus umbrosus*

*Strotocrinus venustus* Miller and Gurley, 1893, p. 26, Pl. 6, fig. 1. Miller, S. A., 1897, p. 753. Weller, C., 1898c, p. 616. Bassler and Moodey, 1943, p. 691. Macurda, 1974, p. 829. Webster, 1986, p. 293.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

*Strotocrinus* spp.

Dacqué, 1921, p. 465, Fig. 222.

Mississippian. U. S., Indiana

Ubaghs, 1953, p. 739, Fig. 138, no. a. Webster, 1973, p. 246.

Mississippian

Yakovlev, 1964b, p. 709, Fig. 112. Webster, 1973, p. 246.

Mississippian

Haugh, 1975a, p. 483, Pls. 2, figs. 6, 9; 5, figs. 1-3. Webster, 1986, p. 293.

No age given

Mironova and Yeltyschewa, 1978, p. 25, Fig. 3. Webster, 1986, p. 293.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

Boucot, 1990, p. 20, Fig. 8.

Mississippian. United States

**STRUSZOCRINUS** Jell, *et al.*, 1988. \**S. dulciculus* Jell, *et al.*, 1988.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F. Carpocrinidae

Jell *et al.*, 1988, p. 366. Webster, 1993, p. 113.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian

species

Devonian, Pragian. Australia, New South Wales

\**Struszocrinus dulciculus* Jell, *et al.*, 1988, p. 367, Figs. 9-10. Webster, 1993, p. 113.  
Devonian, Pragian, Garra Formation. Australia, New South Wales

**STRUVEICRINITES** Hauser, 1998. \**S. holleri* Hauser, 1998.

Sbc. Cladida, F. uncertain

Hauser, 1998, p. 246.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian species

Devonian, middle Eifelian. Germany

\**Struveicrinites holleri* Hauser, 1998, p. 246, Figs. 1-2 (nomen correctum).

Devonian, middle Eifelian, Ahrdorf Formation, ?Flesten Member. Germany

**STUARTWELLECRINUS** Arebndt and Hecker, 1964 = **STUARTWELLERCRINUS**

**STUARTWELLERCRINUS** Moore and Plummer, 1938. \**Cibolocrinus turbinatus* Weller, 1909.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Spaniocrinidae

Moore and Plummer, 1938, p. 305. Bassler, 1938, p. 177. Moore and Plummer, 1940, p. 328. Bassler and Moodey, 1943, p. 691. Moore and Laudon, 1943b, p. 60, Fig. 8. Moore and Laudon, 1944, p. 175. Branson, C. C., 1948, p. 213. Webster, 1973, p. 246. Moore and Strimple *in* Moore and Teichert, 1978, p. T656. Webster, 1986, p. 293. Webster, 1988, p. 154.

**STUARTWELLECRINUS** Arendt and Hecker, 1964, p. 93. Webster, 1973, p. 246.

Named, currently recognized species based on cups or crowns: 8 species. 1

Pennsylvanian, Morrowan; 6 Permian, 4 Wolfcampian, 3 series uncertain Early Pennsylvanian, Morrowan; Early Permian, Wolfcampian. United States, Permian, series uncertain. West Timor

*Stuartwellerocrinus argentinei* Strimple, 1949 = *Exaetocrinus argentinei*

*Stuartwellerocrinus corbatoi* Lane and Webster, 1966, p. 37, Pl. 8, figs. 1-9; Figs. 11-14. Webster and Lane, 1967, p. 20, Pl. 2, fig. 12. Webster, 1973, p. 246.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Stuartwellerocrinus jonkeri* (Wanner, 1924) = *Cibolocrinus jonkeri*

*Stuartwellerocrinus minimus* (Wanner, 1916). Moore and Plummer, 1938, p. 305.

Bassler and Moodey, 1943, p. 691. Branson, C. C., 1948, p. 213.

*Cibolocrinus minimus* Wanner, 1916, p. 211, Pl. 103 (8), fig. 12. Wanner, 1937, p. 183, Pl. 12, figs. 21-23. Bassler and Moodey, 1943, p. 691. Branson, 1948, p. 213. Strimple and Pareyn, 1982, p. 229. Webster, 1988, p. 53.

Permian, series uncertain. West Timor, Basleo



- Stuartwellerocrinus praedecta* Strimple, 1961c, p. 188, Pl. 1, figs. 7-9. Webster, 1973, p. 246.  
Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma
- Stuartwellerocrinus propinquus* (Wanner, 1916). Moore and Plummer, 1938, p. 305. Bassler and Moodey, 1943, p. 691. Branson, C. C., 1948, p. 213.  
*Cibolocrinus propinquus* Wanner, 1916, p. 213, Pl. 103 (8), fig. 13; Fig. 57. Wanner, 1924, p. 257, Pl. 18, figs. 6-11. Wanner, 1937, p. 190, Fig. 671. Bassler and Moodey, 1943, p. 691. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 53.  
Permian, series uncertain. West Timor, Basleo
- Stuartwellerocrinus pusillus* (Wanner, 1937). Wanner, 1949a, p. 48, Pl. 3, fig. 22. Webster, 1973, p. 246. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
*Cibolocrinus pusillus* Wanner, 1937, p. 193, Pl. 12, figs. 28-31. Bassler and Moodey, 1943, p. 363. Branson, C. C., 1948, p. 187. Wanner, 1949a, p. 48. Webster, 1973, p. 246. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
Permian, series uncertain. West Timor, Basleo
- Stuartwellerocrinus symmetricus* (Weller, 1909). Moore and Plummer, 1938, p. 305. Moore and Plummer, 1940, p. 332, Pl. 15, figs. 2-3. Bassler and Moodey, 1943, p. 691. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 6. Moore and Laudon, 1944, p. 175, Pl. 60, fig. 19. Branson, C. C., 1948, p. 213. Webster, 1973, p. 246. Moore and Strimple *in* Moore and Teichert, 1978, p. T656, Fig. 429, no. 2. Strimple and Pareyn, 1982, p. 230. Webster, 1986, p. 293. Webster, 1988, p. 154.  
*Cibolocrinus symmetricus* Weller, S., 1909, p. 633, Pl. 1, figs. 27-30. Bassler and Moodey, 1943, p. 691. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
Permian, Wolfcampian, Cibolo Formation. United States, Texas
- Stuartwellerocrinus texanus* (Weller, 1909). Moore and Plummer, 1938, p. 305. Moore and Plummer, 1940, p. 331, Pl. 15, fig. 1. Bassler and Moodey, 1943, p. 692. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
*Cibolocrinus texanus* Weller, S., 1909, p. 633, Pl. 1, figs. 18-19. Bassler and Moodey, 1943, p. 692. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
Permian, Wolfcampian. United States, Texas
- \**Stuartwellerocrinus turbinatus* (Weller, 1909). Moore and Plummer, 1938, p. 305. Moore and Plummer, 1940, p. 329. Bassler and Moodey, 1943, p. 692. Branson, C. C., 1948, p. 213. Strimple and Pareyn, 1982, p. 230. Webster, 1988, p. 154.  
*Cibolocrinus turbinatus* Weller, S., 1909, p. 632, Pl. 1, figs. 23-26. Bassler, 1938, p. 178. Bassler and Moodey, 1943, p. 692. Branson, C. C., 1948, p. 213. Webster, 1988, p. 154.

Permian, Wolfcampian. United States, Texas

*Stuartwellerocrinus* spp.

Termier, H. and Termier, G., 1958, p. 53, Pl. 2, figs. a-c. Webster, 1973, p. 246.  
Permian. Tunisia

Termier, Termier, and Vachard, 1977, p. 95. Webster, 1986, p. 293.  
Permian, Series of Merbah el Ouissif. southern Tunisia

*Stuartwellerocrinus?* sp. Termier, G. and Termier, H., 1950, p. 91, Pl. 222, figs. 9-13.  
Webster, 1973, p. 246.

Pennsylvanian, Westphalian. Algeria

**STYLOCRINUS** Sandberger and Sandberger, 1850-1856. \**Platycrinites tabulatus*  
Goldfuss, 1839.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Synbathocrinidae

Sandberger and Sandberger, 1850-1856, p. 399. Wachsmuth and Springer, 1886,  
p. 171 (95). Zittel, 1895, p. 125. Bather *in* Lankester, 1900, p. 152. Wachsmuth  
*in* Zittel, 1900, p. 136. Springer *in* Zittel, 1913, p. 209. Bassler, 1938, p. 178.

Bassler and Moodey, 1943, p. 692. Moore and Laudon, 1943b, p. 31. Ubaghs,  
1953, p. 746. Dubatolova, 1971, p. 17. Webster, 1973, p. 246. Webster, 1977, p.  
162. Moore and Lane *in* Moore and Teichert, 1978, p. T560. Polyarnaya, 1986,  
p. 76. Webster, 1986, p. 293. Webster, 1993, p. 113. Hauser, 1997, p. 96, Fig. 28.  
Hauser 2001, p. 134, Fig. 115. Hauer, 2009, p. 25, Fig. 48. Bohatř, J., 2011a, p.  
1183.

Named, currently recognized species based on cups or crowns: 4 species, 2  
subspecies. 1 Silurian, Niagaran, 2 Devonian, 1 Eifelian, 1 Eifelian – Givetian (+2  
subspecies), 1 Givetian

Silurian, Niagaran. United States, Oklahoma

Middle Devonian, Eifelian. Russia, Siberia, Salair, Kemerowo

Middle Devonian, Eifelian – Givetian. Europe, Germany, Russia

Late Devonian, Frasnian. Western Australia

*Stylocrinus bulgeri* (Burdick and Strimple, 1969). Gahn and Baumiller, 2010, p. 514h,  
Fig. 8, nos. A-B.

Mississippian, Chesteran, Pride Mountain Formation. United States, Alabama

*Stylocrinus? canandaigua* Goldring, 1923 = *Synbathocrinus canandaigus*

*Stylocrinus elimatus* Strimple, 1963d, p. 34, Pl. 1, figs. 6-8. Webster, 1973, p. 247.  
Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Stylocrinus granulatus* Hauser, 1997, p. 98, Pl. 71, figs. 3-4. Bohatř, J., 2011a, p. 1189,  
Fig. 11.

Devonian, Eifelian, Freilingen Formation, Bohnert Member, *kockelianus/ensensis*  
Conodont Biozone. Germany

*Stylocrinus prescheri* Bohatř, J., 2011a, p. 1191, Fig. 12.

Devonian, lowermost part of early Givetian, Ahbach Formation, Müllert Subformation, Olifant Member, *hemiansatus* Conodont Biozone. Germany

*Stylocrinus scaber* Sandberger and Sandberger, 1856 = *Stylocrinus tabulatus altus*

\**Stylocrinus tabulatus* (Goldfuss, 1839). Wachsmuth and Springer, 1886, p. 171 (95). Bassler and Moodey, 1943, p. 692. Webster, 1993, p. 113. Hauser, 1997, p. 96, Pl. 70, figs. 1-2, 5 (not Pl. 70, fig. 9 as given p. 96). Jell and Jell, 1999, p. 229, Fig. 26, nos. A-D. Hauser, 2001, p. 28, 134, Pl. 13, figs. 5-6. Hauser, 2008, p. 26, Fig. 49.

*Platycrinites tabulatus* Goldfuss, 1839, p. 345. Quenstedt, 1852, p. 617, Pl. 54, figs. 25a-25c. Steininger, 1853, p. 37. Quenstedt, 1885, p. 952, Pl. 76, fig. 17. Bassler and Moodey, 1943, p. 692. Polyarnaya, 1986, p. 77. Webster, 1993, p. 113. Bohatý, J., 2011a, p. 1185, Figs. 1-7, 9-10.

*Platycrinus tabulatus* (Goldfuss, 1839). Bronn, 1848, p. 993. Dujardin and Hupé, 1862, p. 152.

*Stylocrinus tabulatus tabulatus* (Goldfuss, 1839). Dubatolova, 1971, p. 19, Pl. 1, figs. 5-10; Fig. 2. Webster, 1977, p. 162.

*Symbathocrinus tabulatus* (Goldfuss, 1839). Müller, J. in Zeiler and Wirtgen, 1855, p. 19, Pl. 4, figs. 4-5. Schultze, 1866, p. 27 (adv. pub.). Schultze, 1867, p. 139, Pl. 3, figs. 4-5. Holzapfel, 1895, p. 300. Bassler and Moodey, 1943, p. 692.

Devonian, Eifelian - Givetian, Junkerberg Formation; Loogh Formation; late Frasnian, Sadler Limestone. Germany; Australia, Western Australia

*Stylocrinus tabulatus altus* (Müller in Zeiler and Wirtgen, 1855). Bassler and Moodey, 1943, p. 692. Polyarnaya, 1986, p. 77, Unnum. Pl., fig. 3; Fig. 1. Webster, 1993, p. 113. Hauser, 1997, p. 96, Pls. 70, figs. 6-7; 71, fig. 1. Hauser, 2001, p. 135, Fig. 116 (misspelled as *Stylocrinus tabulatus alta*).

*Platycrinites tabulatus* Goldfuss, 1839, p. 345. Bassler, 1938, p. 178. Polyarnaya, 1986, p. 77. Webster, 1993, p. 113.

*Symbathocrinus tabulatus* (Goldfuss) var. *alta* Müller, J. in Zeiler and Wirtgen, 1855a, p. 19, Pl. 6, fig. 5. Schultze, 1866, p. 27 (adv. pub.). Schultze, 1867, p. 139, Pl. 3, fig. 4. Bassler and Moodey, 1943, p. 692. Polyarnaya, 1986, p. 77. Webster, 1993, p. 113.

*Scytalocrinus tabulatus* var. *alta* (Müller, 1855). Wachsmuth and Springer, 1886, p. 171 (95). Bassler and Moodey, 1943, p. 692.

*Stylocrinus scaber* Sandberger and Sandberger, 1850-1856, p. 400, Pl. 35, fig. 12. Bassler and Moodey, 1943, p. 692 (*Platycrinites scaber* Goldfuss, ms). Moore and Lane in Moore and Teichert, 1978, p. T560, Fig. 353, no. 2. Polyarnaya, 1986, p. 77. Webster, 1986, p. 293. Webster, 1993, p. 113. Hauer, 2009, pl 25, Fig. 46.

Devonian, Eifelian - Givetian, *Stringocephalus* Limestone; Loogh Formation. Russia, eastern slope Urals, Salair; Germany

*Stylocrinus tabulatus depressa* (Mueller, 1855) = *Stylocrinus tabulatus depressus*

*Stylocrinus tabulatus depressus* (Müller in Zeiler and Wirtgen, 1855). Bassler and

- Moodey, 1943, p. 692 (part). Dubatolova, 1971, p. 21, Pls. 1, fig. 10-11; 2, figs. 1-2; Fig. 3. Webster, 1977, p. 162. Polyarnaya, 1986, p. 78, Unnum. Pl., fig. 2; Fig. 2. Webster, 1993, p. 113. Hauser, 2001, p. 28, 136, Pl. 25, fig. 4; Figs. 117-118. Hauser, 2008, p. 45, Pl. 1, fig. 5.
- Symbathocrinus tabulatus* (Goldfuss) var. *depressa* Müller, J. in Zeiler and Wirtgen, 1855a, p. 19, Pl. 6, fig. 4. Schultze, 1866, p. 27 (adv. pub.). Schultze, 1867, p. 140, Pl. 3, fig. 5. Bassler and Moodey, 1943, p. 692. Polyarnaya, 1986, p. 78. Webster, 1993, p. 113.
- Stylocrinus tabulatus* (Goldfuss) var. *depressa* (Müller, 1855). Wachsmuth and Springer, 1886, p. 171 (95) (part). Bassler and Moodey, 1943, p. 692. Polyarnaya, 1986, p. 78. Webster, 1993, p. 113.
- Stylocrinus tabulatus depressa* (Mueller, 1855). Hauser, 1997, p. 96, Pl. 71, figs. 2, 8.
- Devonian, Eifelian - Givetian, *Stringocephalus* Limestone; Lough Formation. Junkerberg Formation. Germany; Russia, eastern slope Urals, Salair Devonian, Givetian. Russia, eastern slope Urals

*Stylocrinus tabulatus* (Goldfuss) var. *depressa* (Müller, 1855) = *S. tabulatus depressus*

*Stylocrinus tabulatus tabulatus* (Goldfuss, 1839) = *Symbathocrinus tabulatus* = *Stylocrinus tabulatus*

**SUBARRECTOCRINUS** Knapp, 1969. \**Delocrinus? perexcavatus* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Catacrinidae

Knapp, 1969, p. 364, Fig. 3. Webster, 1977, p. 162. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T717. Webster, 1986, p. 294. Webster, 1993, p. 114. Pabian and Rushlau, 2002, p. 19. Note. Pabian and Rushlau make very interesting statements about this genus and the species assigned to it with which I agree.

Pennsylvanian, Virgilian - Permian, Wolfcampian. United States

Named, currently recognized species based on cups or crowns: 5 species. 2

Pennsylvanian, Virgilian; 1 Pennsylvanian – Permian, Virgilian – Wolfcampian; 2 Permian, Wolfcampian

Pennsylvanian, Virgilian - Permian, Wolfcampian. United States

*Subarrectocrinus admirensis* (Strimple, 1963). Knapp, 1969, p. 364. Webster, 1977, p. 162.

*Delocrinus admirensis* Strimple, 1963a, p. 69, Pl. 12, figs. 9-12; Fig. 29. Knapp, 1969, p. 364. Webster, 1973, p. 100. Pabian and Strimple, 1974a, p. 305, Pls. 39, figs. 4-5; 40, fig. 6. Webster, 1977, p. 162. Webster, 1986, p. 121. Pabian and Rushlau, 2002, p. 18, Fig. 3, nos. 5-9.

Permian, Wolfcampian, Falls City Limestone. United States, Kansas

*Subarrectocrinus densus* (Strimple, 1963). Knapp, 1969, p. 364. Webster, 1977, p. 162.

*Delocrinus densus* Strimple, 1963a, p. 70, Pl. 12, figs. 21-14. Knapp, 1969, p. 364. Webster, 1973, p. 100. Pabian and Strimple, 1974a, p. 304. Webster, 1977, p. 16. Webster, 1986, p. 121.

Permian, Wolfcampian, Five Point Limestone; Grenola Formation, upper shale of Neva Limestone. United States, Kansas, Oklahoma

*Subarrectocrinus inflexus* (Geinitz, 1867). Knapp, 1969, p. 364. Webster, 1977, p. 162.

*Cyathocrinus inflexus* Geinitz, 1867a, p. 62, Pl. 4, figs. 20-24 only. Miller, S. A., 1889, p. 236 Miller, S. A., 1892a, p. 676. Weller, S., 1898c, p. 172. Bassler and Moodey, 1943, p. 588. Webster, 1977, p. 93.

*Erisocrinus inflexus* (Geinitz, 1867). Miller, S. A., 1889, p. 243 Miller, S. A., 1892a, p. 678. Knapp, 1969, p. 363. Webster, 1977, p. 162.

*Erisocrinus (Ceriocrinus) inflexus* (Geinitz, 1867). White, C. A., 1880b, p. 128, Pl. 34, figs. 9a-9b. White, C. A., 1883a, p. 128, Pl. 34, figs. 9a-9b. Weller, S., 1898c, p. 172. Bassler and Moodey, 1943, p. 588.

*Ceriocrinus inflexus* (Geinitz, 1867). Weller, S., 1898c, p. 172. Grabau and Shimer, 1910, p. 513.

*Delocrinus inflexus* (Geinitz, 1867). Miller and Gurley, 1891, p. 335. Miller, S. A., 1892a, p. 677. Bassler and Moodey, 1943, p. 588. Pabian and Strimple, 1985, p. 37. Webster, 1988, p. 67. Pabian and Rushlau, 2002, p. 17.

*Subarrectocrinus inflexus* (Geinitz, 1865). Pabian and Rushlau, 2002, p. 19.

*Paradelocrinus inflexus* (Geinitz, 1867). Moore and Plummer, 1940, p. 152. Bassler and Moodey, 1943, p. 588.

*Graffhamicrinus inflexus* (Geinitz, 1867). Knapp, 1969, p. 363. Webster, 1977, p. 92.

Pennsylvanian, Virgilian, Langdon Shale or Dover Limestone. United States, Nebraska, Iowa, Utah

\**Subarrectocrinus perexcavatus* (Moore and Plummer, 1940). Knapp, 1969, p. 364, Fig. 18. Pabian and Strimple, 1974a, p. 305, Pl. 41, figs. 11-12. Moore, Strimple, and Lane in Moore and Teichert, 1978, p. T717, Fig. 470, no. 2. Webster, 1977, p. 163. Webster, 1986, p. 294.

*Delocrinus? perexcavatus* Moore and Plummer, 1940, p. 284, Pl. 4, fig. 6; Fig. 58. Bassler and Moodey, 1943, p. 411. Knapp, 1969, p. 364. Webster, 1977, p. 163.

Pennsylvanian - Permian, Virgilian - Wolfcampian, Gaptank Formation; Roca Shale Formation. United States, Texas, Kansas

*Subarrectocrinus vulgatus* (Moore and Plummer, 1940). Knapp, 1969, p. 364. Webster, 1977, p. 163. Pabian and Rushlau, 2002, p. 19.

*Delocrinus vulgatus* Moore and Plummer, 1940, p. 286, Pl. 18, fig. 1 only. Bassler and Moodey, 1943, p. 412. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 19. Knapp, 1969, p. 364. Webster, 1973, p. 102. Pabian and Strimple, 1974b, p. 14. Webster, 1977, p. 163. Pabian and Strimple, 1980b, p. 9, Pl. 2, figs. 7-9. Pabian and Strimple, 1985, p. 37, Figs. 3, 17, nos. a-j; 18, no. a. Webster, 1986, p. 122. Webster, 1988, p. 68. Pabian and Rushlau, 2002, p. 17, Figs. 2, nos. 1-11; 3, nos. 1-4.

Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member; Deer Creek Formation, Ervine Creek Limestone Member; Stotler Formation, Dover Limestone Member Harpersville Formation; Brownville Limestone; Oread Formation, Plattsmouth Limestone Member; Calhoun Shale. United States, Iowa, Texas, Oklahoma, Kansas

*Subarrectocrinus?* sp. indet. Hashimoto, 1984, p. 19, Pl. 8, figs. 4a-4c; Fig. 6, nos. 3a-3b. Webster, 1993, p. 114.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

Subclass Camerata; Order, Family, Genus and Species indeterminate Lane and Ausich, 1995, p. 1103, Fig. 5.6.

Silurian, Ludlovian, Wabash Formation, Mississinewa Shale Member. United States, Indiana

**SUBHEXACRINITES** Hauser, 2004 = **MEGARADIALOCRINUS**

*Subhexacrinites gerolsteiniensis* (Hauser, 1997) = *Megaradialocrinus brevis*

*Subhexacrinites rommersheimensis* Hauser, 2004c, p. 19, Pl. 1, figs. 2a-2b; figs. 13-16. Hauser, 2008, p. 33, Pl. 3, fig. 2; Figs. 74-75.

**Note:** *Subhexacrinites* was considered a junior synonym of *Megaradialocrinus* but S.

*rommersheimensis* was not listed as a recognized species of *Megaradialocrinus*, GDW, 2010.

Devonian, Eifelian, Freilingen Formation, probably Bohnert Member; Abach Formation. Germany

**SUBLOBALOCRINUS** Knapp, 1969. \**Paradelocrinus iolaensis* Strimple, 1949.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Paradelocrinidae

Knapp, 1969, p. 365, Fig. 3. Webster, 1977, p. 163. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T710. Pabian and Strimple, 1985, p. 44. Webster, 1986, p. 294. Webster, 1988, p. 154. Pabian and Strimple, 1993, p. 20. Pabian and Rushlau, 2002, p. 19. Webster and Maples, 2006, p. 193, Fig. 4, no. D.

Named, currently recognized species based on cups or crowns: 3 Pennsylvanian species, 2 Missourian, 1 Missourian – Virgilian

Pennsylvanian, Missourian - Virgilian. United States

\**Sublobalocrinus iolaensis* (Strimple, 1949). Knapp, 1969, p. 365. Webster, 1977, p. 163. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T711, Fig. 466, no. 1. Webster, 1986, p. 294. Pabian and Rushlau, 2002, p. 19. Kendrick, 2007, p. 346, Fig. 9, no. D.

*Paradelocrinus iolaensis* Strimple, 1949b, p. 124, Pl. 4, figs. 5-7; Fig. 1, no. a. Knapp, 1969, p. 365. Webster, 1973, p. 192. Webster, 1977, p. 163.

Pennsylvanian, Missourian, Raytown Limestone; Iola Limestone. United States, Kansas

*Sublobalocrinus kaseri* Pabian and Strimple, 1980b, p. 11, Pl. 3, figs. 6-10. Pabian and Strimple, 1985, p. 44, Fig. 27, nos. h-j. Webster, 1986, p. 294. Webster, 1988, p. 154. Pabian and Strimple, 1993, p. 20, Fig. 8, nos. h-j. Pabian and Rushlau, 2002, p. 19, Figs. 3, nos. 10-12; 4, nos. 1-11.

Pennsylvanian, Missourian - Virgilian, Kanwaka Formation, Stull Shale Member; South Bend Limestone. United States, Iowa, Nebraska

*Sublobalocrinus planus* (White, 1879). Knapp, 1969, p. 365. Webster, 1977, p. 163.

*Erisocrinus planus* White, C. A., 1879 (adv. pub.). White, C. A., 1880a, p. 257, Figs. 6-7. White, C. A., 1880b, p. 127, Pl. 35, figs. 5a-5c (final rpt. 1883). Miller, S. A., 1889, p. 243. Weller, S., 1898c, p. 172. Bassler, 1938, p. 64. Bassler and Moodey, 1943, p. 588. Pabian and Rushlau, 2002, p. 19.

*Paradelocrinus planus* (White, 1879). Moore and Plummer, 1940, p. 152 (incorrectly listed as *Delocrinus planus* on p. 255). Bassler and Moodey, 1943, p. 588. Moore and Laudon, 1944, p. 173, Pl. 65, fig. 24. Knapp, 1969, p. 365. Strimple and Watkins, 1969, p. 181. Webster, 1973, p. 192. Webster, 1977, p. 163.

*Ceriocrinus planus* (White, 1879). Wachsmuth and Springer, 1886, p. 254 (178). Weller, S., 1898c, p. 172. Bassler and Moodey, 1943, p. 588.

*Erisocrinus (Ceriocrinus) planus* White, 1879. Smith 1897, p. 26. Weller, S., 1898c, p. 172.

*Cricocrinus planus* (White, 1879). Strimple and Watkins, 1969, p. 181. Webster, 1977, p. 163.

*Erisocrinus whitei* Wachsmuth and Springer, 1886, p. 255. Miller, S. A., 1889, p. 243. Bassler and Moodey, 1943, p. 588.

*Erisocrinus cognatus* Wachsmuth and Springer, 1886, p. 255. Miller, S. A., 1889, p. 243. Bassler and Moodey, 1943, p. 588.

Pennsylvanian, Missourian. United States, Kansas

**SUERACROCRINUS** Hlebszvitsch, 2004b. \**Sueracrocrinus torresverdini* Hlebszvitsch, 2004b.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinotoidea, F. Acrocrinidae

Hlebszvitsch, 2004b, p. 386.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Westphalian species,

Pennsylvanian, Westphalian. Argentina

\**Sueracrocrinus torresverdini* Hlebszvitsch, 2004b, p. 386, Fig. 2, nos. F-J.

Pennsylvanian, Westphalian, Las Salinas Formation. Argentina

**SUNDACRINUS** Wanner, 1916. \**S. granulatus* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F. Sundacrinidae

Wanner, 1916, p. 219. Wanner, 1924, p. 179. Wanner, 1937, p. 153. Bassler, 1938, p. 178. Bassler and Moodey, 1943, p. 692. Moore and Laudon, 1943b, p. 64,

Fig.

8. Branson, C. C., 1948, p. 214. Cuénot, 1948, p. 64. Arendt and Hecker, 1964,

p. 92. Webster, 1973, p. 247. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678. Arendt, 1981, p. 9. Webster, 1986, p. 294. Webster, 1988, p. 154.

Webster and Maples, 2006, p. 193, Fig. 4, no. A.  
 Named, currently recognized species based on cups or crowns: 7 Permian species, 2 Artinskian, 1 late Artinskian or early Roadian, 4 series uncertain  
 Permian, series uncertain. West Timor  
 Permian, late Artinskian. Russia, Australia

*Sundacrinus elongatus* Wanner, 1937, p. 162, Pl. 10, figs. 23-24. Bassler and Moodey, 1943, p. 692. Branson, C. C., 1948, p. 214.  
 Permian, series uncertain. West Timor, Basleo

\**Sundacrinus granulatus* Wanner, 1916, p. 220, Pl. 106 (12), figs. 9-11; Figs. 58-61. Wanner, 1924, p. 193, Pls. 15, figs. 23-25; 16, figs. 1-5; Figs. 20-28. Diener, 1927, Pl. 2, fig. 5. Wanner, 1937, p. 154, Pl. 10, figs. 16, 17; Figs. 48-51. Bassler, 1938, p. 178. Bassler and Moodey, 1943, p. 693. Branson, C. C., 1948, p. 214. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 15; Fig. 133. Webster, 1973, p. 247. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 3. Arendt, 1981, p. 10, Fig. 1, nos. b-p. Webster, 1986, p. 294. Webster, 1988, p. 154.  
 Permian, series uncertain. West Timor, Basleo

*Sundacrinus medius* Webster and Jell, 1999b, p. 306, Fig. 13, nos. A-B.  
 Permian, latest Artinskian or earliest Roadian, Condamine Beds. Australia, Queensland

*Sundacrinus minutus* Arendt, 1981, p. 10, Pl. 1, figs. 1-2; Fig. 3, nos. a-m. Webster, 1988, p. 155.  
 Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

*Sundacrinus septentrionalis* Yakovlev, 1937a, p. 8, Pl. 1, fig. 6. Bassler and Moodey, 1943, p. 693. Branson, C. C., 1948, p. 214. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 62, Pl. 11, fig. 18. Arendt and Hecker, 1964, p. 92, Pl. 13, fig. 14. Webster, 1973, p. 247. Arendt, 1981, p. 13, Pl. 2, fig. 1; Fig. 2, nos. n-o. Webster, 1988, p. 155.  
 Permian, late Artinskian, Sarga Horizon. Russia, Ural Mountains

*Sundacrinus triangulus* Wanner, 1924, p. 200, Pl. 16, figs. 6-10; Fig. 29; Wanner, 1937, p. 156, Pl. 10, figs. 18-22; Figs. 52-55. Bassler and Moodey, 1943, p. 693. Branson, C. C., 1948, p. 214. Arendt, 1981, p. 10, Fig. 2, nos. a-e. Webster, 1988, p. 155.  
 Permian, series uncertain. West Timor, Basleo

*Sundacrinus vastus* Wanner, 1924, p. 202, Pl. 16, figs. 11-14; Fig. 30. Bassler and Moodey, 1943, p. 693. Branson, C. C., 1948, p. 214.  
 Permian, series uncertain. West Timor, Basleo



- SUNWAPTACRINUS** Laudon, Parks, and Spreng, 1952. \**S. brazeauensis*  
Laudon, Parks, and Spreng, 1952.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinitoidea, F.  
Sunwaptacrinidae  
Laudon, Parks, and Spreng, 1952, p. 569. Webster, 1973, p. 247. Ubaghs *in* Moore  
and Teichert, 1978, p. T472. Webster, 1986, p. 295. Webster and Lane, 1987, p.  
22. Webster, 1993, p. 114. Ausich and Kammer, 2010a, p. 45  
Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Tournaisian species  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). North America
- \**Sunwaptacrinus brazeauensis* Laudon, Parks, and Spreng, 1952, p. 570, Pls. 67,  
figs. 21-23; 69, figs. 20-21. Webster, 1973, p. 247. Ubaghs *in* Moore and  
Teichert, 1978, p. T472, Fig. 278, no. 1. Webster, 1986, p. 295. Ausich and  
Kammer, 2010a, p. 45.  
Mississippian, Tournaisian (Kinderhookian), Banff Formation. Canada, Alberta
- Sunwaptacrinus nevadensis* Webster and Lane, 1987 = *Displodocrinus nevadensis*
- Supposed crinoid head Douglas, 1969, p. 226, Fig. 1. Webster, 1977, p. 182.  
Mississippian. United States, Indiana
- Syciocrinus cucurbitaceus* (Angelin, 1878) = *Botryocrinus cucurbitaceus*
- SYCOCRINITES** Austin and Austin, 1842. \**S. anapeptamenus* Austin and Austin,  
1842.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Austin and Austin, 1842, p. 111. Austin and Austin, 1843, p. 206. Bronn, 1848, p.  
1210. Bassler, 1938, p. 178. Bassler and Moodey, 1943, p. 693. Arendt, 1970a,  
p. 126. Webster, 1973, p. 247. Webster, 1977, p. 163. Lane and Moore *in* Moore  
and Teichert, 1978, p. 601.  
**SYCOCRINUS** Zittel. 1880, p. 380. Bather *in* Lankester, 1900, p. 203. Bather,  
1914a, p. 245. Wanner, 1916, p. 96. Springer, 1920a, p. 454. Wanner, 1929,  
p. 39. Bassler and Moodey, 1943, p. 693. Moore and Laudon, 1943b, p. 50.  
Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 12, Fig. 6. Webster,  
1973, p. 247. Lane and Moore *in* Moore and Teichert, 1978, p. T601. Webster,  
1986, p. 295. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 114.  
Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species  
Mississippian, Viséan. United Kingdom
- \**Sycocrinites anapeptamenus* Austin and Austin, 1842, p. 111. Austin and Austin, 1843,  
p. 206. Bassler, 1938, p. 178. Bassler and Moodey, 1943, p. 693. Wright, J.,  
1952a, p. 133, Pl. 36, figs. 7-9. Arendt, 1970a, p. 126, Fig. 27. Arendt, 1971a, p.  
168, Fig. 1. Webster, 1973, p. 247. Webster, 1977, p. 163. Ubaghs *in* Moore and  
Teichert, 1978, p. T113, Fig. 86, no. 4. Lane and Moore *in* Moore and Teichert,  
1978, p. T601, Figs. 388, no. 3; 389, no. 1. Webster, 1986, p. 295.

*Sycocrinus anapeptamenus* (Austin and Austin, 1842). Bronn, 1848, p. 1210.  
 Bather, 1914a, p. 246, Pls. 4, figs. 1-2e. Wanner, 1920, p. 26, Fig. 15. Bassler,  
 1938, p. 178. Bassler and Moodey, 1943, p. 693.  
 Mississippian, Viséan, Mountain Limestone. United Kingdom

*Sycocrinites clausus* Austin and Austin, 1842 = *Abrachiocrinus clausus*

*Sycocrinites jacksoni* Austin and Austin, 1842 = *Sycocrinus jacksoni* = *Lageniocrinus jacksoni*

**SYCOCRINUS** of authors = **SYCOCRINITES**

*Sycocrinus anapeptamenus* Bather, 1914 = \**Sycocrinites anapeptamenus*

*Sycocrinus clausus* (Austin and Austin, 1843) = *Abrachiocrinus clausus*

*Sycocrinus jacksoni* (Austin and Austin, 1843) = *Lageniocrinus jacksoni*

*Sycocrinus piriformis* Rothpletz, 1920 = *Metasycocrinus piriformis*

**SYGCAULOCRINUS** Ulrich, 1925. \**S. typus* Ulrich, 1925.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Ulrich, E. O. *in* Foerste, 1925, p. 93. Bassler, 1938, p. 179. Bassler and Moodey,  
 1943, p. 693. Moore and Laudon, 1943b, p. 29. Moore and Laudon, 1944, p.  
 145,

Pl. 52, fig. 7. Ubaghs, 1953, p. 746. Moore, 1962b, p. 12, Fig. 3, no. 7. Webster,  
 1973, p. 247. Warn and Strimple, 1977, p. 97. Moore and Lane *in* Moore and  
 Teichert, 1978, p. T523. Frest, Strimple, and McGinnis, 1979, p. 405, Fig. 2, no.  
 E. Webster, 1986, p. 295. Ausich, 1988, p. 909, Fig. 1, no. 13. Clement, 1988, p.  
 113. Webster, 1993, p. 114. Brower, 1997, p. 445.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
 species

Ordovician, Katian (late Cincinnati). United States, Iowa

\**Sygcaulocrinus typus* Ulrich *in* Foerste, 1925, p. 93, Fig. 10B. Bassler, 1938, p. 179.  
 Bassler and Moodey, 1943, p. 693. Moore and Laudon, 1944, p. 145, Pl. 52, fig.  
 7. Strimple, 1975a, p. 116, Fig. 1, nos. a-h. Webster, 1973, p. 247. Warn and  
 Strimple, 1977, p. 100, Pl. 17, fig. 24. Moore and Lane *in* Moore and Teichert,  
 1978, p. T523, no. 2. Webster, 1986, p. 295. Brower, 1997, p. 446, Figs. 5-7,  
 11.

*Ectenocrinus elongatus* Thomas and Ladd, 1926, p. 12, Pls. 2, figs. 3-8; 5, figs. 3-4.  
 Bassler and Moodey, 1943, p. 442. Warn and Strimple, 1977, p. 100. Webster,  
 1986, p. 295. Brower, 1997, p. 446.

Ordovician, Katian (late Cincinnati), Maquoketa Formation, Elgin, Wykoff,  
 and Ft. Atkinson Limestone Member. United States, Iowa

*Symbathcrinites conicus* Bronn, 1848 = \**Haplocrinites mespiliformis*

*SYMBATHOCRINUS* Authors = **SYNBATHOCRINUS**

*Symbathocrinus campanulatus* Wanner, 1916 = *Taidocrinus campanulatus* =  
*Synbathocrinus campanulatus*

*Symbathocrinus campanulatus* var. *elongata* Wanner, 1916 = *Taidocrinus campanulatus elongatus* = *Synbathocrinus campanulatus elongatus*

*Symbathocrinus campanulatus* var. *inflata* Wanner, 1916 = *Taidocrinus campanulatus inflata* = *Synbathocrinus campanulatus inflata*

*Symbathocrinus celechovicensis* Remes, 1929 = *Synbathocrinus celechovicensis* =  
*Storthingocrinus fritillus*

*Symbathocrinus conicus* (Phillips, 1836) = *Synbathocrinus conicus*

*Symbathocrinus constrictus* Wanner, 1916 = *Taidocrinus constrictus* = *Synbathocrinus constrictus*

*Symbathocrinus constrictus* var. *sinuosa* Wanner, 1924 = *Taidocrinus constrictus sinuosus* = *Synbathocrinus constrictus sinuosus*

*Symbathocrinus dentatus* (Owen and Shumard, 1852) = *Synbathocrinus dentatus*

*Symbathocrinus granulatus* Wood, 1909 = *Synbathocrinus swallowi*

*Symbathocrinus granulatus* (Troost, 1849) = *Synbathocrinus granulatus* =  
*Synbathocrinus swallowi*

*Symbathocrinus robustus* Wilson, 1948 = *Synbathocrinus robustus* = *Synbathocrinus swallowi*

*Symbathocrinus sinuosus* Wanner, 1916 = *Symbathocrinus constrictus* var. *sinuosa* =  
*Taidocrinus constrictus sinuosus* = *Synbathocrinus constrictus sinuosus*

*Symbathocrinus subtrigonalis* Goldring, 1923 = *Synbathocrinus hamiltonensis*

*Symbathocrinus sulcatus* Goldring, 1923 = *Synbathocrinus sulcatus*

*Symbathocrinus swallowi* Hall, 1858, Wachsmuth and Springer, 1897 = *Synbathocrinus blairi*

*Symbathocrinus tabulatus* (Goldfuss, 1839) = *Stylocrinus tabulatus*

*Symbathocrinus tabulatus* Schultze, 1866 = *Eohalysiocrinus fritschi*

*Symbathocrinus tabulatus* (Goldfuss) var. *alta* Müller, 1855 = *Scytalocrinus tabulatus* var. *alta* = *Stylocrinus tabulatus altus*

*Symbathocrinus tabulatus* (Goldfuss) var. *depressus* Müller, 1855 = *Stylocrinus tabulatus depressus*

*Symbathocrinus tennesseeensis* Wood, 1909 = *Pisocrinus tennesseeensis* = *Parapisocrinus tennesseeensis*

*Symbathocrinus troosti* Wood, 1909 = *Synbathocrinus troosti* = *Synbathocrinus swallowi*

*Symbathocrinus wortheni* (Hall, 1858) = *Synbathocrinus wortheni*

*Symbathocrinus* n. sp. Remes, 1907 = *Synbathocrinus* n. sp.

**SYNAPTOCRINUS** Springer, 1920. \**Forbesiocrinus nuntius* Hall, 1862.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Ichthyocrinoidea, F.

Ichthyocrinidae

Springer, 1920a, p. 261. Goldring, 1923, p. 307. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 693. Moore and Laudon, 1943b, p. 76, Fig. 11. Moore and Laudon, 1944, p. 183, Pl. 66, fig. 10. Ubaghs, 1953, p. 756. Brower, 1973, p. 464, Fig. 45. Webster, 1973, p. 247. Webster, 1977, p. 163. Moore *in* Moore and Teichert, 1978, p. T794, Figs. 506, no. 11c; 508, no. 2b. Webster, 1986, p. 295.

Named, currently recognized species based on cups or crowns: 2 Devonian species, 1 Givetian, 1 Late Devonian, series undesignated

Middle - Late Devonian. North America

\**Synaptocrinus nuntius* (Hall, 1862). Springer, 1920a, p. 302, Pl. 38, figs. 3-6.

Goldring, 1923, p. 307, Pl. 38, figs. 3-7. Bassler and Moodey, 1943, p. 694.

Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 5. Moore and Laudon, 1944, p. 183, Pl. 68, fig. 7. Webster, 1973, p. 247. Moore *in* Moore and Teichert, 1978, p.

T794, Figs. 530, no. 1; 532, no. 2. Webster, 1986, p. 296.

*Forbesiocrinus nuntius* Hall, 1862a, p. 96. Hall, 1863b, p. 124. Hall, 1872c, Pl. 1A, fig. 12. Miller, S. A., 1889, p. 246. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 694.

*Taxocrinus nuntius* (Hall, 1862). Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286.

Devonian, Givetian, Wanakah Formation; Moscow Shale. United States, New York

*Synaptocrinus? rotundatus* Goldring, 1938, p. 12, Pl. 1, fig. 9. Bassler and Moodey, 1943, p. 694.

Late Devonian, coral biozone. Canada, Northwest Territories

**SYNARMOCRINUS** Lane, 1964. \**S. brachiatus* Lane, 1964.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.

Cromyocrinidae

Lane, N. G., 1964b, p. 678. Strimple, 1966a, p. 8. Strimple and Watkins, 1969, p. 161. Strimple and Moore, 1971a, p. 24. Webster, 1973, p. 247. Webster, 1977, p. 163. Moore and Strimple *in* Moore and Teichert, 1978, p. T700. Webster, 1981, p. 1195, Fig. 1. Webster, 1986, p. 295. Webster, 1988, p. 155. Pabian and Rushlau, 2002, p. 24.

Named, currently recognized species based on cups or crowns: 8 Pennsylvanian species, 2 Morrowan, 2 Atokan, 1 Atokan – Desmoinesian, 2 Desmoinesian, 1 Missourian

Pennsylvanian, Morrowan - Missourian. United States

*Synarmocrinus adornatus* Strimple and Watkins, 1969, p. 164, Pl. 37, figs. 1-3. Webster, 1977, p. 164.

Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

\**Synarmocrinus brachiatus* Lane, N. G., 1964b, p. 678, Pl. 112, figs. 14-15. Webster, 1973, p. 247. Moore and Strimple *in* Moore and Teichert, 1978, p. T700, Fig. 449, nos. 1a-1b. Webster, 1986, p. 295.

Pennsylvanian, Atokan, Bird Spring Formation. United States, Nevada

*Synarmocrinus carrizoensis* Webster and Lane, 1970, p. 29, Pl. 56, figs. 19-20. Webster, 1977, p. 164.

Pennsylvanian, Desmoinesian, Naco Formation. United States, Arizona

*Synarmocrinus cobbani* Itano and Bateman, 2001, p. 73, Figs. 3.1-3.5.

*Synarmocrinus molasensis* (Strimple and Miller, 1971). Webster and Houck, 1998, p. 1063, Fig. 4.14 only. Itano and Bateman, 2001, p. 73.

Pennsylvanian, Desmoinesian, Minturn Formation. United States, Colorado

*Synarmocrinus depressus* Washburn, 1968, p. 123, Pl. 2, figs. 7-9. Webster, 1973, p. 247.

Pennsylvanian, Morrowan, Oquirrh Formation, Bridal Veil Falls Member. United States, Utah

*Synarmocrinus fundundus* Strimple, 1966 = *Metacromyocrinus fundundus*

*Synarmocrinus iatani* (Strimple, 1949). Webster, 1981, p. 1199. Webster and Houck, 1998, p. 1063, Fig. 4.14 only. Itano and Bateman, 2001, p. 73.

*Ethelocrinus iatani* Strimple, 1949d, p. 25, Pl. 4, figs. 9-11. Webster, 1973, p. 196.

*Aglaocrinus iatani* (Strimple, 1949). Strimple, 1961g, p. 86. Webster, 1973, p. 196.

*Parethelocrinus iatani* (Strimple, 1949). Webster, 1973, p. 196.

Pennsylvanian, Missourian, Sarpy Formation, Westerville Limestone Member,. United States, Nebraska

*Synarmocrinus molasensis* (Strimple and Miller, 1971). Webster, 1981, p. 1198.

Webster, 1988, p. 155. Webster and Houck, 1998, p. 1063, Figs. 4.14-4.20, 5.11-

5.12. Itano and Bateman, 2001, p. 73, Fig. 3.6.

*Paracromyocrinus molasensis* Strimple and Miller, 1971, p. 36, Fig. 17, nos. 1-2.

Webster, 1977, p. 122. Webster, 1981, p. 1198. Webster, 1988, p. 155.

Pennsylvanian, Atokan-Desmoinesian boundary, Pinkerton Trail Limestone;  
Desmoinesian, Minturn Formation. United States, Colorado

*Synarmocrinus molasensis* (Strimple and Miller, 1971). Webster and Houck, 1998 (part)  
= *Synarmocrinus cobbani*

*Synarmocrinus oklahomensis* (Moore and Plummer, 1938) = *Aglaocrinus oklahomensis*

*Synarmocrinus papulosus* (Moore and Plummer, 1938). Webster, 1981, p. 1198.

Webster, 1988, p. 155.

*Ethelocrinus papulosus* Moore and Plummer, 1938, p. 259, Pl. 15, figs. 5a-5f: Fig.

15. Bassler and Moodey, 1943, p. 461. Moore and Strimple, 1973, p. 55.

Webster, 1977, p. 111. Webster, 1981, p. 1198. Webster, 1988, p. 155.

*Metacromyocrinus papulosus* (Moore and Plummer, 1938). Moore and Strimple,

1973, p. 55, Pl. 10, figs. 1a-1d. Webster, 1977, p. 111. Pabian and Strimple,

1978a, p. 46, Fig. 1, no. A. Webster, 1986, p. 205.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

**SYNBATHOCRINITES** Austin and Austin, 1842 = **SYNBATHOCRINUS**

*Synbathocrinites granulatus* Troost, 1850 (*non* Austin and Austin, 1842) =  
*Synbathocrinus granulatus* = *Synbathocrinus swallowi*

*Synbathocrinites tennesseae* Troost, 1850 (part) = *Pisocrinus tennesseensis* =  
*Parapisocrinus tennesseensis*

**SYNBATHOCRINUS** Phillips, 1836. \**S. conicus* Phillips, 1836.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Synbathocrinidae

Phillips, 1836, p. 206. Austin and Austin, 1847, p. 93. Bronn, 1848, p. 1211.

Shumard, 1868, p. 397. Bigsby, 1868, p. 23. Meek and Worthen, 1869b, p.

434. Miller, S. A., 1889, p. 284. Springer *in* Zittel, 1913, p. 209. Bassler, 1915,

p. 1248. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 694. Moore and

Laudon, 1943b, p. 31, Figs. 1, 3. Moore and Laudon, 1944, p. 151, Pl. 52, fig.

10.

Moore, 1950, Fig. 1, nos. a-b. Ubaghs, 1953, p. 746. Moore, 1962b, p. 16, Fig.

11, no. 3. Philip, 1963, p. 266, Fig. 4, no. d. Van Sant *in* Van Sant and Lane,

1964, p. 70, Fig. 26, no. 2. Strimple, Allison, and Kline, 1971, p. 10. Webster,

1973, p. 248. Webster, 1977, p. 164. Moore and Lane *in* Moore and Teichert,

1978, p. T559. Ausich, Kammer, and Lane, 1979, p. 1189, Fig. 7, no. A.

Kammer, Ausich, and Lane, 1983, p. 47, Fig. 8, no. a. Burdick and Strimple,

1983a, p. 42. Kammer, 1984, p. 121. Smith, A. B., 1985, p. 170. Webster, 1986,

p. 296. Webster and Lane, 1987, p. 43. Webster, 1987, p. 112. Sevastopulo and

Lane, 1988, p. 247. Ausich, 1988, p. 913, Fig. 2, no. 6. Webster, 1988, p. 155.

Donovan, 1989f, p. 249, Fig. 11.4, no. C. Lane and Sevastopulo, 1990, p. 334.

Donovan, 1992c, p. 34. Chen and Yao, 1993, p. 54, Fig. 29. Webster, 1993, 50a,

- p. 420. Donovan and Lewis, 2003, p. 2. Webster, Waters, and Chen, 2009, p. 149.
- DONACICRINITES* Troost, 1850a, 62. Troost, 1850b, p. 420. \**D. simplex* Troost, 1850. Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Wood, E., 1909, p. 28. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 694. Moore and Lane *in* Moore and Teichert, 1978, p. T559.
- DONACICRINUS* Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 694. Moore and Lane *in* Moore and Teichert, 1978, p. T559.
- SYMBATHOCRINUS* Bronn, 1848, p. 1210. d'Orbigny, 1849-51, p. 145. d'Orbigny, 1850, p. 157. Müller, J., 1857, p. 257. Pictet, 1857, p. 333. Dujardin and Hupé, 1862, p. 156. Zittel, 1880, p. 343, 349. Wachsmuth and Springer, 1886, p. 166 (90). Bather, 1893a, p. 21. Zittel, 1895, p. 125. Koken, 1896, p. 279. Bather *in* Lankester, 1900, p. 152. Wachsmuth *in* Zittel, 1900, p. 136. Jaekel, 1902, p. 1102, Fig. 28, no. K. Grabau and Shimer, 1910, p. 500. Wanner, 1916, p. 15. Diener, 1927, p. 13. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 694. Moore and Lane *in* Moore and Teichert, 1978, p. T559.
- SYNBATHOCRINITES* Austin and Austin, 1842, p. 108. Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 1248. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 694. Moore and Lane *in* Moore and Teichert, 1978, p. T559.
- TAIDOCRINUS* Tolmachev, 1924, p. 289. \**T. poljenowi* Tolmachev, 1924. Tolmachev, 1931, p. 597. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 694. Moore and Laudon, 1943b, p. 31. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252. Moore and Lane *in* Moore and Teichert, 1978, p. T560. Webster, 1986, p. 298. Webster, 1987, p. 112. Webster, 1993, p. 114.
- Named, currently recognized species based on cups or crowns: 29 species, 3 subspecies. 7 Devonian, 2 Emsian, 5 Givetian; 16 Mississippian, 7 Tournaisian, 1 Tournaisian – Viséan, 8 Viséan; 4 Pennsylvanian, 1 Bashkirian, 2 Atokan, 1 Missourian, 1 Moscovian; 3 Permian, 1 late Sakmaarian – early Artinskian (Western Australia), 1 Early Permian series uncertain (+3 subspecies) West Timor
- Devonian, Emsian - Givetian; Mississippian, Tournaisian – Serpukhovian (Kinderhookian – Chesterian); Pennsylvanian, Atokan, Missourian. United States Mississippian, Tournaisian. United Kingdom; Ireland, China
- Mississippian, Tournaisian; Permian, late Sakmarian - early Artinskian.
- Australia, New South Wales, Western Australia
- Permian, series uncertain. West Timor
- Mississippian, Tournaisian. Russia
- Synbathocrinus alaskaensis* Strimple, Allison, and Kline, 1971, p. 11, Fig. 4, nos. 1-7, 10. Webster, 1977, p. 164.
- Pennsylvanian, Atokan. United States, Alaska
- Synbathocrinus anglicus* Wright, J., 1946b, p. 124, Pls. 7, fig. 10; 8, fig. 1. Moore, 1948, p. 390, Fig. 11. Wright, 1952a, p. 136, Pl. 36, figs. 18-19. Kesling and Smith, 1963, p. 190. Webster, 1973, p. 248. Moore and Lane *in* Moore and

Teichert, 1978, p. T559, Fig. 352, no. 1b. Webster, 1986, p. 296. Donovan, 1992c, p. 34, Fig. 3, no. G.  
Mississippian, Viséan. United Kingdom, Scotland

*Synbathocrinus angularis* Miller and Gurley, 1894 = *Synbathocrinus swallowi*

*Synbathocrinus antiquus* Strimple, 1952 = *Abyssocrinus antiquus*

*Synbathocrinus? antiquus* Strimple, 1952 = *Abyssocrinus antiquus*

*Synbathocrinus blairi* Miller, S. A., 1891b, p. 32, Pl. 4, figs. 13-15. Miller, S. A., 1892a, p. 682. Miller, S. A., 1897, p. 753, Fig. 1398. Weller, S., 1898c, p. 617. Bassler and Moodey, 1943, p. 694. Kesling and Smith, 1963, p. 190. Ausich, Kammer, and Meyer, 1997, p. 146, Figs. 5.22-5.25.  
*Synbathocrinus blari* Miller, 1891. Webster, 1973, p. 248 (sic).  
*Synbathocrinus swallowi* Hall, 1858, Wachsmuth and Springer, 1897, Pl. 8, fig. 7 (sic). Ausich, Kammer, and Meyer, 1997, p. 146.  
Mississippian, Viséan (Meramecian), upper part of Warsaw Formation; Keokuk Limestone; Fort Payne Formation; Edwardsville Formation, Harrodsburg Limestone; Somerset Shale Member of Salem Limestone. United States, Missouri, Kentucky, Iowa, Indiana, Illinois

*Synbathocrinus blari* Miller, 1891 = *Synbathocrinus blairi*

*Synbathocrinus brevis* Meek and Worthen, 1869a, p. 68. Meek and Worthen, 1873, p. 439, Pl. 2, fig. 6. Miller, S. A., 1889, p. 284. Weller, S., 1898c, p. 617. Bassler and Moodey, 1943, p. 694. Kesling and Smith, 1963, p. 190. Webster, 1973, p. 248.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Synbathocrinus campanulatus* (Wanner, 1916). Bassler and Moodey, 1943, p. 694. Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 249. Webster, 1987, p. 114, Figs. 9, nos. A-L; 10, nos. A-D. Webster, 1993, p. 114.

*Synbathocrinus campanulatus* Wanner, 1916, p. 16, Pl. 96 (1), figs. 5-6; Figs. 3-4. Wanner, 1924, p. 310, Pl. 20, figs. 23-25. Diener, 1927, p. 13, Pl. 2, figs. 9-10. Bassler and Moodey, 1943, p. 694. Teichert and Webster, 1993, p. 4, Pl. 65, figs. 7-10.

*Taidocrinus campanulatus* (Wanner, 1916). Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252.  
Early Permian, late Sakmarian, Callytharra Formation. Australia, Western Australia Permian, series uncertain. West Timor, Basleo

*Synbathocrinus campanulatus elongata* (Wanner, 1916) = *Synbathocrinus campanulatus elongatus*



- Synbathocrinus campanulatus elongatus* (Wanner, 1916). Bassler and Moodey, 1943, p. 694. Moore and Ewers, 1942, p. 105. Webster, 1973, p. 252.  
*Synbathocrinus campanulatus* var. *elongata* Wanner, 1916, p. 20, Pl. 96 (1), fig. 8; 1924, p. 311, Pl. 20, figs. 6-8. Bassler and Moodey, 1943, p. 694.  
*Synbathocrinus campanulatus elongata* (Wanner, 1916). Branson, C. C., 1948, p. 215.  
*Taidocrinus campanulatus elongatus* (Wanner, 1916). Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252.  
 Permian, series uncertain. West Timor, Basleo
- Synbathocrinus campanulatus inflata* (Wanner, 1916) = *Synbathocrinus campanulatus inflata*
- Synbathocrinus campanulatus inflatus* (Wanner, 1916). Bassler and Moodey, 1943, p. 694. Moore and Ewers, 1942, p. 105. Webster, 1973, p. 252.  
*Synbathocrinus campanulatus* var. *inflata* Wanner, 1916, p. 19, Pl. 96 (1), fig. 7. Bassler and Moodey, 1943, p. 694.  
*Synbathocrinus campanulatus inflata* (Wanner, 1916). Branson, C. C., 1948, p. 215.  
*Taidocrinus campanulatus inflatus* (Wanner, 1916). Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252.  
*Taidocrinus inflatus* (Wanner, 1916). Moore and Lane *in* Moore and Teichert, 1978, p. T560, Fig. 353, no. 5. Webster, 1986, p. 298.  
 Permian, series uncertain. West Timor, Noil Tonini
- Synbathocrinus canandaigus* (Goldring, 1923). Koenig, J. W., 1965, p. 401, Figs. 1, no. A; 2, nos. a-j. Webster, 1973, p. 248.  
*Stylocrinus? canandaigua* Goldring, 1923, p. 331, Pl. 40, fig. 19. Bassler and Moodey, 1943, p. 692. Koenig, J. W., 1965, p. 401. Webster, 1973, p. 248. Le Menn, 1992, p. 110, Fig. 4, nos. A-F.  
 Devonian, Givetian, Moscow Shale; Windom Shale. United States, New York
- Synbathocrinus celechovicensis* (Remes, 1929) = *Storthingocrinus fritillus*
- \**Synbathocrinus conicus* Phillips, 1836, p. 206, Pl. 4, figs. 12-13. Austin and Austin, 1847, p. 93, Pl. 11, fig. 5. Bronn, 1848, p. 1211. Roemer, C. F., 1876, Pl. 40, figs. 9a-9b. Frech, 1902, Pl. 40, figs. 9a-9b. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 695. Wright, J., 1946b, p. 124, Pl. 7, figs. 2-7. Moore, 1948, p. 390, Fig. 11. Wright, J., 1952a, p. 134, Pl. 36, figs. 10, 21-22. Kesling and Smith, 1963, p. 191. Strimple, Allison, and Kline, 1971, p. 10. Webster, 1973, p. 248. Webster, 1977, p. 164. Moore and Lane *in* Moore and Teichert, 1978, p. T559, Fig. 352, no. 1a. Webster, 1986, p. 296. Donovan, 1989e, p. 249, Fig. 11.4, no. C. Donovan, 1991a, p. 2, Figs. 1-3. Donovan, 1991b, p. 249, Fig. 11.4, no. C. Webster, 1993, p. 114. Donovan, 1996a, p. 197, Fig. 2, no. f. Donovan and Lewis, 2003, p. 2, Pl. 3, figs. 1, 6.

*Symbathocrinus conicus* (Phillips, 1836). d'Orbigny, 1850, p. 157. Dujardin and Hupé, 1862, p. 156.  
Mississippian, Tournaisian, Mountain Limestone, Salthall Cap Beds. United Kingdom; Ireland

*Synbathocrinus conicus* (Phillips); Austin and Austin, 1847 (part) = *Graphiocrinus encrinoides*

*Synbathocrinus constrictus* (Wanner, 1916). Bassler and Moodey, 1943, p. 695. Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252. Webster, 1987, p. 115, Figs. 9, nos. M-W; 11, nos. A-F. Webster and Jell, 1992, p. 333, Figs. 9; 10, nos. A-H. Teichert and Webster, 1993, p. 4, Pl. 65, figs. 11-13. Webster, 1993, p. 114.

*Symbathocrinus constrictus* Wanner, 1916, p. 21, Pl. 96 (1), figs. 9-13. Wanner, 1924, p. 313, Pl. 20, figs. 17-22. Wanner, 1937, p. 204, Pl. 13, figs. 30-32. Bassler and Moodey, 1943, p. 695.

*Taidocrinus constrictus* (Wanner, 1916). Moore and Ewers, 1942, p. 105. Branson, 1948, p. 215. Webster, 1973, p. 252.

Early Permian, late Sakmarian or early Artinskian, Callytharra Formation.

Australia, Western Australia

Permian, series uncertain. West Timor, Basleo

*Synbathocrinus constrictus sinuosa* (Wanner, 1924) = *Synbathocrinus constrictus sinuosus*

*Synbathocrinus constrictus sinuosus* (Wanner, 1916). Bassler and Moodey, 1943, p. 695. Moore and Ewers, 1942, p. 105. Webster, 1973, p. 252.

*Symbathocrinus sinuosus* Wanner, 1916, p. 22, Pl. 96 (1), fig. 14. Bassler and Moodey, 1943, p. 695. Branson, C. C., 1948, p. 215.

*Symbathocrinus constrictus* var. *sinuosa* Wanner, 1924, p. 314, Pl. 20, figs. 15-16. Bassler and Moodey, 1943, p. 695.

*Synbathocrinus constrictus sinuosa* (Wanner, 1924). Branson, C. C., 1948, p. 215.

*Taidocrinus constrictus sinuosus* (Wanner, 1916). Moore and Ewers, 1942, p. 105. Branson, C. C., 1948, p. 215. Webster, 1973, p. 252.

Permian, series uncertain. West Timor, Basleo

*Synbathocrinus cretensis* Webster, 2012c, p. 104, Fig. 2, nos. A-D, given as nos. 1-4 p. 104.

Early Permian, Galinos Beds. Greece, Crete

*Synbathocrinus dastanpouri* Webster et al., 2011, p. 38, Fig. 8, nos. a-m.

*Synbathocrinus* sp. A Webster et al., 2001, p. 111, Pl. 3, figs. F-H. Webster et al., 2011, p. 38.

Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran

*Synbathocrinus dentatus* Owen and Shumard, 1852a, p. 93, Pl. 11, fig. 7. Owen and Shumard, 1852b, p. 597, Pl. 5B, figs. 7a-b. Miller, S. A., 1889, p. 284. Keyes, 1894a, p. 206, Pl. 25, fig. 14. Weller, S., 1898c, p. 61. Weller, S., 1909a, p. 278,

- Pl. 11, fig. 20. Springer, 1923a, p. 19, Pl. 5, figs. 9-10. Bassler and Moodey, 1943, p. 695. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 9. Moore and Laudon, 1944, p. 151, Pl. 55, fig. 16. Ubaghs, 1953, p. 746, Fig. 18, no. e. Kesling and Smith, 1963, p. 191. Webster, 1973, p. 248. Kammer, 1985b, p. 558, Fig. 2, no. 3. Smith, A. B., 1985, p. 170, Pl. 7.4.19. Kammer and Ausich, 1987, p. 384, Fig. 3, nos. E-F. Webster, 1988, p. 155. Webster, 1993, p. 115. Ausich, and Kammer, 2005, p. 352. Miller et al., 2008, p. 262, Fig. 12.10, no. 23.
- Synbathocrinus dentatus* (Owen and Shumard, 1852). Grabau and Shimer, 1910, p. 500.  
Mississippian, Tournaisian - Viséan (Osagean), upper part of Burlington Limestone; Fern Glen Limestone; Weaubleau Breccia. United States, Iowa, Missouri
- Synbathocrinus discoides* Chen and Yao, 1993, p. 56, Pl. 12, figs. 5-7; Fig. 30, nos. a-c. Webster, Waters, and Chen, 2009, p. , 151, Fig. 9, nos. dd-gg.  
Mississippian, Tournaisian, Wangjiadashan Formation, Yudong Formation. China, Yunnan Province
- Synbathocrinus expansus* Goldring, 1935c, p. 836, Pl. 58, fig. 8. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 191. Strimple, 1970, p. 254. Webster, 1973, p. 248. Webster, 1977, p. 164.  
Devonian, Givetian, Tully Limestone, West Brook Member. United States, New York
- Synbathocrinus granulatus* (Troost, 1850) = *Synbathocrinus swallowi*
- Synbathocrinus granuliferus* Wetherby, 1880 = *Synbathocrinus swallowi*
- Synbathocrinus hamiltonensis* Springer, 1923a, p. 29, Pl. 5, figs. 13-14. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 192. Webster, 1973, p. 248.
- Synbathocrinus subtrigonalis* Goldring, 1923, p. 328, Pl. 40, figs. 16-17. Bassler and Moodey, 1943, p. 695.  
Devonian, Givetian, Moscow Shale. United States, New York
- Synbathocrinus illinoisensis* Miller and Gurley, 1896a, p. 53, Pl. 3, figs. 29-31. Miller, S. A., 1889, p. 753. Weller, S., 1898c, p. 617. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 192. Webster, 1973, p. 249.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Illinois
- Synbathocrinus labrus* Webster et al., 2009b, p. 245, Fig. 2, nos. J-N/  
Pennsylvanian, Moscovian, uppermost part of the Qijiagou Formation or lowermost part of the Aoertu Formation. China, Xinjiang
- Synbathocrinus matutinus* Hall, 1858c, p. 483, Pl. 1, fig. 2. Shumard, 1868, p. 397. Miller, S. A., 1889, p. 284. Goldring, 1923, p. 329, Pl. 40, fig. 18. Thomas, A. O., 1924, p. 475, Pl. 44, fig. 9. Bassler and Moodey, 1943, p. 695. Moore and

- Laudon, 1944, p. 151, Pl. 56, fig. 22. Kesling and Smith, 1963, p. 192, Pl. 1, figs. 22-23. Strimple, 1970, p. 254. Webster, 1973, p. 249. Webster, 1977, p. 164.  
Devonian, Givetian, Cedar Valley Limestone; Thunder Bay Limestone; United States, Iowa, Michigan
- Synbathocrinus melba* Strimple, 1938, p. 10, Pl. 1, figs. 12-13. Bassler and Moodey, 1943, p. 696. Strimple and Strimple, 1968, p. 172, Fig. 1. Webster, 1977, p. 164.  
Pennsylvanian, Missourian, Lansing Group, Stanton Formation. United States, Oklahoma
- Synbathocrinus* cf. *S. melba* Strimple, 1938. Strimple, 1975e, p. 3, Fig. 1, nos. 1-2. Burdick and Strimple, 1983a, p. 44, Pl. 10, figs. 13, 21, 23-24. Webster, 1986, p. 296. Webster, 1988, p. 155.  
Pennsylvanian, Atokan, Burgner Formation. United States, Missouri
- Synbathocrinus michiganensis* Kesling and Smith, 1963, p. 189, Pl. 1, figs. 1-16, 20-21 (*non* figs. 1-21 as given on p. 189). Strimple, 1970, p. 254. Webster, 1973, p. 249. Webster, 1977, p. 164.  
Devonian, Givetian, Dock Street Clay, Thunder Bay Limestone. United States, Michigan
- Synbathocrinus* sp. cf. *S. michiganensis* Kesling and Smith, 1963, p. 192, Pl. 1, figs. 17-19. Webster, 1973, p. 249.  
Devonian, Givetian, Thunder Bay Limestone. United States, Michigan
- Synbathocrinus ogivalis* de Koninck, 1877-1878, p. 158, Pl. 6, fig. 1. de Koninck, 1898, p. 121, Pl. 6, figs. 1-1b. Bassler and Moodey, 1943, p. 696. Webster and Jell, 1999a, p. 262, Fig. 15, nos. A-C.  
*Synbathocrinus* sp. Campbell and Bein, 1971, p. 424, Pl. 49, figs. 16-21. Webster, 1977, p. 164. Webster and Jell, 1999a, p. 262.  
Mississippian, late Tournaisian, Goonoo Goonoo Mudstone, Namoi Formation. Australia, New South Wales
- Synbathocrinus onondaga* Springer, 1923a, p. 29, Pl. 5, figs. 15-16. Bassler and Moodey, 1943, p. 696. Kesling and Smith, 1963, p. 193. Koenig, J. W., 1965, p. 402, Fig. 2, no. B. Webster, 1973, p. 249.  
Devonian, Emsian, Onondaga Group, Jeffersonville Limestone. United States, Kentucky
- Synbathocrinus oweni* Hall, 1860a, p. 111. Shumard, 1868, p. 397. Miller, S. A., 1889, p. 285. Bassler and Moodey, 1943, p. 696. Weller, S., 1898c, p. 617. Kesling and Smith, 1963, p. 193. Webster, 1973, p. 249.  
Mississippian, Tournaisian (Kinderhookian), Rockford Limestone. United States, Indiana

*Synbathocrinus papillatus* Hall, 1861b, p. 18. Shumard, 1868, p. 397. Miller, S. A., 1889, p. 285. Weller, S., 1898c, p. 618. Bassler and Moodey, 1943, p. 696. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Synbathocrinus poljenowi* (Tolmatchoff, 1924). Bassler and Moodey, 1943, p. 696. *Taidocrinus poljenowi* Tolmatchoff, 1924, p. 290, Pl. 21, figs. 1-3. Tolmatchoff, 1931, p. 593. Bassler and Moodey, 1943, p. 696. Mississippian, Tournaisian. Russia, Kuznetz Basin

*Synbathocrinus robustus* Shumard, 1866 = *Synbathocrinus swallowi*

*Synbathocrinus sulcatus* (Goldring, 1923). Bassler and Moodey, 1943, p. 696. Moore and Laudon, 1944, p. 151, Pl. 56, fig. 17. Kesling and Smith, 1963, p. 194. Webster, 1973, p. 249.

*Synbathocrinus sulcatus* Goldring, 1923, p. 329, Pl. 40, fig. 15. Bassler and Moodey, 1943, p. 696. Devonian, Emsian, Onondaga Limestone. United States, New York

*Synbathocrinus robustus* Shumard; Chen and Yao, 1993 = *Synbathocrinus yaoi*

*Synbathocrinus swallowi* Hall, 1858c, p. 672, Pl. 17, figs. 8-9. Miller, S. A., 1889, p. 285. Weller, S., 1898c, p. 618. Beede, 1906, p. 1262, Pls. 13, fig. 11; 14, fig. 1. Bassler and Moodey, 1943, p. 696. Kesling and Smith, 1963, p. 194. Van Sant in Van Sant and Lane, 1964, p. 71, Pl. 1, fig. 6; Figs. 23, no. 4; 26, no. 1. Webster, 1973, p. 249. Feldman, 1989b, p. 908, Fig. 4, no. 13. Webster, 1993, p. 115. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21. Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 5. Kammer and Ausich, 2006, p. 240, Fig. 2, no. B. Ausich, 2009a, p. 487. Meyer and Ausich, 2009, p. 7, Fig. 5, no. B.

*Synbathocrinus angularis* Miller and Gurley in Miller, S. A., 1889, p. 753. Miller and Gurley, 1894b, p. 42, Pl. 4, figs. 3-4. Weller, S., 1898c, p. 617. Bassler and Moodey, 1943, p. 694. Kesling and Smith, 1963, p. 190. Webster, 1973, p. 248. Kammer, 1984, p. 122, Fig. 2, nos. R-T. Webster, 1988, p. 155. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21.

*Synbathocrinus granuliferus* Wetherby, 1880a, p. 250, Pl. 16, figs. 3-3a. Miller, S. A., 1889, p. 284, Fig. 438. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 192. Webster, 1973, p. 248. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21.

*Synbathocrinus robustus* Shumard, 1866, p. 397. Shumard, 1868, p. 397. Worthen and Meek, 1875, p. 514, Pl. 29, fig. 4. Miller, S. A., 1889, p. 285. Weller, S., 1898c, p. 618. Wood, E., 1909, p. 28, Pl. 4, fig. 11. Springer, 1923a, p. 19, Pl. 5, figs. 11-12. Bassler and Moodey, 1943, p. 696. Moore and Laudon, 1943b, p. 130, Pl. 1, fig. 10. Moore and Laudon, 1944, p. 151, Pls. 55, fig. 11; 56, fig. 23. Kesling and Smith, 1963, p. 194. Webster, 1973, p. 249. Moore and Lane in Moore and Teichert, 1978, p. T559, Fig. 352, nos. 1c-1d. Kammer, 1984, p. 121, Fig. 2, nos. U-W. Webster, 1986, p. 296. Webster, 1988, p. 156. Chen and Yao, 1993, p. 55, Pl. 11, figs. 5-9. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21.

- Synbathocrinus robustus* (Shumard, 1866). Grabau and Shimer, 1910, p. 500, Fig. 1811. Wilson, C. W., 1948, p. 166, Pl. 29, figs. 4-5. Webster, 1977, p. 164. Wolf, 1979, p. 151, Fig. 2, no. a. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21.
- Synbathocrinus granulatus* (Troost, 1850). Shumard, 1868, p. 397. Bassler, 1915, p. 1248. Bassler and Moodey, 1943, p. 695. Kesling and Smith, 1963, p. 191. Webster, 1973, p. 248. Ausich, Kammer, and Meyer, 1997, p. 142.
- Synbathocrinites granulatus* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler, 1915, p. 1248. Bassler and Moodey, 1943, p. 695. Ausich, Kammer, and Meyer, 1997, p. 142.
- Synbathocrinus granulatus* (Troost, 1850). Wood, E., 1909, p. 27, Pl. 9, figs. 4, 7-8. Bassler, 1915, p. 1249. Bassler and Moodey, 1943, p. 695. Ausich, Kammer, and Meyer, 1997, p. 142.
- Donacricrinites simplex* Troost, 1850a, p. 62, 1850b, p. 420. Shumard, 1868, p. 367. Miller, S. A., 1889, p. 240. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 696. Ausich, Kammer, and Meyer, 1997, p. 142, Figs. 5.1-5.21.
- Synbathocrinus troosti* (Wood, 1909). Bassler, 1915, p. 1249. Bassler and Moodey, 1943, p. 696. Kesling and Smith, 1963, p. 195. Webster, 1973, p. 249. Ausich, Kammer, and Meyer, 1997, p. 142.
- Synbathocrinus troosti* Wood, E., 1909, p. 27, Pl. 9, fig. 9. Bassler, 1915, p. 1249. Bassler and Moodey, 1943, p. 696. Ausich, Kammer, and Meyer, 1997, p. 142.
- Synbathocrinus tennesseae* (Troost, 1850) (part). Bassler and Moodey, 1943, p. 696.
- Synbathocrinites tennesseae* (Troost, 1850). Bassler and Moodey, 1943, p. 696.
- Synbathocrinus* sp. Meyer, Ausich, and Terry, 1990, p. 545, Fig. 2, nos. B, K. Webster, 1993, p. 115. Ausich, Kammer, and Meyer, 1997, p. 142.
- Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale Member; Keokuk Limestone; Fort Payne Formation, Edwardsville Formation; lower part of Warsaw Formation. United States, Kentucky, Indiana, Illinois, Iowa, Missouri, Tennessee
- Synbathocrinus* cf. *S. swallowi* Hall, 1858. Burdick and Strimple, 1983a, p. 43, Pl. 10, figs. 10, 19-20, 26. Webster, 1988, p. 156.
- Mississippian, Serpukhovian (Chesterian), Pride Mountain Formation. United States, Alabama
- Synbathocrinus tennesseae* Troost, 1850 (part) = *Parapisocrinus tennesseensis*
- Synbathocrinus tennesseae* Troost, 1850 (part) = *Synbathocrinus troosti* = *Synbathocrinus swallowi*
- Synbathocrinus tennesseae* Troost, 1850 = *Parapisocrinus tennesseensis*
- Synbathocrinus tennesseensis* Roemer, 1860 = *Pisocrinus tennesseensis* = *P. (Parapisocrinus) tennesseensis* = *Parapisocrinus tennesseensis*
- Synbathocrinus tennesse-ensis* Roemer, 1860 = *Parapisocrinus tennesseensis*

- Synbathocrinus texasensis* Moore and Ewers, 1942, p. 94, Figs. 1-28. Sieverts-Doreck, 1960, p. 241, Pl. 1, fig. 2. Webster, 1973, p. 249. Ubaghs *in* Moore and Teichert, 1978, p. T164, Fig. 135, no. 1. Moore and Lane *in* Moore and Teichert, 1978, p. T559, Fig. 352, nos. 1e-1p. Webster, 1986, p. 296.
- Synbathocrinus texsensis* Moore and Ewers, 1942. Kesling and Smith, 1963, p. 194 (sic).  
Mississippian, Tournaisian, Wangjiadashan Formation. China, Yunnan Province
- Synbathocrinus texsensis* Moore and Ewers, 1942 = *Synbathocrinus texasensis*
- Synbathocrinus texasensis* Moore and Ewers; Chen and Yao, 1993 = *Synbathocrinus yaoi*
- Synbathocrinus West Timorensis* (Wanner, 1920) = *Neolageneocrinus West Timorensis*
- Synbathocrinus troosti* (Wood, 1909) = *Synbathocrinus swallowi*
- Synbathocrinus truncus* Gupta and Webster, 1980 = *Ramacrinus truncus*
- Synbathocrinus wachsmuthi* Meek and Worthen, 1866 = *Catillocrinus wachsmuthi*
- Synbathocrinus wachsmuthi* Meek and Worthen, 1869a (*non* Meek and Worthen, 1866), p. 67. Meek and Worthen, 1873, p. 437, Pl. 2, fig. 5. Miller, S. A., 1889, p. 285. Miller, S. A., 1892a, p. 682. Wachsmuth and Springer, 1897, Pls. 3, fig. 25; 8, figs. 8-9. Miller, S. A., 1897, p. 753. Weller, S., 1898c, p. 618. Springer, 1923a, p. 19, Pl. 5, figs. 1-7. Bassler and Moodey, 1943, p. 696. Moore and Laudon, 1944, p. 151, Pl. 55, fig. 10. Kesling and Smith, 1963, p. 195. Webster, 1973, p. 249.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Synbathocrinus (Nematocrinus) wachsmuthi* Meek and Worthen, 1866 = *Catillocrinus wachsmuthi*
- Synbathocrinus wortheni* Hall, 1858c, p. 560, Pl. 9, fig. 9. Shumard, 1868, p. 397. Roemer, C. F., 1876, Pl. 40, fig. 10. Wachsmuth and Springer, 1885, Pl. 4, figs. 9-11. Miller, S. A., 1889, p. 285. Weller, S., 1898c, p. 618. Frech, 1902, Pl. 40, fig. 10. Springer, 1923a, p. 19, Pl. 5, fig. 8. Bassler and Moodey, 1943, p. 697. Kesling and Smith, 1963, p. 195. Webster, 1973, p. 249.
- Synbathocrinus wortheni* (Hall, 1858). Neumayr, 1889, p. 451, Fig. 130. Keyes, 1894a, p. 206, Pl. 25, fig. 15. Weller, S., 1898c, p. 618. Bassler and Moodey, 1943, p. 697.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa
- Synbathocrinus yaoi* Webster, Waters, and Chen, 2009, p. 150, Fig. 9, nos. j-m.

*Synbathocrinus robustus* Shumard; Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 150.

*Synbathocrinus texasensis* Moore and Ewers; Chen and Yao, 1993. , p, 12, figs. 1-4.

Webster, Waters, and Chen, 2009, p. 150.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan

*Synbathocrinus* n. sp.

*Symbathocrinus* n. sp. Remes, 1907, p. 95.  
Devonian. Czech Republic

*Synbathocrinus* sp. 1 Webster and Lane, 1987, p. 43, Fig. 6, nos. 5-8. Webster, 1993, p. 115.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Synbathocrinus* sp. 2 Webster and Lane, 1987, p. 44, Fig. 6, nos. 1-4. Webster, 1993, p. 115.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Synbathocrinus* sp. Campbell and Bein, 1971 = *Synbathocrinus ogivalis*

*Synbathocrinus* sp. Meyer, Ausich, and Terry, 1989 = *Synbathocrinus swallowi*

*Synbathocrinus* spp.

Termier, G. and Termier, H., 1950, p. 87, Pl. 218, fig. 39. Webster, 1973, p. 249.  
Mississippian, late Viséan. Algeria

Priest, 1973, p. 76, Fig. 21. Webster, 1977, p. 164.

Mississippian, Viséan (Osagean). United States, Indiana

McLead, 1973, p. 244, Pls. 1, fig. 8; 2, fig. 7. Webster, 1977, p. 164.

Mississippian, Viséan, Meramecian, Warsaw Limestone. United States, Missouri  
Lane and Dubar, 1983, p. 120, Fig. 3, no. F. Webster, 1988, p. 156.

Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky

Kammer, 1985c, p. 22, Fig. I. Webster, 1988, p. 156.

Mississippian, Viséan (Osagean), Borden Formation. United States

Meyer, Ausich, and Terry, 1989, p. 545, Fig. 2, no. K. Webster, 1993, p. 115.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

Meyer and Ausich, 1992, p. 5, Fig. 5, no. B.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

Meyer and Ausich, 1992, p. 5, Fig. 5, no. K.

Mississippian, Viséan (Osagean), Fort Payne Formation. United States, Kentucky

Webster et al., 2001, p. 111, Pl. 2, figs. F-H.

Pennsylvanian, Bashkirian, Sardar Formation. Eastern Iran

Kammer and Gahn, 2003a, p. 131, Figs. 4.8-4.9.

Mississippian, Osagean, lower part of Burlington Limestone. United States, Iowa



Webster et al., 2004, p. 39, Pl. 9, figs. 11-14.

Mississippian, Serpukhovian, E1, El Guelmouna Formation, Aïn Mezerelt Member. Algeria

Webster et al., 2009a, p. 47, Fig. 2, nos. H-I.

Pennsylvanian, Moscovian, Qijiagou Formation. China, Xinjiang

Greb et al., 2008, p. 18, Fig. 11, no. a; unnumbered.

Mississippian, late Osagean, Fort Payne Formation. United States, Kentucky

*Synbatocrinus* sp. Howell, 1995, p. 106, Pl. 5, fig. 5.

No age or locality given

*Synbatocrinus* sp. Howell, 1995 = *Synbathocrinus* sp.

*Syncheiocrinus anglicus* Jaekel, 1918 = *Synchirocrinus nitidus*

**SYNCHIROCRINUS** Jaekel, 1918. \**Calceocrinus nitidus* Bather, 1893.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Jaekel, 1918, p. 86. Abel, 1924, p. 280. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 27, Figs. 3, no. 3; 5, no. 7 (*non* Fig. 5, no. 4 as given on p. 27). Strimple, 1963d, p. 51, Fig. 13 (part). Kesling and Sigler, 1969, p. 347, Figs. 6-10, Tab. 1. Prokop, 1970a, p. 86, Fig. 5. Webster, 1973, p. 249. Webster, 1977, p. 164. Moore and Lane *in* Moore and Teichert, 1978, p. T532, Figs. 324, no. 4; 331, no. 1. Ausich, 1984a, p. 1176. Smith, A. B., 1985, p. 169. Webster, 1986, p. 296. Ausich, 1988, p. 913, Fig. 3, nos. 6-7. Webster, 1988, p. 156. Webster, 1993, p. 115. Harvey and Ausich, 1997, p. 301, Figs. 3.3, 3.5, 3.11; 7 left. Ausich, 1998b, p. 27. Donovan et al., 2009, p. 39.

**CHEIROCRINUS** Salter, 1873, p. 118. \**C. serialis* Salter, 1973. Moore, 1962a, p. 26. Webster, 1973, p. 249.

**PENDULOCRINUS** (Austin, ms.) Salter *in* Murchison, 1859, p. 535. Bassler, 1938, p. 147. Bassler and Moodey, 1943, p. 345. Moore and Lane *in* Moore and Teichert, 1978, p. T532.

Named, currently recognized species based on cups or crowns: 20 species. 16 Silurian, 6 Niagaran, 6 Wenlockian, 3 Ludlovian, 1 ?Pridoli; 4 Devonian, 3 Emsian, 1 Givetian

Silurian, Niagaran - Devonian, Emsian - Givetian. North America

Silurian, Wenlockian - Early Devonian. Europe

*Synchirocrinus anglicus* Jaekel, 1918 = *Synchirocrinus nitidus*

*Synchirocrinus barrisi* (Worthen, 1875). Moore, 1962a, p. 27. Webster, 1973, p. 250.

*Calceocrinus barrisi* Worthen, 1875, p. 510, Unnum. Fig. Miller, S. A., 1889, p. 230. Bassler and Moodey, 1943, p. 499. Moore, 1962a, p. 27. Webster, 1973, p. 250.

*Deltacrinus barrisi* (Worthen, 1875). Miller, S. A., 1889, p. 238, Fig. 280. Thomas, A. O., 1924, p. 476, Pl. 44, figs. 20-21. Bassler and Moodey, 1943, p. 499.

*Halysiocrinus barrisi* (Worthen, 1875). Laudon, 1936, p. 65, fig. 13. Bassler and Moodey, 1943, p. 499.

Devonian, Givetian, Cedar Valley Formation, Davenport Beds and Littleton Member; Alpena Limestone. United States, Iowa, Michigan

*Synchirocrinus bassleri* (Springer, 1926). Moore, 1962a, p. 27. Webster, 1973, p. 250.

Brett, 1984, p. 110, Fig. 14, no. A. Webster, 1988, p. 156.

*Calceocrinus bassleri* Springer, 1926a, p. 117, Pls. 28, fig. 21; 29, figs. 12-14.

Bassler and Moodey, 1943, p. 345. Moore and Laudon, 1943b, p. 130, Pl. 1, fig.

Moore and Laudon, 1944, p. 145, Pl. 55, fig. 15. Moore, 1962a, p. 27. Webster, 1973, p. 250.

Silurian, Niagaran, Brownsport Formation, Beech River Formation. United States, Tennessee

*Synchirocrinus bifurcatus* (Springer, 1926). Moore, 1962a, p. 27. Webster, 1973, p.

250. Moore and Lane *in* Moore and Teichert, 1978, p. T533, Fig. 330, nos. 2d-

2f. Webster, 1986, p. 296. Hauser, 2008g, p. 4, Fig. 6.

*Calceocrinus bifurcatus* Springer, 1926a, p. 117, Pl. 29, figs. 15-15b. Bassler and

Moodey, 1943, p. 345. Moore, 1962a, p. 27, Pl. 2, fig. 7. Webster, 1973, p. 250.

Silurian, Niagaran, Beech River Formation. United States, Tennessee

*Synchirocrinus bouskai* Prokop, 1970a, p. 91, Pls. 4, figs. 3-6; 5; 6; Fig. 7, no. A.

Webster, 1977, p. 165.

Silurian, early Ludlovian, Kopanina Formation. Czech Republic, Bohemia

*Synchirocrinus centervillensis* = \**Stibarocrinus centervillensis*

*Synchirocrinus depressus* Prokop, 1970a, p. 90, Pls. 3, figs. 3-7; 4, figs. 1-2. Webster,

1977, p. 165.

Silurian, early Ludlovian, Kopanina Formation. Czech Republic, Bohemia

*Synchirocrinus divisus* Strimple, 1963d, p. 54, Pl. 2, figs. 1-4; Fig. 16, no. d. Webster,

1973, p. 250.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Synchirocrinus foerstei* (Springer, 1926). Moore, 1962a, p. 27, Pl. 3, fig. 8; Fig. 15.

Webster, 1973, p. 250. Moore and Lane *in* Moore and Teichert, 1978, p. T533,

Fig. 330, nos. 2b-2c. Webster, 1986, p. 297. Brower, 1990, p. 301, Fig. 7, nos.

19-20. Webster, 1993, p. 115.

*Calceocrinus foerstei* Springer, 1926a, p. 94, Pl. 29, figs. 7-11; Fig. 2, no. c.

Bassler and Moodey, 1943, p. 345. Moore, 1962a, p. 27. Webster, 1973, p.

250.

Silurian, Niagaran, *Eucalyptocrinus* Biozone of Beech River Formation. United States, Tennessee

*Synchirocrinus gradatus* (Salter, 1873). Moore, 1962a, p. 28, Pl. 3, fig. 3. Webster,

1973, p. 250. Donovan et al., 2009, p. 41, Pl. 6, fig. 2; Fig. 11B. Donovan et al.,

2010, p. 48, Pl. 7, fig. 2; Fig. 18, no. A

*Cheirocrinus gradatus* Salter, 1873, p. 118. Bassler and Moodey, 1943, p. 361 (*nomen nudum*). Ramsbottom, 1952, p. 42. Moore, 1962a, p. 28. Webster, 1973, p. 73, 250.

*Calceocrinus gradatus* (Salter, 1873). Ramsbottom, 1952, p. 42, Pl. 5, fig. 1; Fig. 2, no. B. Webster, 1973, p. 73.

Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom

*Synchirocrinus? halli* (Ringueberg, 1889) = \**Catatonocrinus halli*

*Synchirocrinus hanusi* Prokop, 1970a, p. 95, Pl. 7, figs. 4-6. Webster, 1977, p. 165. Devonian, Emsian (Zlichovian), Zlichov Limestone. Czech Republic, Bohemia

*Synchirocrinus cf. hanusi* Prokop, 1970. Prokop and Petr, 1995b, p. 75, Fig. 1. Devonian, Koneprusy Limestone. Czech Republic

*Synchirocrinus inclinus* (Ramsbottom, 1952). Moore, 1962a, p. 28. Webster, 1973, p. 250. Donovan et al., 2009, p. 42, Pl. 4, figs. 1-2; Fig. 11E Donovan et al., 2010, p. 48, Pl. 7, figs. 5-6; Fig. 18, no. B.

*Calceocrinus inclinus* Ramsbottom, 1952, p. 38, Pl. 4, figs. 4-7; Fig. 2, no. E. Moore, 1962a, p. 28. Webster, 1973, p. 250.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Synchirocrinus interpres* (Bather, 1893). Moore, 1962a, p. 27. Webster, 1973, p. 250.

*Calceocrinus interpres* Bather, 1893a, p. 94, Pl. 4, figs. 123-128. Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 27. Webster, 1973, p. 250.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Synchirocrinus keyserensis* (Springer, 1926). Moore, 1962a, p. 27. Webster, 1973, p. 250.

*Halysiocrinus keyserensis* Springer, 1926a, p. 121, Pl. 29, fig. 22. Bassler and Moodey, 1943, p. 500. Moore, 1962a, p. 27. Webster, 1973, p. 250.

Silurian, Pridoli?, Cayugan, Keyser Formation. United States, West Virginia

*Synchirocrinus marylandensis* (Springer, 1926). Moore, 1962a, p. 27. Webster, 1973, p. 250.

*Halysiocrinus marylandensis* Springer, 1926 (*non* Ohern, 1913). Moore, 1962a, p. 27. Webster, 1973, p. 250.

Devonian, Emsian, Oriskany Sandstone. United States, West Virginia

\**Synchirocrinus nitidus* (Bather, 1893). Moore, 1962a, p. 27, Pls. 2, fig. 4; 3, fig. 4; Fig. 2. Prokop, 1970a, p. 120, Fig. 18. Webster, 1973, p. 250. Webster, 1977, p. 165. Donovan et al., 2009, p. 40, Pl. 5, figs. 7-11; Fig. 11A, 15.

*Calceocrinus nitidus* Bather, 1893a, p. 91, Pl. 4, figs. 117-122. Springer, 1926a, p. 119, Pl. 29, fig. 20. Bassler and Moodey, 1943, p. 346. Ramsbottom, 1952, p. 41, Fig. 2, no. A. Moore, 1962a, p. 27. Webster, 1973, p. 250.

- Syncheirocrinus anglicus* Jaekel, 1918, p. 86, Figs. 81-83. Ehrenberg, 1929, p. 65, Fig. 40. Bassler and Moodey, 1943, p. 346. Moore, 1962a, p. 27. Webster, 1973, p. 250.
- Synchirocrinus anglicus* (Jaekel, 1918). Abel, 1920, p. 268, Fig. 416. Dacqué, 1921, p. 427, Fig. 194, no. B. Abel, 1924, p. 281, Fig. 416. Hauser, 1999, p. 21, Fig. 8. Hauser, 2002, p. 58, Fig. 47.  
Silurian, Wenlockian. Sweden, Isle of Gotland; United Kingdom
- Synchirocrinus plasi* Prokop, 1970a, p. 87, Pls. 2, figs. 2-8; 3, figs. 1-2; Figs. 5-6. Webster, 1977, p. 165. Prokop and Petr, 1990, p. 40. Webster, 1993, p. 115.  
Silurian, early Ludlovian, Kopanina Formation. Czech Republic, Bohemia
- Synchirocrinus pragensis* Prokop, 1970a, p. 93, Pl. 7, figs. 1-3. Webster, 1977, p. 165.  
Devonian, Emsian (Zlichovian), Zlichov Limestone. Czech Republic, Bohemia
- Synchirocrinus pugil* (Bather, 1893). Moore, 1962a, p. 27, Fig. 16. Webster, 1973, p. 250. Donovan et al., 2009, p. 42, Pls. 5, figs. 3, 12; 6, figs. 8, 12; Figs. 11C, 16-17.
- Calceocrinus pugil* Bather, 1893a, p. 82, Pl. 3, figs. 98-104. Springer, 1926a, p. 120, Pl. 29, fig. 21. Bassler and Moodey, 1943, p. 346. Ramsbottom, 1952, p. 38, Pl. 4, figs. 2-3; Fig. 2, no. C. Moore, 1962a, p. 27. Webster, 1973, p. 250.  
Silurian, Wenlockian, Slite Group. Sweden, Isle of Gotland  
Silurian, Wenlockian, Homerian, Much Wenlock Limestone Formation. United Kingdom
- Synchirocrinus quadratus* Strimple, 1963d, p. 57, Pl. 2, figs. 5-6; Figs. 15, nos. a-c. Webster, 1973, p. 250.  
Silurian, Niagaran Henryhouse Formation. United States, Oklahoma
- Synchirocrinus serialis* (Austin in Salter, 1859). Smith, A. B., 1985, p. 169, Pl. 7.4.14. Moore, 1962a, p. 28, Pl. 3, fig. 2. Webster, 1973, p. 251. Watkins and Hurst, 1977, p. 210, Figs. 1, no. D; 4. Webster, 1986, p. 297. Webster, 1988, p. 156. Donovan et al., 2007, p. 52, Fig. 3, no. Donovan et al., 2007, p. 52, Fig. 3, no. G. Donovan and Lewis, 2008b, p. 13, Fig. 4, nos. D-E. Donovan, et al., 2009, p.44, Pls. 3, figs. 7-11; 5, fig. 13; 6, figs. 1, 6-7, 9; Fig. 11I.
- Cheirocrinus serialis* Salter, 1873, p. 535. Bassler and Moodey, 1943, p. 361. Moore, 1962a, p. 28. Webster, 1973, p. 251.
- Cheirocrinus serialis* (Austin in Salter, 1859). Bigsby, 1868, p. 18. Salter, 1873, p. 118. Ramsbottom, 1952, p. 40. Webster, 1973, p. 74.
- Calceocrinus serialis* (Austin in Salter, 1859). Ramsbottom, 1952, p. 40, Pl. 5, figs. 2-7; Fig. 2, no. D. Webster, 1973, p. 74.  
Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom
- Synchirocrinus tenax* (Bather, 1893). Moore, 1962a, p. 27, Pl. 1, fig. 6. Webster, 1973, p. 251.
- Calceocrinus tenax* Bather, 1893a, p. 88, Pl. 3, figs. 109-115. Bassler and Moodey, 1943, p. 347. Moore, 1962a, p. 27. Webster, 1973, p. 251.

Silurian, Wenlockian. Sweden, Isle of Gotland

*Synchirocrinus tucanus* (Bather, 1893) = *Eohalysiocrinus tucanus* = *E. typus*

*Synchirocrinus? typus* (Ringueberg, 1889) = *Eohalysiocrinus? typus*

**SYNDETOCRINUS** Kirk, 1933. \**S. dartae* Kirk, 1933.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Crotalocrinitidae  
Kirk, 1933, p. 344. Bassler, 1938, p. 179. Bassler and Moodey, 1943, p. 697. Moore  
and Laudon, 1943b, p. 50. Bouska, 1946a, p. 8, Fig. 2. Bouska, 1946b, p. 14,  
Fig. 2. Bouska, 1950, p. 14, Fig. 2. Ubaghs, 1953, p. 750. Arendt and Hecker,  
1964, p. 84. Webster, 1973, p. 251. Lane and Moore *in* Moore and Teichert,  
1978, p. T594. Webster, 1986, p. 297. Ausich, 1988, p. 909, Fig. 1, no. 7.

Prokop

and Petr, 1989b, p. 47. Webster, 1993, p. 115.

Named, currently recognized species based on cups or crowns: 3 Silurian species, 1  
Wenlockian, 2 Ludlovian

Silurian, Wenlockian - Ludlovian. Europe, Russia, Canada

*Syndetocrinus bohemicus* Bouska, 1946 (part) = \**Syndetocrinus. dartae*

*Syndetocrinus bohemicus* Bouska, 1946 (part) = Crinoidearum ordo. fam., gen. et sp.  
ind.

\**Syndetocrinus dartae* Kirk, 1933, p. 347, Figs. 1-4. Bassler, 1938, p. 179. Northrop,  
1939, p. 158 (probably not *S. dartae*, GDW). Bassler and Moodey, 1943, p.  
697. Lane and Moore *in* Moore and Teichert, 1978, p. T594, Fig. 382, no. 1.  
Webster, 1986, p. 297. Prokop and Petr, 1989b, p. 47, Pls. 1, figs. 1-4; 2, figs. 1-  
4; Fig. 1. Prokop and Petr, 1990, p. 16, 17, 62. Webster, 1993, p. 115.

*Syndetocrinus bohemicus* Bouska, 1946a, p. 9, Pl. 2, figs. 1-9; Fig. 5 (only). Bouska,  
1946b, p. 15, Pl. 2, figs. 1-9; Fig. 5 (only). Bouska, 1950, p. 15, Pl. 2, figs. 1-11;  
Fig. 5. Arendt and Hecker, 1964, p. 84, Pl. 8, figs. 10-12. Webster, 1973, p. 251.  
Milicina, 1980, p. 205, Pl. 3, figs. 1-4. Webster, 1986, p. 297. Prokop and Petr,  
1989b, p. 48. Prokop and Petr, 1990, p. 16, 17. Webster, 1993, p. 115.

*Syndetocrinus depressus* Bouska, 1946a, p. 14, Pl. 2, figs. 12-13a. Bouska, 1946b,  
p. 18, Pl. 2, figs. 12-13a. Bouska, 1950, p. 18, Pl. 2, figs. 12-13a. Webster,  
1973,  
p. 251. Prokop and Petr, 1989b, p. 48. Prokop and Petr, 1990, p. 20, 21 (partial  
calyx and pluricolumnal). Webster, 1993, p. 115.

*Syndetocrinus northropi* Kirk, 1933, p. 351, Figs. 5-8. Northrup, 1939, p. 158.  
Bassler and Moodey, 1943, p. 697. Prokop and Petr, 1989b, p. 48. Webster,  
1993, p. 116.

Silurian, early Ludlovian, basal part of Kopanina Formation, Budhany Limestone;  
West Point Formation. Czech Republic, Bohemia; Canada, Quebec

*Syndetocrinus depressus* Bouska, 1946 = \**Syndetocrinus dartae*

*Syndetocrinus northropi* Kirk, 1933 = \**Syndetocrinus dartae*

*Syndetocrinus primus* Milicina, 1980, p. 207, Pl. 3, figs. 5-7. Webster, 1986, p. 297.  
 Prokop and Petr, 1989b, p. 47. Webster, 1993, p. 116.  
 Silurian, late Wenlockian, Elkin Horizon. Russia, central Ural Mountains

*Syndetocrinus uralicus* Yakovlev, 1949c, p. 18, Pl. 2, figs. 3-5. Webster, 1973, p. 251.  
 Silurian, Ludlovian. Russia, Ural Mountains

*Syndetocrinus* sp. Yakovlev, 1949c, p. 18, Pl. 2, fig. 6. Webster, 1973, p. 251.  
 Silurian, Ludlovian. Russia, Tian-Shan

**SYNEROCRINUS** Bather in Lankster, 1900 (*non* Jaekel, 1898) =  
**TALANTEROCRINUS = AEXITROPHOCRINUS**

**SYNEROCRINUS** Jaekel, 1898. \**Forbesiocrinus incurvus* Trautschold, 1867.  
 Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Synerocrinidae  
 Jaekel, 1898a, p. 47. Bassler, 1938, p. 180. Moore and Plummer, 1940, p. 90.  
 Bassler and Moodey, 1943, p. 697. Moore and Laudon, 1943b, p. 74, Fig. 10.  
 Moore and Laudon, 1944, p. 179, Pl. 67, fig. 3. Ubaghs, 1953, p. 755. Arendt  
 and  
 Hecker, 1964, p. 93. Strimple and Watkins, 1969, p. 223. Strimple and Moore,  
 1971a, p. 42. Webster, 1973, p. 251. Meyer and Lane, 1976, Fig. 1. Webster,  
 1977, p. 165. Moore *in* Moore and Teichert, 1978, p. T773, Figs. 506, no. 12c;  
 508, no. 4e; 510, no. 3b. Webster, 1986, p. 297. Lane and Sevastopulo, 1990, p.  
 334. Webster, 1993, p. 116.  
**FORBESIOCRINUS** Trautschold, 1867 (*non* de Koninck and Le Hon, 1854), p. 31.  
 Zittel, 1895, p. 138. Bassler, 1938, p. 100. Bassler and Moodey, 1943, p. 697.  
 Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
 Moscovian species  
 Pennsylvanian, Moscovian. Russia

*Synerocrinus farishi* Laudon, 1937 = *Talanterocrinus farishi* = *Aexitrophocrinus farishi*

*Synerocrinus formosus* Moore and Plummer, 1940 = *Aexitrophocrinus formosus*

\**Synerocrinus incurvus* (Trautschold, 1867). Jaekel, 1898a, p. 47. Springer, 1920a, p.  
 335, Pls. 42, figs. 1-2; 75, figs. 12-13 only. Yakovlev, 1939a, p. 67, Pl. 12, figs.  
 2-3. Bassler and Moodey, 1943, p. 697. Yakovlev and Ivanov, 1956, p. 36, Pl.  
 4, fig. 9; Figs. 9-12. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 45. Ivanova,  
 1958, p. 134, Pl. 11, fig. 3. Arendt and Hecker, 1964, p. 93, Pl. 14, fig. 3.  
 Strimple and Watkins, 1969, p. 223. Webster, 1973, p. 251. Webster, 1977, p.  
 165. Moore *in* Moore and Teichert, 1978, p. T774, Figs. 514, no. 4; 515, no. 1.  
 Webster, 1986, p. 297.

*Forbesiocrinus incurvus* Trautschold, 1867, p. 31, Pl. 4, figs. 4-5; Unnum. Fig.  
 Trautschold, 1879, p. 126, Pl. 14, fig. 11 only. Lahusen, 1895, p. 147, Fig. 197,  
 nos. a-c. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 697.

*Encrinites stoloniferus* Fischer de Waldheim, 1830, p. 151, Pl. 41, figs. 1-2.  
 Bassler and Moodey, 1943, p. 697.

*Encrinites moniliformis* Fischer de Waldheim, 1830, p. 151, Pl. 41, figs. 1-2 (given as *E. stoloniferus*). Bassler and Moodey, 1943, p. 697.  
Pennsylvanian, Moscovian. Russia, Moscow Basin, Donetz Basin

*Synerocrinus incurvus* Springer, 1920 (part) = *Talanterocrinus jaekeli* =  
*Aexitrophocrinus jaekeli*

*Synerocrinus incurvus* Wright, 1939 = *Talanterocrinus jaekeli* = *Aexitrophocrinus jaekeli*

*Synerocrinus? smithi* Wright, 1934 = *\*Ainacrinus smithi*

*Synerocrinus* sp.

Wright, J., 1920a, p. 387, Pl. 15, fig. 2.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland  
Aisenverg *et al.*, 1983, p. 34, Pl. 29, fig. 1. Webster, 1993, p. 116.  
Pennsylvanian, Serpukolvian. Russia, Donetz Basin

?*Synerocrinus* sp. indet. Bowsher and Strimple, 1986, p. 19, Fig. 70. Webster, 1993, p. 116.  
Pennsylvanian, Desmoinesian?, Gobbler Formation. United States, New Mexico

**SYNTOMOCRINUS** Wanner, 1916. *\*S. sundaicus* Wanner, 1916.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Mespilocrinidae

Wanner, 1916, p. 250. Wanner, 1924, p. 88. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 697. Moore and Laudon, 1943b, p. 76. Branson, C. C., 1948, p. 214. Ubaghs, 1953, p. 756. Arendt and Hecker, 1964, p. 94. Webster, 1973, p. 251. Moore *in* Moore and Teichert, 1978, p. T783, Fig. 506, no. 2e. Webster, 1986, p. 298.

Named, currently recognized species based on cups or crowns: 1 Permian species series uncertain  
Permian, series uncertain. West Timor

*\*Syntomocrinus sundaicus* Wanner, 1916, p. 257, Pl. 110 (15), figs. 4-8. Wanner, 1930, p. 15, Pls. 1, figs. 6-8; 16, figs. 4-6. Wanner, 1937, p. 94, Pl. 8, figs. 25-27; Figs. 15-19. Bassler, 1938, p. 180. Marez Oyens, 1940, p. 308, Pl. 2, fig. 7. Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214. Moore *in* Moore and Teichert, 1978, p. T783, Figs. 521, no. 2; 523, no. 3. Webster, 1986, p. 298.  
Permian, series uncertain. West Timor, Basleo, Snob Nenoe, Noil Fatoe, between Niki Niki and Noil Fatoe

**SYNYPHOCRINUS** Trautschold, 1867. *\*S. cornutus* Trautschold, 1867.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F.  
Anobasicrinidae

Trautschold, 1867, p. 1. Wanner, 1924, p. 180. Wanner, 1937, p. 169. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214. Arendt and Hecker, 1964, p. 88. Strimple and Moore, 1971a, p. 22. Webster,

1973, p. 251. Webster, 1977, p. 165. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680.

Named, currently recognized species based on cups or crowns: 6 species. 2 Pennsylvanian, Moscovian; 4 Permian, 1 Wolfcampian, 3 Permian series uncertain

Pennsylvanian, Moscovian. Russia

Permian, series uncertain. West Timor

Permian, middle Wolfcampian. United States

\**Synphocrinus cornutus* Trautschold, 1867, p. 7, Pl. 6, figs. 1-8. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 698. Yakovlev and Ivanov, 1956, p. 14, Pl. 2, figs. 1-4; Fig. 2. Arendt and Hecker, 1964, p. 88, Pl. 10, figs. 5-6. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680, Fig. 438, nos. 2a-2e. Webster, 1986, p. 298.

*Bursacrinus cornutus* (Trautschold, 1881). Wachsmuth and Springer, 1886, p. 253 (177). Bassler and Moodey, 1943, p. 698.

Pennsylvanian, Moscovian. Russia, Moscow Region

*Synphocrinus indicus* (Wanner, 1916). Wanner, 1924, p. 221. Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214.

*Graphiocrinus? indicus* Wannner, 1916, p. 175, Pl. 104 (9), Fig. 13; Fig. 51.

Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214.

Poteriocrinidae sp. ind. Wanner, 1916, p. 240, Pls. 14, fig. 10; 19, fig. 16.

Branson, C. C., 1948, p. 214.

Permian, series uncertain. West Timor, Basleo

*Synphocrinus magnus* Yakovlev and Ivanov, 1956, p. 14, Pl. 1, figs. 3-5. Ivanova, 1958, p. 132, Pl. 11, fig. 1. Arendt and Hecker, 1964, p. 88, Pl. 10, fig. 4. Webster, 1973, p. 251. Ubaghs *in* Moore and Teichert, 1978, p. T210, Fig. 178. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680, Fig. 438, nos. 2g-2h. Webster, 1986, p. 298.

Pennsylvanian, Moscovian. Russia, Moscow Basin

*Synphocrinus permicus* Lane and Webster, 1966, p. 27, Pl. 4, figs. 1-7; Fig. 8 (typographical error as *Synphocrius*, p. 27). Webster and Lane, 1967, p. 15, Pl. 2, figs. 13-14. Webster, 1973, p. 251.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Synphocrinus trautscholdi* Wanner, 1924, p. 217, Pls. 13, figs. 6-7, 12-13; 14, fig. 1; Fig. 33. Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680, Fig. 438, no. 2f. Webster, 1986, p. 298.

Permian, series uncertain. West Timor, Basleo

*Synphocrinus weidneri* Wanner, 1937, p. 169, Pl. 11, figs. 7-9; Fig. 61. Bassler and Moodey, 1943, p. 698. Branson, C. C., 1948, p. 214.



Permian, series uncertain. West Timor, Basleo

**TAGENOCRINUS** McIntosh, 1981. \**T. conradae* McIntosh, 1981.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Nipterocrinidae

McIntosh, 1981c, p. 1103. Webster, 1988, p. 156.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Givetian species

Devonian, Givetian. United States

\**Tagenocrinus conradae* McIntosh, 1981. McIntosh, 1981c, p. 1104, Figs. 2-3.  
Webster, 1988, p. 156.

Devonian, Givetian, Moscow Formation, Kashong Shale Member. United  
States, New York

**TAIDOCRINUS** Tolmatchoff, 1924 = **SYNBATHOCRINUS**

*Taidocrinus campanulatus* (Wanner, 1916) = *Synbathocrinus campanulatus*

*Taidocrinus campanulatus elongatus* (Wanner, 1916) = *Synbathocrinus campanulatus  
elongatus*

*Taidocrinus campanulatus inflatus* (Wanner, 1916) = *Synbathocrinus campanulatus  
inflatus*

**TAGENOCRINUS** McIntosh, 1981. \**T. conradae* McIntosh, 1981.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F.  
Nipterocrinidae

McIntosh, 1981c, p. 1103. Webster, 1988, p. 156.

Named, currently recognized species based on cups or crowns: 1 Devonian,  
Givetian species

Devonian, Givetian. United States

\**Tagenocrinus conradae* McIntosh, 1981. McIntosh, 1981c, p. 1104, Figs. 2-3.  
Webster, 1988, p. 156.

Devonian, Givetian, Moscow Formation, Kashong Shale Member. United  
States, New York

**TAIDOCRINUS** Tolmatchoff, 1924 = **SYNBATHOCRINUS**

*Taidocrinus campanulatus* (Wanner, 1916) = *Synbathocrinus campanulatus*

*Taidocrinus campanulatus elongatus* (Wanner, 1916) = *Synbathocrinus campanulatus  
elongatus*

*Taidocrinus campanulatus inflatus* (Wanner, 1916) = *Synbathocrinus campanulatus  
inflatus*

*Taidocrinus constrictus* (Wanner, 1916) = *Synbathocrinus constrictus*

*Taidocrinus constrictus sinuosa* (Wanner, 1924) = *Synbathocrinus constrictus sinuosus*

*Taidocrinus inflatus* (Wanner, 1916) = *Synbathocrinus campanulatus inflatus*

*Taidocrinus poljenowi* Tolmachev, 1924 = *Synbathocrinus poljenowi*

*Taidocrinus? West Timorensis* (Wanner, 1920) = *Neolageniocrinus West Timorensis*

**TALANTEROCRINUS** Moore and Plummer, 1940 = **AEXITROPHOCRINUS**

*Talanterocrinus farishi* (Laudon, 1937) = *Aexitrophocrinus farishi*

*Talanterocrinus jaekeli* (Moore and Plummer, 1939) = *Synerocrinus jaekeli* =  
*Aexitrophocrinus jaekeli*

*Talanterocrinus mcguirei* (Moore, 1939) = *Aexitrophocrinus mcguirei*

*Talanterocrinus redesdalensis* Wright, 1952 = *\*Enascocrinus redesdalensis*

*Talanterocrinus strimplei* Wright, 1946 = *Aexitrophocrinus strimplei*

*Talanterocrinus swaledalensis* Wright, 1954 = *Aexitrophocrinus swaledalensis*

**TALAROCRINUS** Wachsmuth and Springer, 1881. *\*Dichocrinus cornigerus*  
Shumard, 1857.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea,  
F. Dichocrinidae

Wachsmuth and Springer, 1881, p. 58 (232). Wachsmuth and Springer, 1888,  
p. 342. Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1897, p. 781.  
Bather *in* Lankester, 1900, p. 159. Wachsmuth *in* Zittel, 1900, p. 140. Grabau  
and Shimer, 1910, p. 522. Springer *in* Zittel, 1913, p. 201. Bassler, 1938, p. 180.  
Bassler and Moodey, 1943, p. 699. Moore and Laudon, 1943b, p. 96. Moore and  
Laudon, 1944, p. 199. Cuénot, 1948, p. 69. Ubaghs, 1953, p. 741. Spreng and  
Parks, 1953, p. 591, Fig. 1, no. d. Arendt and Hecker, 1964, p. 97. Strimple and  
Moore, 1971a, p. 39. Webster, 1973, p. 253. Horowitz and Strimple, 1974, p.  
213. Webster, 1977, p. 166. Lane *in* Moore and Teichert, 1978, p. T479.  
Broadhead and Strimple, 1980, Fig. 2, no. C. Broadhead, 1981, p. 146. Strimple  
and Coney, 1982, p. 993. Horowitz, 1982, p. 11. Burdick and Strimple, 1983a, p.  
189. Webster, 1986, p. 298. Lane and Sevastopulo, 1987, p. 205. Chestnut and  
Ettensohn, 1988, p. 55, Fig. 10. Webster, 1988, p. 156. Webster, 1993, p. 116.

**DAEMONOCRINITES** Troost, 1850a, p. 62. Troost, 1850b, p. 420. *\*D. cornutus*  
Troost, 1850.

**DAEMONICRINITES** Troost, 1850. Miller, S. A., 1889, p. 237.

*DAEMENOCRINUS* Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 83.  
Bassler and Moodey, 1943, p. 699. Lane *in* Moore and Teichert, 1978, p. T479.

*DAEMENOCRINITES* Wood, E., 1909, p. 41. Bassler, 1938, p. 83. Bassler and Moodey, 1943, p. 699. Lane *in* Moore and Teichert, 1978, p. T479.

*DOLIOLOCRINITES* Hall, 1858c, p. 655 (Troost ms). Wood, E., 1909, p. 41.  
Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 699. Lane *in* Moore and Teichert, 1978, p. T479.

*DOLIOCRINITES* Shumard, 1866, p. 366. Moore and Teichert, 1978, p. T928.

*DOLIOLOCRINUS* Wachsmuth and Springer, 1881, p. 231 (404). Bather *in* Lankester, 1900, p. 202. Bassler, 1938, p. 89. Bassler and Moodey, 1943, p. 699. Lane *in* Moore and Teichert, 1978, p. T479.

Named, currently recognized species based on cups or crowns: 16 Mississippian  
Viséan species, 1 subspecies

Mississippian, Viséan (Meramecian - middle Chesterian). United States

*Talarocrinus buttsi* Ulrich, E. O., 1917, p. 264, Pl. 8, figs. 1-4. Bassler and Moodey, 1943, p. 699.

Mississippian, Viséan (Chesterian), Ste. Genevieve Formation, Ohara  
Limestone Member; Shetlerville Formation. United States, Kentucky, Illinois

*Talarocrinus constrictus* (Meek and Worthen, 1860). Ulrich, E. O., 1917, p. 183.  
Bassler and Moodey, 1943, p. 699.

*Dichocrinus constrictus* Meek and Worthen, 1860, p. 381. Meek and Worthen, 1866b, p. 263, Pl. 19, figs. 2a-2c. Shumard, 1868, p. 366. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 220. Bassler and Moodey, 1943, p. 699.

Mississippian, Viséan (Meramecian), Spergen Limestone. United States, Indiana

\**Talarocrinus cornigerus* (Shumard, 1857). Wachsmuth and Springer, 1881, p. 87.  
Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1897, p. 783, Pl. 78, figs. 6-7. Weller, S., 1898c, p. 623. Grabau and Shimer, 1910, p. 522, Fig. 1847.  
Ulrich, E. O., 1917, p. 266, Pls. 8, figs. 18-19; 9, figs. 7-8. Weller, S., 1920, p. 340, Pl. 6, fig. 35. Springer, 1926b, p. 46, Pl. 14, fig. 6. Butts, C., 1941, p. 250, Pl. 132, figs. 30-34. Bassler and Moodey, 1943, p. 699. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 12. Lane *in* Moore and Teichert, 1978, p. T479, Fig. 281, nos. 4b-4d. Broadhead, 1985, p. 211, Fig. 6, nos. C-D. Webster, 1986, p. 299. Webster, 1988, p. 156.

*Dichocrinus cornigerus* Shumard, 1857, p. 72, Pl. 1, figs. 1a-1d. Shumard, 1868, p. 393. Meek and Worthen, 1873, p. 537, Pl. 20, fig. 6. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 623. Bassler, 1938, p. 180. Bassler and Moodey, 1943, p. 699.

*Pterotocrinus cornigerus* (Shumard, 1857). Shumard, 1868, p. 393.

Mississippian, Viséan (Meramecian - early Chesterian), St. Louis  
Limestone; Paint Creek Formation; Ohara Formation; Gasper Limestone. United States, Illinois, Alabama, Virginia

*Talarocrinus decornis* Wachsmuth and Springer, 1897, p. 788, Pls. 3, fig. 19; 78, figs. 3a-3c. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 624. Bassler and

- Moodey, 1943, p. 699. Chestnut and Ettensohn, 1988, p. 56. Webster, 1993, p. 116.  
Mississippian, Viséan (Chesterian), Pennington Formation. United States, Kentucky
- Talarocrinus depressus* Ulrich, E. O., 1917, p. 267, Pls. 8, figs. 28-29; 10, figs. 17-20.  
Bassler and Moodey, 1943, p. 699.  
Mississippian, Viséan (Chesterian), Gasper Oolite. United States, Kentucky
- Talarocrinus dewolfi* Ulrich, E. O., 1917, p. 264, Pl. 8, figs. 5-10. Bassler and Moodey, 1943, p. 699.  
Mississippian, Viséan (Chesterian), Ste. Genevieve Limestone, Ohara Member.  
United States, Kentucky
- Talarocrinus elegans* (Casseday and Lyon, 1862). Wachsmuth and Springer, 1881, p. 87 (261). Miller, S. A., 1889, p. 285. Ulrich, E. O., 1917, p. 266, Pls. 8, figs. 20-21; 10, figs. 1-4. Bassler and Moodey, 1943, p. 699.  
*Dichocrinus elegans* Casseday and Lyon, 1862, p. 22. Shumard, 1868, p. 366.  
Miller, S. A., 1889, p. 239. Bassler and Moodey, 1943, p. 699.  
Mississippian, Viséan (Chesterian), lower part of Gasper Oolite. United States, Kentucky
- Talarocrinus elegans spinigerus* Ulrich, E. O., 1917, p. 267, Pls. 8, figs. 26-27; 10, figs. 14-16. Bassler and Moodey, 1943, p. 700.  
Mississippian, Viséan (Chesterian), Gasper Oolite. United States, Kentucky
- Talarocrinus inflatus* Ulrich, E. O., 1917, p. 265, Pls. 8, figs. 14-15; 9, figs. 4-6. Weller, J. M., 1917, p. 259, Pl. 40, figs. 7a-7b. Weller, S., 1920, p. 337, Pl. 6, figs. 1-13. Bassler and Moodey, 1943, p. 700. Strimple and Coney, 1982, p. 994, Pl. 1, figs. 2-5. Webster, 1988, p. 157.  
Mississippian, Viséan (Chesterian), Renault Formation; Newman Formation. United States, Illinois, Tennessee
- Talarocrinus ovatus* Worthen, 1882, p. 36. Worthen, 1883, p. 314, Pl. 29, fig. 11. Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1897, p. 787, Pl. 78, figs. 2a-2b. Weller, S., 1898c, p. 624. Ulrich, E. O., 1917, p. 266, Pls. 8, figs. 16-17b; 9, figs. 1-3. Weller, J. M., 1917, p. 259, Pl. 40, fig. 6. Weller, S., 1920, p. 340, Pl. 6, figs. 27-33. Bassler and Moodey, 1943, p. 700. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 15. Moore and Laudon, 1944, p. 199, Pl. 78, fig. 11. Webster, 1973, p. 253.  
Mississippian, Viséan (Chesterian), Renault Formation; Gasper Formation. United States, Illinois, Kentucky
- Talarocrinus patei* Miller and Gurley, 1897, p. 44, Pl. 3, figs. 9-12. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 624. Wilson, H. E., 1916, p. 510, Pl. 3, figs. 7-10. Butts, C., 1917, p. 80, Pl. 21, figs. 24-26. Weller, J. W., 1917, p. 259, Pl. 40, fig. 3. Miller, A. M., 1919, p. 114, Pl. 61, figs. 24-26. Springer, 1926b, p. 46, Pl. 13, figs. 1-14. Bassler and Moodey, 1943, p. 700. Spreng and Parks, 1953, p. 594,

- Figs. 1, no. k; 11. Webster, 1977, p. 166. Lane *in* Moore and Teichert, 1978, p. T479, Fig. 281, no. 4a. Webster, 1986, p. 299.  
Mississippian, Viséan (Chesterian), Gasper Formation; Renault Formation. United States, Kentucky, Illinois
- Talarocrinus planus* Weller, S., 1920, p. 342, Pl. 6, figs. 14-16. Bassler and Moodey, 1943, p. 700. Kammer and Springer, 2008, p. 1183, Figs. 4.5-4.8.  
Ausich and Kammer, 2009, p. 703
- Platycrinites* cf. *P. burlingtonensis* (Owen and Shumard, 1850). Rollins and Brezinski, 1988, p. 209, Figs. 3-5. Webster, 1993, p. 93. Ausich and Kammer, 2009, p. 704.  
Mississippian, Viséan (Chesterian), Paint Creek Formation; Mauch Chunk Formation, Wymps Gap Limestone. United States, Illinois, Pennsylvania
- Talarocrinus sexlobatus* (Shumard, 1867). Wachsmuth and Springer, 1881, p. 87 (261).  
Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1897, p. 784, Pl. 78, figs. 1a-1c. Weller, S., 1898c, p. 624. Ulrich, E. O., 1917, p. 267, Pls. 8, figs. 24-25; 9, figs. 12-16. Springer, 1926a, p. 46, Pl. 13, fig. 15. Bassler and Moodey, 1943, p. 700. Laudon, 1973b, p. 32, Fig. 7. Webster, 1977, p. 166.
- Dichocrinus sexlobatus* Shumard, 1867, p. 73, Pl. 1, figs. 3a-3e. Shumard, 1868, p. 394. Weller, S., 1898c, p. 624. Bassler and Moodey, 1943, p. 670.
- Pterotocrinus sexlobatus* (Shumard, 1857). Shumard, 1868, p. 394.
- Dichocrinus sexlobatus* (Shumard, 1857). Miller, S. A., 1889, p. 239.
- Pterotocrinus sexlobatus* (Shumard, 1857). Miller, S. A., 1889, p. 276.  
Mississippian, Viséan (Meramecian – Chesterian), St. Louis Limestone; Gasper Oolite. United States, Kentucky, Virginia
- Talarocrinus similis* Ulrich, E. O., 1917, p. 269, Pl. 10, figs. 8-13. Bassler and Moodey, 1943, p. 700.  
Mississippian, Viséan (Chesterian), Gasper Oolite. United States, Kentucky
- Talarocrinus simplex* (Shumard, 1857) = *Dichocrinus simplex*
- Talarocrinus subglobosus* Wachsmuth and Springer, 1897, p. 789, Pl. 79, figs. 1a-1b.  
Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 624. Bassler and Moodey, 1943, p. 700.  
Mississippian, Viséan (Chesterian), lower part of Gasper Oolite. United States, Kentucky
- Talarocrinus symmetricus* (Casseday and Lyon, 1862). Wachsmuth and Springer, 1881, p. 87 (261). Miller, S. A., 1889, p. 285. Wachsmuth and Springer, 1897, p. 786, Pl. 78, figs. 4a-5. Weller, S., 1898c, p. 624. Wood, E., 1909, p. 41, Pl. 4, figs. 1-2. Ulrich, E. O., 1917, p. 266, Pls. 8, figs. 22-23; 10, figs. 5-7. Butts, C., 1926, p. 190, Pl. 59, fig. 16. Bassler and Moodey, 1943, p. 701. Ausich, 2009a, p. 486, suppl. p. 45.

*Dichocrinus symmetricus* Casseday and Lyon, 1862, p. 20. Shumard, 1868, p. 367. Miller, S. A., 1889, p. 239. Weller, S., 1898c, p. 624. Bassler and Moodey, 1943, p. 701.

*Daemonocrinites cornutus* Troost, 1850a, p. 62. Troost, 1850b, p. 420.

*Daemenocrinites cornutus* Troost, 1850. Shumard, 1868, p. 393. Bassler, 1938, p. 83. Bassler and Moodey, 1943, p. 701.

*Pterotocrinus cornutus* (Troost, 1850). Shumard, 1868, p. 393.

Mississippian, Viséan (Chesterian), Gasper Formation, Renault Formation. United States, Kentucky, Alabama, Illinois

*Talarocrinus trijugis* Miller and Gurley, 1893, p. 45, Pl. 3, figs. 9-11. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 625. Butts, C., 1917, p. 61, Pl. 15, figs. 3-5. Ulrich, E. O., 1917, p. 265, Pls. 8, figs. 11-13; 9, figs. 10-11. Miller, A. M., 1919, Pl. 60, figs. 3-5. Weller, S., 1920, p. 338, Pl. 6, figs. 17-26. Bassler and Moodey, 1943, p. 701. Strimple and Coney, 1982, p. 994, Pl. 1, fig. 1. Webster, 1988, p. 157.

Mississippian, Viséan (early Chesterian), Ste. Genevieve Formation, Ohara Limestone Member; Shetlerville Formation; Renault Formation; Newman Formation. United States, Illinois, Tennessee

*Talarocrinus* spp.

Wachsmuth and Springer, 1889a, p. 342, Pl. 18, fig. 7.

Early Mississippian, formation and locality not given

Miller, A. M., 1919, Pl. 60, figs. 1-2.

Mississippian, Viséan (Chesterian), Ohara Formation. United States, Kentucky  
Butts, C., 1941, p. 250, Pl. 132, figs. 35-42. Webster, 1973, p. 253.

Mississippian, Viséan (Chesterian), Gasper Formation. United States, Virginia  
Anderson, W. I., 1983, p. 157, Fig. 7.16. Webster, 1988, p. 157.

Mississippian, no locality data

Burdick and Strimple, 1983a, p. 190, Pl. 3, figs. 4-5, 10-11, 13, 16, 18-19, 21.

Webster, 1988, p. 157.

Mississippian, Viséan (Chesterian), upper part of Monteagle Limestone. United States, Alabama

Waters and Maples, 1991, p. 403, Fig. 4, no. B.

Mississippian, Viséan (Chesterian). United States, Midcontinent region

Tanaocrinidae Moore, 1954, p. 144, Fig. 8, no. B (plate diagram). Webster, 1973, p. 276.

No age given

Tanaocrinina Moore, 1954, p. 144, Fig. 8, no. D (plate diagram). Webster, 1973, p. 276.

No age given

*TANAOCRINUS* Wachsmuth and Springer, 1897 = **CANISTROCRINUS**

*Tanaocrinus typus* Wachsmuth and Springer, 1897 = *Canistrocrinus typus*

*TANOOCRINUS* Frest, Strimple and Kelly, 1976 = **CANISTROCRINUS**

*Tanocrinus typus* (Wachsmuth and Springer, 1897) = *Canistrocrinus typus*

Tapering crinoid feeding appendage-theca boundary Guensburg and Sprinkle, 2007, p. 280, Fig. 2, no. E.  
Diagramatic

**TAPINOCRINUS** Webster, 1987. \**T. macurdai* Webster, 1987.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Erisocrinoidea, F. Graphiocrinidae

Webster, 1987, p. 117. Webster, 1993, p. 116.

Named, currently recognized species based on cups or crowns: 4 Permian species, 2 Sakmarian – Artinskian, 1 Artinskian, 1 series uncertain  
Permian, late Sakmarian - Artinskian. Australia, Western Australia  
Permian, series uncertain. West Timor

*Tapinocrinus ingrami* Webster, 1987, p. 120, Fig. 12, nos. E-L. Webster, 1993, p. 116.  
Teichert and Webster, 1993, p. 5, Pl. 66, figs. 1-4.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

\**Tapinocrinus macurdai* Webster, 1987, p. 118, Fig. 12, nos. M-DD. Webster, 1993, p. 116. Teichert and Webster, 1993, p. 6, Pl. 66, figs. 14-16.  
Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia, Western Australia

*Tapinocrinus spinosus* (Wanner, 1924). Webster, 1987, p. 121. Webster, 1990, p. 65, Pl. 2, figs. 8-10. Webster and Jell, 1992, p. 343, Fig. 11, no. E. Webster, 1993, p. 116.

*Graphiocrinus? timoricus* var. *spinosa* Wanner, 1924. Wanner, 1949a, p. 31. Webster, 1973, p. 143. Webster, 1987, p. 121. Webster, 1993, p. 116.

*Graphiocrinus timoricus* var. *spinosa* Wanner, 1924, p. 233, Pl. 15, figs. 9-10. Bassler and Moodey, 1943, p. 498. Webster, 1987, p. 121.

*Graphiocrinus timoricus spinosa* Wanner, 1924. Branson, C. C., 1948, p. 195. Permian, late Artinskian, Wandagee Formation. West Timor, Australia, Western Australia

*Tapinocrinus timoricus* (Wanner, 1916). Webster, 1987, p. 121. Webster, 1993, p. 117. *Graphiocrinus timoricus* Wanner, 1916, p. 166, Pl. 106 (1), figs. 1-5; Figs. 46-50. Wanner, 1924, p. 232, Figs. 39-40. Bassler and Moodey, 1943, p. 498. Branson, C. C., 1948, p. 195. Webster, 1987, p. 121. Webster, 1993, p. 117.

*Graphiocrinus? timoricus* Wanner, 1916. Wanner, 1949a, p. 29, Pl. 2, figs. 22-27. Webster, 1973, p. 143. Ubaghs in Moore and Teichert, 1978, p. T164, Fig. 135, no. 4. Webster, 1986, p. 16

Permian, series uncertain. West Timor, Basleo, Noil Fatoe

*Tapinocrinus?* sp. Webster, 1987, p. 121, Fig. 12, nos. EE-GG.

Permian, late Sakmarian - early Artinskian, Callytharra Formation. Australia,  
Western Australia

**TARACHIOCRINUS** Strimple, 1962. \**Ataxiacrinus multiramus* Strimple, 1961.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F.  
Cromyocrinidae

Strimple, 1962d, p. 135. Webster, 1973, p. 253. Moore and Strimple *in* Moore and  
Teichert, 1978, p. T694. Webster, 1981, p. 1196, Fig. 1. Webster, 1988, p. 157.

**ATAXIACRINUS** Strimple, 1961g, p. 89. \**Ataxiacrinus multiramus* Strimple, 1961g,  
p. 90. Moore and Strimple *in* Moore and Teichert, 1978, p. T694.

Named, currently recognized species based on cups or crowns: 4 Pennsylvanian  
species, 1 Morrowan, 1 Desmoinesian, 2 Missourian  
Pennsylvanian, Morrowan - Missourian. United States

*Tarachirocrinus meadowensis* (Strimple, 1949). Strimple, 1962d, p. 136. Webster,  
1973, p. 253.

*Mooreocrinus meadowensis* Strimple, 1949d, p. 26, Pl. 4, figs. 12-14. Webster,  
1973, p. 253.

*Ataxiacrinus meadowensis* (Strimple, 1949). Strimple, 1961g, p. 90. Webster, 1973,  
p. 253.

Pennsylvanian, Missourian, Meadow Limestone. United States, Nebraska

\**Tarachirocrinus multiramus* (Strimple, 1961). Strimple, 1962d, p. 136. Webster, 1973,  
p. 253.

*Ataxiacrinus multiramus* Strimple, 1961g, p. 90, Pls. 5, figs. 1-3; 10, figs. 1-3.  
Webster, 1973, p. 253.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Tarachiocrinus optimus* (Strimple, 1951). Strimple, 1962d, p. 136. Webster, 1973, p.  
253.

*Dicromyocrinus optimus* Strimple, 1951c, p. 15, Pl. 3, figs. 1-4. Strimple and  
Watkins, 1969, p. 162, Pl. 40, figs. 5-8. Moore and Strimple, 1973, p. 57, Pls.  
12, figs. 4a-4d; 13, figs. 2-2d, 4a-4d. Webster, 1973, p. 253. Webster, 1977, p.  
71.

*Ataxiacrinus optimus* (Strimple, 1951). Strimple, 1961g, p. 90. Webster, 1973, p.  
253.

Pennsylvanian, Morrowan, Marble Falls Formation; Wapanucka Formation,  
Brentwood Limestone Member. United States, Texas, Oklahoma

*Tarachirocrinus periodus* (Strimple, 1951). Strimple, 1962d, p. 136. Webster, 1973, p.  
253.

*Dicromyocrinus periodus* Strimple, 1951b, p. 375, Pl. 56, figs. 1-4. Webster, 1973,  
p. 253.

*Ataxiacrinus periodus* (Strimple, 1951). Strimple, 1961g, p. 90. Webster, 1973, p.  
253.

Pennsylvanian, Missourian, Winterset Limestone. United States, Kansas



*Tarachirocrinus tapajosi* (Strimple, 1960) Strimple, 1962 = *Dicromyocrinus tapajosi* =  
*Parulocrinus tapajosi*

**TARANTOCRINUS** Webster and Lane, 1987. \**T. typus* Webster and Lane, 1987.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F.  
Sunwaptacrinidae  
Webster and Lane, 1987, p. 30. Webster, 1993, p. 117.  
Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species  
Mississippian, Viséan (Osagean). United States

\**Tarantocrinus typus* Webster and Lane, 1987, p. 31, Fig. 8, nos. 8-10, 17-20.  
Webster, 1993, p. 117.  
Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

**TARASSOCRINUS** Webster and Hafley, in Webster *et al.*, 1999. \**Tarassocrinus*  
*synchlydus* Webster and Hafley in Webster *et al.*, 1999.  
Sbc. Cladida, F. uncertain  
Webster and Hafley in Webster *et al.*, 1999, p. 474.  
Named, currently recognized species based on cups or crowns: 1 Devonian,  
Famennian species  
Devonian, late Famennian: United States, Colorado

\**Tarassocrinus synchlydus* Webster and Hafley in Webster *et al.*, 1999, p. 474, Figs.  
4.4, 4.7, 5.2.  
Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States,  
Colorado

**TASMANOCRINUS** Willink, 1979. \**T. mariensis* Willink, 1979.  
Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. uncertain  
Willink, 1979a, p. 125, Fig. 7, nos. c-d. Webster, 1986, p. 299.  
Named, currently recognized species based on cups or crowns: 1 Permian,  
Sakmarian species  
Permian, Sakmarian. Australia

\**Tasmanocrinus mariensis* Willink, 1979a, p. 128, Figs. 6, nos. g-l; 7, nos. a-b; Tab. 1.  
Webster, 1986, p. 299.  
Permian, Sakmarian, Darlington Limestone. Australia, Tasmania

*Tasmanocrinus* sp. Webster and Jell, 1999b, p. 332, Fig. 34, nos. A-B.  
Permian, late Artinskian, Malbina Formation. Australia, Tasmania

**TAUCATILLOCRINUS** Willink, 1978 = **NOTIOCATILLOCRINUS**

*Taucatillocrinus cephalonus* Willink, 1978 = *Notiocatillocrinus cephalonus*

*Taucatillocrinus? giganteus* Willink, 1978 = *Notiocatillocrinus giganteus*

- Taxocrinid indet. Webster and Jell, 1999a, p. 273, Fig. 21.  
Mississippian, late Tournaisian, Malchi Formation. Australia, Queensland
- Taxocrinid indeterminate 1 Webster and Hafley *in* Webster *et al.*, 1999, p. 476, Fig. 5.4.  
Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado
- Taxocrinid indeterminate 2 Webster and Hafley *in* Webster *et al.*, 1999, p. 476, Fig. 5.8.  
Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado
- Taxocrinid indet. #1 Webster, 1997, p. 35, Pl. 2, fig. 2.  
Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah
- Taxocrinid indet. #2 Webster, 1997, p. 35, Pl. 2, fig. 1.  
Mississippian, early late Tournaisian, upper half of Devil Creek Member, Henderson Canyon Formation. United States, Utah
- Taxocrinid indeterminate Webster *et al.*, 2004, p. 59, Pl. 16, fig. 4.  
Pennsylvanian, Bashkirian, Hassi Kerma Formation. Algeria
- Taxocrinid indeterminate sets of arms Webster, Maples, and Yazdi, 2007, p. 1116, Fig. 5, nos. 4-5.  
Mississippian, late Tournaisian, Mobarak Formation. Northern Iran
- Taxocrinidae indet. Bohatý, 2006d, p. 247, Fig. 2, nos. 1-3.  
Devonian, Givetian, lower part of Plattenkalks. Germany
- TAXOCRINITES** Steininger, 1853 = **TAXOCRINUS**
- Taxocrinites intermedius* (Wachsmuth and Springer, 1888) = *Taxocrinus intermedius*
- Taxocrinoidea Genus indet. Webster and Becker, 2009, p. 145, unfig.  
Devonian, late Frasnian, *Carinoceras* Beds, Anou Smaira Formation. Morocco
- TAXOCRINUS** Phillips *in* Morris, 1843. \**Cyathocrinus? macrodactylus* Phillips, 1841. Sbc. Cladida, Inf. Flexibilia, O. Taxocrinida, Spf. Taxocrinoidea, F. Taxocrinidae Phillips *in* Morris, J., 1843, p. 59. Bronn, 1848, p. 1217. d'Orbigny, 1849-51, p. 145. d'Orbigny, 1850, p. 157. Sandberger and Sandberger, 1856, p. 392. Pictet, 1857, p. 327. Müller, J., 1857, p. 244. Müller, J., 1859, p. 185. Dujardin and Hupé, 1862, p. 147. Shumard, 1868, p. 397. Bigsby, 1868, p. 23. Beyrich, 1871b, p. 402, Unnum. Fig. p. 402 (diagramatic). Salter, 1873, p. 125, Unnum. Fig. Zittel, 1880, p. 343, 353. Wachsmuth and Springer, 1880 (1879), p. 43 (266). Wachsmuth and Springer, 1886, p. 144(220). Wachsmuth and Springer, 1889a, p. 356. Miller, S. A., 1889, p. 285. Steinmann and Döderlein, 1890, p. 162. Zittel, 1895, p. 138, Fig. 272. Koken, 1896, p. 283. Grabau, 1899a, p. 145. Bather *in*

- Lankester, 1900, p. 189. Wachsmuth *in* Zittel, 1900, p. 163. Jaekel, 1902, p. 1070, Fig. 13, no. A. Springer, 1902, p. 90. Steinmann, 1903, p. 180. Springer, 1906, p. 519. Steinmann, 1907, p. 201. Grabau and Shimer, 1910, p. 564. Bather, 1913d, p. 390. Springer, 1920a, p. 239. Goldring, 1923, p. 318. Schmidt, H., 1929, p. 85. Schmidt, W. E., 1934, p. 114. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 701. Moore and Laudon, 1943b, p. 69, Fig. 10. Moore and Laudon, 1944, p. 177, Pl. 67, fig. 10. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 755. Burdick and Strimple, 1971a, p. 43. Lane, N. G., 1973, p. 77, Fig. 19. Webster, 1973, p. 253. Horowitz and Strimple, 1974, p. 213. Webster, 1977, p. 166. Moore *in* Moore and Teichert, 1978, p. T768, Figs. 506, no. 8a; 507, no. 7a. Westhead, 1978, Fig. 5, no. e. Burdick and Strimple, 1983a, p. 198. Chestnut and Etensohn, 1988, p. 52, Fig. 10. Webster, 1986, p. 299. Webster, 1988, p. 157. Lane and Sevastopulo, 1990, p. 334. Donovan, 1992c, p. 41. Webster, 1993, p. 117. Webster et al., 2003, p. 29. Waters et al., 2003. Donovan and Lewis, 2003, p. 3.
- CLADOCRINITES** Austin and Austin, 1843, p. 197, Fig. 8C. *\*Poteriocrinutes* *egertoni* Phillips, 1836. Bassler, 1938, p. 66. Bassler and Moodey, 1943, p. 701. Moore *in* Moore and Teichert, 1978, p. T768.
- CLADOCRINUS** Morris, J., 1843, p. 59. Wachsmuth and Springer, 1880 (1879), p. 43 (59). Bassler, 1938, p. 66. Bassler and Moodey, 1943, p. 701. Moore *in* Moore and Teichert, 1978, p. T768.
- ISOCRINUS** Phillips, 1841, p. 30 (*non* von Meyer, 1836). Bassler, 1938, p. 119. Bassler and Moodey, 1943, p. 701. Moore *in* Moore and Teichert, 1978, p. T768. Blong and Matteson, 1995, p. iii, front cover.
- ISOCRINITES** Phillips, 1841, p. 30. Moore *in* Moore and Teichert, 1978, p. T768.
- EURYALECRINUS** Austin and Austin, 1846, p. 66. Bassler, 1938, p. 98. Bassler and Moodey, 1943, p. 701. Moore *in* Moore and Teichert, 1978, p. T768.
- EURYALOCRINUS** Delage and Herouard, 1903, p. 477. Bassler, 1938, p. 98. Moore *in* Moore and Teichert, 1978, p. T768.
- TAXOCRINITES** Steininger, 1853, p. 37. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 701. Moore *in* Moore and Teichert, 1978, p. T768.
- Named, currently recognized species based on cups or crowns: 30 species. 8 Devonian, 1 Eifelian, 3 Givetian, 4 Famennian; 22 Mississippian, 9 Tournaisian, 9 Viséan, 1 Viséan - Serpukhovian, 3 Serpukhovian Devonian, Eifelian - Mississippian, Viséan. Europe Devonian, Givetian - Late Mississippian, Serpukhovian (Chesterian). United States

**TAXOCRINUS** Angelin, 1878 (prat) = **PROTAXOCRINUS**

*Taxocrinus affinis* Müller, 1856 = *Eutaxocrinus affinis*

*Taxocrinus (Forbesiocrinus) agassizi* var. *giganteus* (Meek and Worthen, 1861) = *Forbesiocrinus agassizi*

*Taxocrinus anomalus* Waters, et al., 2003, p. 939, Figs. 9, no. 7; 12, no. 14. Devonian, Famennian, Hongguleleng Formation. China, Xinjiang-Uygar, Junggar Basin

*Taxocrinus (Actinocrinites? arthriticus* (Phillips, 1839) = *Gissocrinus arthriticus*

*Taxocrinus austini* Angelin, 1878 = *Protaxocrinus salteri*

*Taxocrinus belgicus* Springer, 1920a, p. 381, Pl. 54, figs. 2a-2b. Bassler and Moodey, 1943, p. 701.  
Mississippian, Tournaisian. Belgium

*Taxocrinus bellmanensis* Wright, J., 1954a, p. 169, Pl. 42, figs. 12, 14-15. Webster, 1973, p. 253. Donovan, 1992c, p. 45.  
Mississippian, Viséan (C<sub>2</sub> or S<sub>1</sub>). United Kingdom, Scotland

*Taxocrinus brevidactylus* (Austin and Austin, 1843) = *Blothrocrinus brevidactylus* =  
*Blothrocrinus longidactylus*

*Taxocrinus briareus* Schultze, 1866 = *Lecythocrinus briareus* = *Lecythocrinus eifelianus*

*Taxocrinus cestriensis* (Hall, 1858) = *Taxocrinus whitfieldi*

*Taxocrinus colletti* White, 1881. Miller and Gurley, 1893, p. 49. Miller, S. A., 1897, p. 754. Springer, 1920a, p. 381, Pls. 21, fig. 4; 55, fig. 11; 56, figs. 1-11; 57, figs. 1-10. Bassler and Moodey, 1943, p. 702. Moore and Laudon, 1943b, p. 136, Pl. 7, fig. 12. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 5. Van Sant *in* Van Sant and Lane, 1964, p. 103, Pl. 6, figs. 1, 3-5, 10; Figs. 12, nos. 5-8; 13. Moore, Jeffords, and Miller, 1968a, p. 20, Pl. 4, fig. 4. Lane, N. G., 1973, p. 60, Fig. 20. Webster, 1973, p. 253. Webster, 1977, p. 166. Ubaghs *in* Moore and Teichert, 1978, p. T131, Fig. 102, nos. 4-5. Moore *in* Moore and Teichert, 1978, p. T768, Fig. 512, no. 4. Ausich, 1980a, p. 277, Tab. 2. Webster, 1988, p. 300. Ausich and Meyer, 1992, p. 827, figs. 1.1-1.2. Baumiller and Ausich, 1996, p. 54, Fig. 9, no. F. Stinchfield, 2008, p. 126, 127, Figs. 07-054, 07-063. Gahn and Baumiller, 2010, p. 514c, Fig. 4.

*Taxocrinus colletti* (White, 1881). Gahn and Baumiller, 2010, p. 514c, Fig. 4, nos. A-C.

*Taxocrinus multibrachiatus* var. *colletti* White, C. A., 1881a, p. 506, Pl. 7, fig. 3  
White, C. A., 1881b, p. 138, Pl. 7, fig. 3. Miller, S. A., 1889, p. 286. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 702. Ausich and Meyer, 1992, p. 827.

*Forbesiocrinus meeki* Quenstedt, 1885 (non Hall, 1858), p. 946, Pl. 75, figs. 24-25.  
Bassler and Moodey, 1943, p. 702. Ausich and Meyer, 1992, p. 827.

*Taxocrinus splendens* Miller and Gurley, 1896a, p. 61, Pl. 5, figs. 3-4. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 702.  
Ausich and Meyer, 1992, p. 827.

Mississippian, Viséan (Osagean), Edwardsville Formation; Fort Payne Formation; Ramp Creek Formation. United States, Indiana, Tennessee

- Taxocrinus communis* (Hall, 1863). Miller, S. A., 1889, p. 285. Lesley, 1889, p. 1162, Figs. 3-5. Weller, S., 1898c, p. 625. Grabau and Shimer, 1910, p. 565, Fig. 1904, nos. b-c. Springer, 1920a, p. 381, Pl. 52, figs. 1-4. Bassler and Moodey, 1943, p. 702. Moore, Jeffords, and Miller, 1968a, p. 20, Pl. 4, fig. 5. Webster, 1973, p. 254. Wolf, 1979, p. 151, Fig. 2, non. k. Webster, 1988, p. 300.  
*Forbesiocrinus communis* Hall, 1863b (part), p. 55. Hall, 1864a, p. 55. Shumard, 1868, p. 371. Hall and Whitfield, 1875, p. 169, Pl. 12, fig. 3 only. Miller, S. A., 1889, p. 246. Miller, S. A., 1897, p. 746. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 702.  
 Mississippian, Tournaisian (Kinderhookian), Waverly Group, Cuyahoga Shale. United States, Ohio
- Taxocrinus concavus* Rowley, 1893 = *Aristocrinus concavus* = *Dactylocrinus concavus*
- Taxocrinus coplowensis* Wright, J., 1946b, p. 122, Pl. 7, figs. 8-9. Wright, J., 1954a, p. 167, Pl. 42, figs. 1-2. Webster, 1973, p. 254. Donovan, 1992c, p. 41, Fig. 6, no. B. Ausich and Sevastopulo, 2001, p. 124, Pl. 13, figs. 14-19; Fig. 14, no. H. Donovan and Lewis, 2003, p. 3, Pl. 4, fig. 3.  
 Mississippian, Tournaisian. United Kingdom, Scotland
- Taxocrinus crawfordsvillensis* Miller and Gurley, 1894 = *Parichthyocrinus crawfordsvillensis* = *Forbesiocrinus wortheni*
- Taxocrinus curtus* Williams, 1882 = *Eutaxocrinus curtus*
- Taxocrinus delabolei* Wright, J., 1937, p. 89, Unnum. Pl.; Unnum fig. Bassler and Moodey, 1943, p. 702.  
 Devonian, Famennian, Delabole Shale. United Kingdom
- Taxocrinus distensus* Angelin, 1878 = *Protaxocrinus distensus* = *P. salteri*
- Taxocrinus egertoni* Phillips, 1836 = *Onychocrinus polydactylus*
- Taxocrinus elegans* (Billings, 1857) = *Protaxocrinus elegans*
- Taxocrinus expansus* Angelin, 1878 = *Gnorimocrinus expansus*
- Taxocrinus fletcheri* Worthen, 1882 = *Eutaxocrinus fletcheri*
- Taxocrinus giddingsi* (Hall, 1858). Wachsmuth and Springer, 1880 (1879), p. 48 (271). Miller, S. A., 1889, p. 285. Weller, S., 1898c, p. 625. Springer, 1920a, p. 382, Pl. 59, figs. 1-12. Bassler and Moodey, 1943, p. 702. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 13. Webster, 1973, p. 254.  
*Forbesiocrinus giddingsi* Hall, 1858c, p. 633, Pl. 17, figs. 2, 4. Shumard, 1868, p. 371. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 702.

*Forbesiocrinus elegantulus* Miller, S. A., 1891, p. 40, Pl. 5, figs. 14-15. Miller, S. A., 1892a, p. 678. Miller, S. A., 1897, p. 746, Fig. 1355. Weller, S., 1898c, p. 278. Bassler and Moodey, 1943, p. 702.

Mississippian, Viséan (Osagean), Warsaw Limestone, Keokuk Limestone. United States, Missouri, Indiana

*Taxocrinus gracilis* Meek and Worthen, 1865 = *Eutaxocrinus gracilis*

*Taxocrinus graciliis* Schultze, 1866 = *Rhopalocrinus gracilis*

*Taxocrinus granulatus* Salter, 1873, p. 126 (*nomen nudum*). Bassler and Moodey, 1943, p. 702.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Taxocrinus granulatus* (Phillips, 1836) = *Euryocrinus granulatus*

*Taxocrinus grebei* Follmann, 1887 = *Cyathocrinus grebei* = *Follicrinus grebei*

*Taxocrinus hibernicus* (Wright, 1934). Ausich and Sevastopulo, 1994, p. 249, Fig. 6.

Ausich and Sevastopulo, 2001, p. 124, Pl. 13, figs. 14-19; Fig. 14, no. H.

*Onychocrinus hibernicus* Wright, J., 1934, p. 261, Pl. 15, figs. 1-4, 6; Figs. 29-30, 32-33. Bassler and Moodey, 1943, p. 575. Wright, J., 1954a, p. 174, Pls. 44, fig. 4; 45, figs. 2-3, 4-11, 13-17; 46, figs. 3, 5; Figs. 93-96. Webster, 1973, p. 185.

Ausich and Sevastopulo, 2001, p. 124.

*Taxocrinus hookheadensis* Wright, J., 1954a, p. 169, Pls. 45, figs. 1, 4; 46, figs. 1-2.

Webster, 1973, p. 254. Ausich and Sevastopulo, 2001, p. 124.

Mississippian, late Tournaisian, Hook Head Formation. Ireland

*Taxocrinus hollandi* Laudon and Beane, 1937, p. 253, Pl. 19, fig. 3. Bassler and Moodey, 1943, p. 702.

Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa

*Taxocrinus hookheadensis* Wright, 1954 = *Taxocrinus hibernicus*

*Taxocrinus huntsvillae* Springer, 1920a, p. 382, Pl. 59, figs. 17-18, 20-25. Bassler and Moodey, 1943, p. 702. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 16.

Cornwell and Cornwell, 1968, Pl. 1, fig. 1. Laudon, 1973b, p. 32, Fig. 1.

Webster, 1973, p. 254. Webster, 1977, p. 166.

Mississippian, Serpukhovian (Chesterian), St. Genevieve Limestone; Gasper Oolite. United States, Iowa, Alabama

*Taxocrinus interbrachiatus* Angelin, 1878 = *Protaxocrinus interbrachiatus*

*Taxocrinus intermedius* Wachsmuth and Springer, 1888, p. 344, Pl. 18, figs. 1a-1e.

Wachsmuth and Springer, 1889a, p. 344, Pl. 18, figs. 1a-1d. Wachsmuth and

Springer, 1890a, p. 199, Pl. 15, fig. 11; 1889c, p. 285. Zittel, 1895, p. 119, Fig.

228. Springer, 1897, Pls. 3, fig. 11; 8, figs. 5a-5b. Weller, S., 1898c, p. 625.

- Wachsmuth *in* Zittel, 1900, p. 128, 163, Figs. 228; 272. Delage and Herouard, 1903, p. 388, Fig. 481. Springer, 1920a, p. 389, Pl. 53, figs. 1-6. Laudon and Beane, 1937, p. 252, Pls. 17, fig. 9; 18, fig. 1. Bassler and Moodey, 1943, p. 702. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 1. Yakovlev, 1964b, p. 58, Fig. 62. Webster, 1973, p. 254. Ubaghs *in* Moore and Teichert, 1978, p. T178, Fig. 149, no. 2. Moore *in* Moore and Teichert, 1978, p. T768, Fig. 512, nos. 5a-5b. Webster, 1988, p. 300.
- Taxocrinites intermedius* (Wachsmuth and Springer, 1888). Ubaghs, 1953, p. 683, Fig. 21, no. h.  
Mississippian, Tournaisian (Kinderhookian), Hampton Formation. United States, Iowa
- Taxocrinus interscapularis* Hall, 1858c, p. 482, Pl. 1, fig. 3. Shumard, 1868, p. 398. Quenstedt, 1872, p. 505, Pl. 107, fig. 146. Miller, S. A., 1889, p. 285. Springer, 1920a, p. 381, Pl. 52, fig. 6. Thomas, A. O., 1924, p. 474, Pl. 44, fig. 10. Bassler and Moodey, 1943, p. 703.  
Devonian, Givetian, Cedar Valley Limestone. United States, Iowa
- Taxocrinus interscapularis* Cleland, 1911 (non Hall, 1858) = *Taxocrinus telleri*
- Taxocrinus ithacensis* Williams, 1882 = *Eutaxocrinus ithacensis*
- Taxocrinus ithacensis* var. *alpha* Williams, 1882 = *Eutaxocrinus alpha*
- Taxocrinus juglandiformis* Schultze, 1866 = *Eutaxocrinus juglandiformis*
- Taxocrinus juvenis* (Hall, 1861). Meek and Worthen, 1866a, p. 271. Miller, S. A., 1889, p. 285. Whitfield, 1893b, p. 35, Pl. 3, figs. 21-22. Wachsmuth and Springer, 1897, Pl. 6, fig. 16. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 625. Springer, 1920a, p. 381, Pl. 54, figs. 3-11. Bassler and Moodey, 1943, p. 703.
- Forbesiocrinus juvenis* Hall, 1861a, p. 319. Hall, 1861b, p. 8. Hall, 1861c, p. 319. Shumard, 1868, p. 371. Hall, 1872c, Pl. 7, fig. 3. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 703.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa
- Taxocrinus kelloggi* (Hall, 1863) = *Taxocrinus kelloggi*
- Taxocrinus* (*Forbesiocrinus*) *kelloggi* (Hall, 1863) = *Taxocrinus kelloggi*
- Taxocrinus kelloggi* (Hall, 1863). Meek and Worthen, 1865a, p. 140. Weller, S., 1898c, p. 625. Grabau and Shimer, 1910, p. 565, Fig. 1904, no. a. Springer, 1920a, p. 388, Pl. 52, figs. 5a-5c. Bassler and Moodey, 1943, p. 703.
- Forbesiocrinus kelloggi* Hall, 1863b, p. 66. Hall, 1864a, p. 66. Shumard, 1868, p. 372. Hall and Whitfield, 1875c, p. 171, Pl. 12, fig. 1. Miller, S. A., 1889, p. 246. Miller,

S. A., 1897, p. 746. Weller, S., 1898c, p. 625. Bassler and Moodey, 1943, p. 703.

*Taxocrinus (Forbesiocrinus) kelloggi* (Hall, 1863). Lesley, 1889, p. 1163, Fig. 1.

*Taxocrinus kelloggi* (Hall, 1863). Miller, S. A., 1889, p. 285.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Taxocrinus laevis* (Billings, 1857) Miller, 1889 = *Ichthyocrinus laevis*

*Taxocrinus laevis* (Billings, 1857) Miller, 1889 = *Protaxocrinus laevis*

*Taxocrinus lobatus* (Hall, 1862). Wachsmuth and Springer, 1880 (1879), p. 49 (272).

Miller, S. A., 1889, p. 286. Springer, 1920a, p. 381, Pl. 52, figs. 9-11. Clarke, 1921b, p. 73, Fig. 60. Goldring, 1923, p. 319, Pl. 39, figs. 18-20. Bassler and Moodey, 1943, p. 703. Ubaghs, 1953, p. 755, Fig. 138, no. b. Webster, 1973, p. 254. Baird, Brett, and Tomlinson, 1990, p. 235, Figs. 6, nos. A-B; 7. Webster, 1993, p. 117.

*Forbesiocrinus lobatus* Hall, 1862a, p. 124. Hall, 1862b, p. 95. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246.

Middle Devonian, Givetian, Hamilton Group, Moscow Shale. United States, New York

*Taxocrinus lobatus* var. *Whiteaves*, 1887 = *Eutaxocrinus whiteavesi*

*Taxocrinus lobatus* var. *tardus* (Hall, 1864) = *Dactylocrinus tardus*

*Taxocrinus longidactylus* (Austin and Austin, 1842) = *Taxocrinus?? Longidactylus* = *Blothrocrinus longidactylus*

*Taxocrinus?? longidactylus* (Austin and Austin, 1843) = *Blothrocrinus longidactylus*

*Taxocrinus (Gnorimocrinus) loveni* Wachsmuth and Springer, 1880 = *Meristocrinus interbrachiatus*

\**Taxocrinus macrodactylus* (Phillips, 1841). Morris, J., 1843, p. 90. Bronn, 1848, p. 1217. Dujardin and Hupé, 1862, p. 148. Baily, 1875, Pl. 30, figs. 3a-3b. Whidborne, 1898, p. 215, Pl. 33, figs. 2-4. Springer, 1920a, p. 381, Pl. 51, figs. 1-4. Schmidt, H., 1929, p. 85, Pl. 21, fig. 3. Schmidt, W. E., 1930, p. 62, Pl. 1, figs. 9-10. Bassler and Moodey, 1943, p. 703. Moore *in* Moore and Teichert, 1978, p. T768, Figs. 511, no. 1; 512, no. 5c. Webster, 1988, p. 300. Lane, Maples, and Waters, 2001a, p. 1052, Pl. 2, fig. 1. Lane, Maples, and Waters, 2001b, p. 246, Fig. 7.

*Cyathocrinus? macrodactylus* Phillips, 1841, p. 29, Pl. 15, fig. 41 (p. 30 given as *Isocrinus macrodactylus*). Bassler and Moodey, 1943, p. 703.

*Cladocrinites macrodactylus* (Phillips, 1841). Austin and Austin, 1843, p. 198.

*Isocrinus monodactylus* (Phillips, 1841). Bronn, 1848, p. 1217.

*Cyathocrinus? monodactylus* (Phillips, 1841). Bronn, 1848, p. 1217. d'Orbigny, 1850, p. 103. Bassler, 1938, p. 181.



*Cladocrinites monodactylus* (Phillips, 1841). Bronn, 1848, p. 304.

*Cyathocrinus macrodactylus* Phillips, 1841. Roemer, C. F. *in* Bronn and Roemer, 1851, p. 237.

Devonian, Famennian, Pilton Beds. Etroeungt. United Kingdom, North Devonshire; Ireland, Germany

*Taxocrinus marmoratus* Salter, 1873, p. 125 (*nomen nudum*). Bassler and Moodey, 1943, p. 704.

Silurian, Wenlockian, Much Wenlock Limestone. United Kingdom

*Taxocrinus meeki* (Hall, 1858) = *Parichthyocrinus meeki*

*Taxocrinus multibrachiatus* Lyon and Casseday, 1859? = *Taxocrinus colletti* = *Forbesiocrinus wortheni*

?*Taxocrinus multibrachiatus* Lyon and Casseday, 1859 = *Forbesiocrinus wortheni*

*Taxocrinus multibrachiatus* var. *colletti* White, 1881 = *Taxocrinus colletti*

*Taxocrinus nanus* Salter, 1873 = *Homalocrinus parabasalis* = \**Homalocrinus nanus*

*Taxocrinus nobilis* (Phillips, 1836). Morris, J., 1843, p. 59. Bronn, 1848, p. 1217.

Geinitz, 1853, p. 72, Pl. 20, fig. 11. Springer, 1920a, p. 381, Pl. 54, figs. 1a-1c.

Bassler and Moodey, 1943, p. 704. Wright, J., 1954a, p. 166, Pl. 44, fig. 7.

Webster, 1973, p. 254.

*Poteriocrinus? nobilis* Phillips, 1836, p. 205, Pl. 3, fig. 40. Bronn, 1848, p. 1035.

d'Orbigny, 1850, p. 157. Dujardin and Hupé, 1862, p. 148. Bassler and

Moodey, 1943, p. 704.

*Cladocrinites nobilis* (Phillips, 1836). Austin and Austin, 1843, p. 197. Bronn, 1848, p. 304.

*Proteriocrinites? nobilis* (Phillips, 1836). Bronn, 1848, p. 1217.

*Cyathocrinus nobilis* (Phillips, 1836). Roemer, C. F. *in* Bronn and Roemer, 1851, p. 236.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Taxocrinus nuntius* (Hall, 1862) = *Synaptocrinus nuntius*

*Taxocrinus oblongatus* Angelin, 1878 = *Eutaxocrinus oblongatus*

*Taxocrinus? orbignii* M'Coy, 1850 = *Meristocrinus orbignii*

*Taxocrinus orbignyi* M'Coy, 1850 = *Meristocrinus orbignyi*

*Taxocrinus ornatus* Springer, 1920a, p. 381, Pl. 54, figs. 12-13. Bassler and Moodey, 1943, p. 704. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 9. Webster, 1973, p.

254. Moore *in* Moore and Teichert, 1978, p. T768, Fig. 512, no. 5d. Webster, 1988, p. 300.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Taxocrinus ovalis* Angelin, 1878 = *Protaxocrinus ovalis*

*Taxocrinus pentagonus* (Austin and Austin, 1843) = *Phacelocrinus?* *Pentagonus* = *Gaelicrinus pentagonus*

*Taxocrinus polydactylus* M'Coy, 1844 = *Onychocrinus polydactylus*

*Taxocrinus praestans* Springer, 1920a, p. 381, Pl. 58, figs. 1-8. Bassler and Moodey, 1943, p. 704.

Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana

*Taxocrinus priscus* Steininger, 1853, p. 37. Springer, 1920a, p. 383. Bassler and Moodey, 1943, p. 704.

Devonian, Eifelian. Germany

*Taxocrinus punctatus* Angelin, 1878 = *Gnorimocrinus punctatus*

*Taxocrinus pustulosus* Springer, 1920a, p. 381, Pl. 54, figs. 19-20. Bassler and Moodey, 1943, p. 704. Kammer, 1984, p. 126, Fig. 4, nos. Q-R. Webster, 1988, p. 300.

Mississippian, Viséan (Osagean), Borden Formation, New Providence Shale. United States, Kentucky, Indiana

*Taxocrinus quadribrachiatus* Webster et al., 2003, p. 29, Figs. 17.4-17.6.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

*Taxocrinus ramulosus* (Hall, 1859). Miller, S. A., 1889, p. 286. Weller, S., 1898c, p. 626. Springer, 1920a, p. 381, Pl. 54, figs. 14-18. Bassler and Moodey, 1943, p. 704.

*Forbesiocrinus ramulosus* Hall, 1859 (*non* Lyon and Casseday, 1859), p. 67.

Shumard, 1868, p. 372. Quenstedt, 1885, p. 947, Pl. 75, fig. 26. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 704.

*Forbesiocrinus subramulosus* Shumard, 1866, p. 372. Shumard, 1868, p. 372.

Miller,

S. A., 1889, p. 246. Bassler and Moodey, 1943, p. 704.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Taxocrinus rhenanus* Sandberger and Sandberger, 1850-1856 = *Eutaxocrinus rhenanus*

*Taxocrinus rigens* Angelin, 1878 = *Eutaxocrinus oblongatus*

*Taxocrinus robustus* Miller, S. A., 1889 = *Eutaxocrinus fletcheri*

*Taxocrinus salteri* Angelin, 1878 = *Protaxocrinus salteri*

*Taxocrinus semiovatus* (Meek and Worthen, 1860) = *Onychocrinus semiovatus*

*Taxocrinus shumardanus* (Hall, 1858) = *Taxocrinus shumardianus*

*Taxocrinus shumardianus* (Hall, 1858). Wachsmuth and Springer, 1880 (1879), p. 49 (272). Weller, S., 1898c, p. 626. Springer, 1906, Pl. 7, fig. 17. Springer, 1920a, p. 382, Pl. 59, figs. 13-16. Bassler and Moodey, 1943, p. 704. Priest, 1970, p. 15, Fig. 6. Webster, 1977, p. 166. Burdick and Strimple, 1983a, p. 201, Pl. 25, figs. 1-2, 4-7, 10-11, 13. Webster, 1988, p. 300.

*Forbesiocrinus shumardianus* Hall, 1858c, p. 671, Pl. 18, fig. 1. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 626. Bassler and Moodey, 1943, p. 704.

*Taxocrinus shumardanus* (Hall, 1858). Miller, S. A., 1889, p. 286 (sic). Mississippian, Viséan – Serpukhovian (Meramecian – Chesterian), St. Louis Limestone; ?Ste. Genevieve Formation; Renault Formation; Monteagle Limestone; Pride Mountain Formation; Pella Beds. United States, Illinois, Missouri, Alabama, Iowa

*Taxocrinus simplex* (Phillips, 1839) = *Carpocrinus simplex*

*Taxocrinus spinifer* (Hall, 1861) = *Wachsmuthicrinus spinifer*

*Taxocrinus splendens* Miller and Gurley, 1896 = *T. colletti*

*Taxocrinus strimplei* Knox and Kendrick, 1987, p. 126, Fig. 3, nos. 1-4. Webster, 1993, p. 117. Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Tennessee

*Taxocrinus stultus* Whidborne, 1896, p. 377. Whidborne, 1898, p. 216, Pl. 34, figs. 1-3. Springer, 1920a, p. 385, Pl. 51, figs. 5a-5c. Bassler and Moodey, 1943, p. 705. Lane, Maples, and Waters, 2001a, p. 1054, Pl. 2, fig. 5. Devonian, Famennian, Pilton Beds. United Kingdom

*Taxocrinus stuertzi* Follman, Südkamp, 1995 = *Eutaxocrinus sturtzii*

*Taxocrinus stuertzii* Follmann, 1887 = *Eutaxocrinus sturtzii*

*Taxocrinus sturtzi* Follmann, 1887 = *Eutaxocrinus sturtzii*

*Taxocrinus sturtzii* Opitz, 1832 = *Eutaxocrinus sincerus*

*Taxocrinus sturtzii* Follmann, 1887 = *Eutaxocrinus sturtzii*

*Taxocrinus sturtzii* var. *spinifer* Schimdt, 1834 = *Eutaxocrinus sturtzii spinifer*

*Taxocrinus subovatus* Miller and Gurley, 1890 = *Parichthyocrinus subovatus*

*Taxocrinus tardus* (Hall, 1864) = *Dactylocrinus tardus*

*Taxocrinus telleri* Springer, 1920a, p. 381, Pl. 52, figs. 7-8. Bassler and Moodey, 1943, p. 705. Moore and Laudon, 1944, p. 177, Pl. 68, fig. 5. Webster, 1973, p. 254.

*Taxocrinus interscapularis* Cleland, 1911, p. 42, Pl. 3, figs. 11-12. Bassler and Moodey, 1943, p. 705.

Devonian, Givetian, Milwaukee Formation, Lindwurm Member. United States, Wisconsin

*Taxocrinus tesseracontadactylus* Murchison, 1872 = *Carpocrinus simplex*

*Taxocrinus thiemii* (Hall, 1861) = \**Wachsmuthicrinus thiemei*

*Taxocrinus thiemei* Meek and Worthen, 1873 = *Wachsmuthicrinus spinifer*

*Taxocrinus tubuliferus* Angelin, 1878 = *Protaxocrinus salteri*

*Taxocrinus tuberculatus* (Miller, 1821) = *Platycrinites tuberculatus*

*Taxocrinus tuberculatus*, *Cyathocrinus tuberculatus* Müller, 1859 = *Ichthyocrinus pyriformis*

*Taxocrinus ungula* Miller and Gurley, 1896a, p. 59, Pl. 5, figs. 1-2. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 627. Springer, 1920a, p. 381, Pl. 55, figs. 1-10. Bassler and Moodey, 1943, p. 705. Ubaghs, 1953, p. 755, Figs. 15, no. f; 106. Van Sant in Van Sant and Lane, 1964, p. 104. Webster, 1973, p. 254. Ubaghs in Moore and Teichert, 1978, p. T185, Fig. 155, no. 5. Webster, 1988, p. 300. Ausich in Hess et al., 1999 p. 147, Fig. 158.

Mississippian, Viséan (Osagean), Ramp Creek Formation; Edwardsville Formation. United States, Indiana

*Taxocrinus wetherbyi* Miller and Gurley, 1895 = *T. whitfieldi*

*Taxocrinus whitfieldi* (Hall, 1858). Miller, S. A., 1889, p. 286. Weller, S., 1898c, p. 627. Springer, 1920a, p. 382, Pl. 60, fig. 11 (only). Bassler and Moodey, 1943, p. 705. Moore and Laudon, 1944, p. 177, Pl. 69, fig. 6. Burdick and Strimple, 1973a, p. 277. Webster, 1973, p. 254. Webster, 1977, p. 166. Strimple, 1978c, p.

64, Fig. 1, no. 2. Chestnut and Etensohn, 1988, p. 52, Pl. 6, figs. 5-8. Webster, 1988, p. 300. Webster, 1993, p. 117.

- Forbesiocrinus whitfieldi* Hall, 1858c, p. 632, Fig. 104. Shumard, 1868, p. 372. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 705.
- Onychocrinus whitfieldi* (Hall, 1858). Meek and Worthen, 1873, p. 552, Pl. 20, fig. 3. Bassler and Moodey, 1943, p. 705.
- Forbesiocrinus cestriensis* Hall, 1859a, p. 68. Shumard, 1868, p. 371. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 278. Bassler and Moodey, 1943, p. 705. Burdick and Strimple, 1973a, p. 227. Webster, 1977, p. 166. Chestnut and Etensohn, 1988, p. 52. Webster, 1993, p. 117.
- Taxocrinus cestriensis* (Hall, 1858). Burdick and Strimple, 1973a, p. 227, Figs. 1, nos. A-E; 2, nos. B-E. Webster, 1977, p. 166. Chestnut and Etensohn, 1988, p. 52. Webster, 1993, p. 117.
- Forbesiocrinus parvus* Wetherby, 1879b, p. 138, Unnum. Pl., figs. 4a-4b. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 279. Bassler and Moodey, 1943, p. 705. Chestnut and Etensohn, 1988, p. 52. Webster, 1993, p. 117.
- Taxocrinus wetherbyi* Miller and Gurley, 1895a, p. 41, Pl. 4, figs. 3-5. Miller, S. A., 1897, p. 754, Figs. 1399-1400. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 705.
- Taxocrinus* sp. cf. *T. whitfieldi* (Hall, 1858). Burdick and Strimple, 1971a, p. 44, Pl. 7, fig. 24. Burdick and Strimple, 1973a, p. 277. Webster, 1977, p. 166. Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Pennington Formation; Fayetteville Formation, Beech Creek Limestone. United States, Illinois, Kentucky, Oklahoma, Illinois
- Taxocrinus* cf. *T. whitfieldi* (Hall, 1858). Burdick and Strimple, 1983a, p. 202, Pl. 25, figs. 3, 12, 14. Webster, 1988, p. 300. Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Taxocrinus* cf. *T. whitfieldi* (Hall, 1858). Wulff and Ausich, 1989, p. 658, Figs. 1-5. Webster, 1993, p. 117. Late Mississippian. United States
- Taxocrinus* sp. cf. *T. whitfieldi* (Hall, 1858). Burdick and Strimple, 1971 = *Taxocrinus cestriensis* = *T. whitfieldi*
- Taxocrinus* spp.
- Steinmann, 1908, p. 151, Fig. 76. Mississippian
- Steinmann, 1908, p. 151, Fig. 78, no. A. Devonian
- Steinmann, 1908, p. 153, Fig. 79, no. A. Mississippian
- Termier, G. and Termier, H., 1950, p. 92, Pl. 217, figs. 1-2. Webster, 1973, p. 254. Pennsylvanian, Westphalian. Algeria
- Termier, G. and Termier, H., 1950, p. 220, Pl. 218, figs. 40-45. Webster, 1973, p. 254.

- Pennsylvanian, Westphalian. Algeria  
Termier, G. and Termier, H., 1950, p. 230, Pl. 223, figs. 19-21. Webster, 1973, p. 254.
- Mississippian, Viséan. Algeria  
Ubaghs, 1953, p. 755, Fig. 15, no. g. Webster, 1973, p. 254.  
No age given  
Ubaghs *in* Moore and Teichert, 1978, p. T185, Fig. 155, nos. 6-8. Webster, 1988, p. 300.
- Mississippian. United States  
Strimple and Coney, 1982, p. 994, Pl. 2, figs. 1-5, 8-13. Webster, 1988, p. 300.  
Mississippian, Serpukhovian (early Chesterian), Newman Formation. United States, Tennessee  
Lane and Dubar, 1983, p. 121, Fig. 3, no. H. Webster, 1988, p. 300.  
Mississippian, Viséan (Osagean), Borden Formation, Nada Member. United States, Kentucky  
Burdick and Strimple, 1983a, p. 203. Webster, 1988, p. 300.  
Mississippian, Chesterian, Bangor Limestone. United States, Alabama  
Lane, N. G., 1986, p. 157, Figs. 2, 8. Webster, 1993, p. 117.  
Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana  
Gluchowski, 1993a, p. 46, Fig. 7, nos. K-L.  
Devonian, late Frasnian, Detrital Beds: Poland  
Bartels and Brassel, 1990, p. 170, Fig. 153. Bartels, Briggs, and Brassel, 1998, p. 185, Fig. 161.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach  
Bartels *et al.*, 1997, p. 40, Figs. 53-55.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach  
Webster and Hafley *in* Webster *et al.*, 1999, p. 475, Figs. 5.3, 5.6-5.7.  
Devonian, late Famennian, Dyer Formation, Broken Rib Member. United States, Colorado  
Lewis, Donovan, and Sawford, 2003, p. 315, Fig. 4, no. a.  
Mississippian, Viséan (Holkerian), Clifton Down Limestone. United Kingdom  
Lee, Ausich, and Kammer, 2005, p. 351.  
Mississippian, Viséan (middle Osagean) Nada Member, Borden Formation. United States, Kentucky  
Bohatý, 2006a, p. 408.  
*?Lecytocrinus* sp. Hauser, 1997. Bohatý, 2006a, p. 408.  
aff. *Lecytocrinus* Hauser, 1997. Bohatý, 2006a, p. 408.  
Devonian, early Givetian, Loogh formation. Germany  
Webster, Maples, and Yazdi, 2007, p. 1115, Fig. 5, no. 6.  
Mississippian, early Viséan, Mobarak Formation. Northern Iran
- ?Taxocrinus* sp. Jell and Jell, 1999, p. 230, Fig. 28, no. D.  
Devonian, late Frasnian, Virgin Hills Formation. Australia, Western Australia
- Taxocrinus* spp. ind.  
Remes, 1907, p. 95.  
Devonian: Czech Republic

Prokop and Petr, 1993b, p. 17, Pl. 8.

Devonian, Eifelian-Givetian boundary strata (most probably earliest Givetian).  
Czech Republic, Bohemia

Howell, 1995, p. 100, Pl. 5, figs. 1.

No age or locality given

Howell, 1995, p. 100, Pl. 5, figs. 3.

No age or locality given

Hauser, 2003, p. 56, Pl. 7, fig. 3.

Devonian, Frasnian, Neuville Formation. Belgium

*Taxocrinus* sp. indet. Schmidt, W. E., 1942, p. 189, Pl. 25, fig. 6. Webster, 1973, p. 254.

Devonian, Coblenzian. Germany

**TEBAGACRINUS** Termier and Termier, 1958 = **COENOCRINUS**

*Tebagacrinus solignaci* (Valette, 1934) = *Coenocrinus elegans*

**TECHNOCRINUS** Hall, 1861. \**Mariacrinus*; (*Technocrinus*) *andrewsi* (Hall), 1858.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Clonocrinindae

Hall, 1859a, p. 139. Shumard, 1868, p. 398. Zittel, 1880, p. 345, 372. Wachsmuth and Springer, 1881, p. 96 (270). Miller, S. A., 1889, p. 286. Wachsmuth and Springer, 1897, p. 304. Bather *in* Lankester, 1900, p. 163. Wachsmuth *in* Zittel, 1900, p. 147. Springer *in* Zittel, 1913, p. 191. Springer, 1921a, p. 3. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 705. Moore and Laudon, 1943b, p. 96. Moore and Laudon, 1944, p. 200. Ubaghs, 1953, p. 742. Webster, 1973, p. 255. Ubaghs *in* Moore and Teichert, 1978, p. T495. Webster, 1986, p. 300.

Named, currently recognized species based on cups or crowns: 6 species; 1

Silurian, Niagaran?, 5 Devonian, Pragian

Silurian, Niagaran; Devonian, Siegenian. United States

\**Technocrinus andrewsi* (Hall, 1859). Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286. Wachsmuth and Springer, 1897, p. 306, Pl. 24, fig. 3. Ohern, 1913, p. 251, Pl. 38, fig. 2. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 705. Moore and Laudon, 1944, p. 200, Pl. 74, fig. 8. Webster, 1973, p. 255. Ubaghs *in* Moore

and Teichert, 1978, p. T495, Fig. 298, no. 2. Webster, 1986, p. 301.

*Mariacrinus* (*Technocrinus*) *andrewsi* Hall, 1859b, p. 141, Pl. 86, figs. 1-4. Bassler and Moodey, 1943, p. 705.

Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland, West Virginia

*Technocrinus? lepidus* Ohern, 1913, p. 252, Pls. 37, figs. 3-5; 38, fig. 1; 39. Bassler and Moodey, 1943, p. 706.

Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, West Virginia

- Technocrinus niagarensis* Springer, 1921a, p. 14, Pl. 5, figs. 1-2. Bassler and Moodey, 1943, p. 706.  
Silurian, Niagaran, Bob Formation. United States, Tennessee
- Technocrinus sculptus* (Hall, 1859). Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286. Ohern, 1913, p. 250, Pl. 36, figs. 10-11. Bassler and Moodey, 1943, p. 706.  
*Mariacrinus (Technocrinus) sculptus* Hall, 1859b, p. 143, Pl. 86, figs. 13-14.  
Bassler and Moodey, 1943, p. 706.  
Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland
- Technocrinus spinulosus* (Hall, 1859). Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286. Miller, S. A., 1892a, p. 682. Ohern, 1913, p. 150, Pl. 36, figs. 1-2. Bassler and Moodey, 1943, p. 706.  
*Mariacrinus (Technocrinus) spinulosus* Hall, 1859b, p. 140. Hall, 1861d, Pl. 85, figs. 1-18. Bassler and Moodey, 1943, p. 706.  
Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland
- Technocrinus striatus* (Hall, 1859). Shumard, 1868, p. 398. Miller, S. A., 1889, p. 286. Ohern, 1913, p. 250, Pl. 36, figs. 8-9. Bassler and Moodey, 1943, p. 706.  
*Mariacrinus (Technocrinus) striatus* Hall, 1859b, p. 142. Hall, 1861d, Pl. 86, figs. 5-11. Bassler and Moodey, 1943, p. 706.  
Devonian, Pragian, Oriskany Group, Ridgeley Sandstone. United States, Maryland
- ?Tegmen of ?*Cleiocrinus* species Guensburg, 1984, p. 24, Pl. 1, figs. 22-24; Fig. 4. Webster, 1988, p. 158.  
Ordovician, Sandbian, Lebanon Limestone. United States, Tennessee
- Tegminal expansus* Moore, 1939. *Nomen vetitum*. Moore and Laudon, 1944, p. 209, Pl. 79, fig. 17 (tegmen plate). Devonshire, 1954, Pl. 2, figs. 11-13. Devonshire, 1955, Pl. 2, figs. 11-13. Webster, 1973, p. 276. Webster, 1977, p. 167.  
Pennsylvanian, Desmoinesian, Mineral Coal Cap; Pumpkin Creek Limestone.  
United States, Kansas, Oklahoma
- Tegminale? de *Platycrinus* sp. Termier, H. and Termier, G., 1950, p. 238, Pl. 227, figs. 25-26 (tegmen plate).  
Mississippian, Viséan. Morocco
- Tegminals Moore, 1939b, p. 170, Fig. 2, nos. 1, 11, 16, 18 (tegmen spine plates, 4 species).  
Mississippian, Viséan (Osagean) - Chesterian. United States
- TELEIOCRINUS** Wachsmuth and Springer, 1881. \**Actinocrinus umbrosus* Hall, 1858.



Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Wachsmuth and Springer, 1881, p. 96 (270). Miller, S. A., 1889, p. 286. Zittel, 1895,

p. 128. Wachsmuth and Springer, 1897, p. 626. Miller, S. A., 1897, p. 754.

Bather

*in* Lankester, 1900, p. 170. Grabau and Shimer, 1910, p. 527. Springer *in* Zittel, 1913, p. 191. Bassler, 1938, p. 181. Bassler and Moodey, 1943, p. 706. Moore and Laudon, 1943b, p. 93. Moore and Laudon, 1944, p. 193, Pl. 71, fig. 13.

Ubaghs, 1953, p. 739, Fig. 31. Arendt and Hecker, 1964, p. 96. Webster, 1973, p. 255. Macurda, 1974, p. 821, Figs. 1-2. Webster, 1977, p. 167. Haugh, 1978,

p.

163, Fig. 11, no. N. Bowsher *in* Moore and Teichert, 1978, p. T460. Webster and Lane, 1987, p. 12. Lane and Sevastopulo, 1987, p. 201. Webster, 1986, p. 301. Webster, 1993, p. 117.

*CALATHOCRINUS* Hall, 1861b (*non* von Meyer, 1847), p. 12. \**Actinocrinus*

(*Calathocrinus*) *erodus* Hall, 1861b. Shumard, 1868, p. 356. Miller, S. A., 1889,

p.

230. Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 706.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 1 Tournaisian, 3 Viséan

Mississippian, Viséan (Osagean). United States

Mississippian, Tournaisian, C1. Russia

*Teleiocrinus adolescens* Wachsmuth and Springer, 1897, p. 635, Pl. 59, fig. 4. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.

*Actinocrinus adolescens* (Wachsmuth and Springer, 1897). Miller, 1897, p. 730.

Mississippian, Viséan (Osagean), lower and upper parts of Burlington Limestone. United States, Iowa

*Teleiocrinus aegilops* Hall, 1854 = *Teleiocrinus umbrosus*

*Teleiocrinus aeglops* Hall, 1859 = *Teleiocrinus umbrosus*

*Teleiocrinus althea* (Hall, 1861) = *Teleiocrinus liratus*

*Teleiocrinus clivosus* Hall, 1861 = *Teleiocrinus umbrosus*

*Teleiocrinus erodus* Hall, 1861 = *Teleiocrinus umbrosus*

*Teleiocrinus insculptus* Hall, 1861 = *Teleiocrinus umbrosus*

*Teleiocrinus liratus* (Hall, 1859). Miller, S. A., 1889, p. 286. Keyes, 1894a, p. 191, Pl. 24, fig. 8. Wachsmuth and Springer, 1897, p. 633, Pl. 60, fig. 3. Weller, S., 1898c, p. 627. Grabau and Shimer, 1910, p. 528. Bassler and Moodey, 1943, p. 706. Macurda, 1974, p. 830. Haugh, 1975a, p. 480, Pls. 2, fig. 8; 3, fig. 9; 5,

- fig. 6. Ubaghs in Moore and Teichert, 1978, p. T201, Fig. 170, no. 3. Haugh and Bell, 1980a, p. 654, Fig. 2, no. C. Webster, 1986, p. 301.
- Actinocrinus liratus* Hall, 1859a, p. 1. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.
- Strotocrinus liratus* (Hall, 1859). Meek and Worthen, 1873, p. 355, Pl. 7, fig. 2. Lesley, 1889, p. 1137, Figs. 2a-4a. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.
- Teleiocrinus althea* (Hall, 1861). Wachsmuth and Springer, 1881, p. 148 (322). Miller, S. A., 1889, p. 286. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706. Macurda, 1974, p. 830. Burke, 1975a, p. 483, Pl. 1, fig. 7. Webster, 1986, p. 301.
- Actinocrinus (Calathocrinus) althea* Hall, 1861b, p. 13. Shumard, 1868, p. 342. Wachsmuth and Springer, 1897, p. 632, Pls. 60, fig. 4; 63, fig. 9. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.
- Actinocrinus althea* (Hall, 1861). Miller, S. A., 1889, p. 217.
- Actinocrinus (Strotocrinus) althea* Hall, 1861. Hall, 1872, Pl. 4, fig. 13. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.
- Actinocrinus subumbrosus* Hall, 1859a, p. 3. Shumard, 1868, p. 348. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 627. Bassler and Moodey, 1943, p. 706.
- Strotocrinus subumbrosus* (Hall, 1859). Wachsmuth and Springer, 1881, Pl. 18, fig. 2. Bassler and Moodey, 1943, p. 706.
- Teleiocrinus tenuiradiatus* (Hall, 1861). Wachsmuth and Springer, 1881, p. 149 (323). Miller, S. A., 1889, p. 286. Wachsmuth and Springer, 1897, p. 634, Pl. 59, figs. 5-6. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707. Macurda, 1974, p. 830. Webster, 1986, p. 301.
- Actinocrinus tenuiradiatus* Hall, 1861b, p. 12. Shumard, 1868, p. 349. Bigsby, 1868, p. 18. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Missouri, Illinois

*Teleiocrinus rudis* (Hall, 1859) = *Teleiocrinus umbrosus*

*Teleiocrinus rudis* Good, 1968 (non Hall, 1859) = *Teleiocrinus umbrosus*

*Teleiocrinus? sibiricus* Yakovlev in Yakovlev and Ivanov, 1956, p. 48, Pl. 18, fig. 3. Arendt and Hecker, 1964, p. 96, Pl. 14, fig. 13. Webster, 1973, p. 255. Mississippian, Tournaisian (C<sub>1</sub>). Russia, Kuznetz Basin

*Teleiocrinus tenuiradiatus* (Hall, 1861) = *Teleiocrinus liratus*

\**Teleiocrinus umbrosus* (Hall, 1858). Wachsmuth and Springer, 1881, p. 149 (323). Keyes, 1890a, Pl. 8, fig. 4. Wachsmuth and Springer, 1897, p. 628, Pls. 4, fig. 11; 5, figs. 3-4; 59, fig. 7; 60, figs. 2a-2d. Weller, S., 1898c, p. 628. Grabau and

- Shimer, 1910, p. 528, Fig. 1855. Wilson, H. E., 1916, p. 508, Pl. 1, figs. 1-6. Van Tuyl, 1925, p. 123, 131, Pl. 4, fig. 11. Bassler and Moodey, 1943, p. 707. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 5. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 1. Laudon, 1948, Pl. 3 (part). Spreng and Parks, 1953, p. 586, Fig. 1, no. i. Webster, 1973, p. 255. Macurda, 1974, p. 829. Brower, 1974b, p. 19, Fig. 13, nos. 1-3. Burke, 1975a, p. 483, Pls. 1, fig. 10; 2, fig. 11; 3, fig. 10. Webster, 1977, p. 167. Ubaghs *in* Moore and Teichert, 1978, p. T201, Fig. 170, no. 2. Brower *in* Moore and Teichert, 1978, p. T251, Fig. 201, nos. 1-3. Bowsher *in* Moore and Teichert, 1978, p. T460, Fig. 268, no. 1. Webster, 1986, p. 301. Gahn and Baumiller, 2006, p. 397, Fig. 1, no. B.
- Actinocrinus umbrosus* Hall, 1858c, p. 590, Pl. 11, figs. 3a-3b; Fig. 89. Shumard, 1868, p. 349. Quenstedt, 1876, p. 571, Pl. 110, fig. 28. Miller, S. A., 1889, p. 220. Weller, S., 1898c, p. 628. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707.
- Strotocrinus umbrosus* (Hall); Meek and Worthen, 1873, p. 149 (323). Miller, S. A., 1889, p. 284. Weller, 1898, p. 628. Bassler and Moodey, 1943, p. 707.
- Actinocrinites umbrosus* (Hall, 1858). Weller, S., 1898c, p. 628.
- Actinocrinites delicatus* Meek and Worthen, 1870a, p. 156. Meek and Worthen, 1873, p. 343, Pl. 8, fig. 2. Meek, 1874, p. 192. Bassler and Moodey, 1943, p. 707.
- Actinocrinus delicatus* (Meek and Worthen, 1870). Meek, 1874, p. 192. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 628.
- Actinocrinus aeglops* Hall, 1859a, p. 5, Unnum. Fig. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707.
- Teleiocrinus aeglops* (Hall, 1859). Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707.
- Teleiocrinus aegilops* (Hall, 1859). Shumard, 1868, p. 341(sic). Miller, S. A., 1889, p. 217, 286 (sic).
- Strotocrinus aegilops* (Hall, 1859). Miller, S. A., 1897, p. 753 (sic).
- Teleocrinus aegilops* (Hall, 1859). Whitfield, 1893b, p. 21, Pl. 2, figs. 27-28 (sic).
- Teleiocrinus rudis* Good, 1968 (*non* Hall, 1858), Pl. 1, fig. 7. Webster, 1977, p. 167.
- Teleiocrinus rudis* (Hall, 1859). Wachsmuth and Springer, 1881, p. 149 (323), Pl. 19, fig. 11. Miller, S. A., 1889, p. 286. Wachsmuth and Springer, 1897, p. 630, Pls. 5, fig. 1; 6; 59, figs. 1-3. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707. Moore and Laudon, 1943b, p. 140, Pl. 11, fig. 6. Moore and Laudon, 1944, p. 193, Pl. 77, fig. 11. Laudon, 1948, Pl. 3 (part). Webster, 1973, p. 255. Macurda, 1974, p. 829. Burke, 1975a, p. 483, Pls. 1, fig. 5; 5, fig. 9. Haugh, 1975b, p. 269, Figs. 5, no. 7; 6, no. 6; 7, no. D. Webster, 1977, p. 167. Ubaghs *in* Moore and Teichert, 1978, p. T195, Fig. 164, no. 5. Webster, 1986, p. 301.
- Actinocrinus rudis* Hall, 1859a, p. 33. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707.
- Actinocrinus clivosus* Hall, 1861a, p. 274. Hall, 1861c, p. 274. Shumard, 1868, p. 350. Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 628. Bassler and Moodey, 1943, p. 707.
- Teleiocrinus clivosus* (Hall, 1861). Miller, S. A., 1889, p. 286.

*Actinocrinus (Calathocrinus) erodus* Hall, 1861b, p. 12. Shumard, 1868, p. 344.  
Miller, S. A., 1889, p. 218. Bassler, 1938, p. 56. Bassler and Moodey, 1943, p. 707.

*Teleiocrinus erodus* (Hall, 1861). Miller, S. A., 1889, p. 286.

*Actinocrinus erodus* Hall, 1861. Weller, S., 1898c, p. 628.

*Actinocrinus (Calathocrinus) insculptus* Hall, 1861b, p. 12. Shumard, 1868, p. 344.  
Bassler and Moodey, 1943, p. 707.

*Teleiocrinus insculptus* (Hall, 1861). Miller, S. A., 1889, p. 286.

*Actinocrinus insculptus* Hall, 1861. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 628.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Teleiocrinus* spp.

Ubaghs, 1953, p. 739, Fig. 31. Webster, 1973, p. 255.

Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa

Ubaghs *in* Moore and Teichert, 1978, p. T704. Webster, 1986, p. 301.

Mississippian. United States, Iowa

*Teleocrinus aegilops* (Hall, 1859) = *Teleiocrinus umbrosus*

**TELIKOSOCRINUS** Strimple, 1951. \**T. caespes* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Hydreionocrinoidea, F. Hydreionocrinidae

Strimple, 1951e, p. 260. Webster, 1973, p. 255. Moore and Strimple *in* Moore and Teichert, 1978, p. T704. Burdick and Strimple, 1983a, p. 84. Webster, 1986, p. 301. Webster, 1988, p. 158. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 117.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

\**Telikosocrinus caespes* Strimple, 1951e, p. 260, Figs. 1-4. Webster, 1973, p. 255.

Moore and Strimple *in* Moore and Teichert, 1978, p. T704, Fig. 462, no. 4a.

Burdick and Strimple, 1983a, p. 85, Pl. 7, figs. 5, 8, 13, 16. Webster, 1986, p. 302. Webster, 1988, p. 158.

Mississippian, Serpukhovian (Chesterian), Pitkin Formation. United States, Oklahoma

*Telikosocrinus* aff. \**T. caespes* Strimple, 1951. Burdick and Strimple, 1983a, p. 85,

Pl. 7, figs. 2-4, 11, 15. Webster, 1988, p. 158.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama

*Telikosocrinus residuus* Strimple, 1951e, p. 262, Fig. 13. Webster, 1973, p. 255. Moore and Strimple *in* Moore and Teichert, 1978, p. T704, Fig. 462, no. 4b. Webster, 1986, p. 302.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States, Oklahoma

**TEMNOCRINUS** Springer, 1902. \**Cyathocrinites tuberculatus* Miller, 1821.  
 Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae  
 Springer, 1902, p. 94. Springer, 1906, p. 518. Springer *in* Zittel, 1913, p. 204. Springer, 1920a, p. 205. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707. Moore and Laudon, 1943b, p. 73. Ubaghs, 1953, p. 755. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 255. Webster, 1977, p. 167. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 506, no. 5c; 507, no. 4c; 510, no. 1a. Webster, 1986, p. 302. Donovan et al., 2010, p. 121.  
 Named, currently recognized species based on cups or crowns: 1 Silurian, Wenlockian species  
 Silurian, Wenlockian. United Kingdom

\**Temnocrinus tuberculatus* (Miller, 1821). Springer, 1902, p. 94. Springer, 1906, p. 492, Pl. 7, fig. 15. Springer, 1920a, p. 209, Pl. 16, figs. 1-15. Bassler and Moodey, 1943, p. 707. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 541, no. 5; 543, no. 6. Webster, 1986, p. 302. Donovan et al., 2007, p. 48, Figs. 7, no. F; 8, nos. A-B. Donovan et al., 2008b, p. 336, Fig. 15.2, no. 9. Donovan, 2009, p. 157, Figs. 1-2. Donovan et al., 2010, p. 122, Pls. 33, figs. 1-2; 34, figs. 1-2; 35, figs. 1-4; Figs. 54; 55, nos. A-C.  
*Cyathocrinites tuberculatus* Miller, J. S., 1821, p. 88, Unnum. Pl., fig. 1 only. Goldfuss, 1831, p. 190, Pl. 58, fig. 6A-6B. Phillips *in* Murchison, 1839, p. 671, Pl. 18, fig. 7. Roemer, C. F., 1851b, 236, Pl. 4, figs. 16a-16b. Quenstedt, 1885, p. 944, Pl. 75, figs. 8-11. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707. Lane, N. G., 1967a, p. 237. China, 1970, p. 70.  
 Silurian, Wenlockian, Homeric, Much Wenlock Limestone Formation. United Kingdom, Shropshire

**TENAGOCRINUS** Wanner, 1929. \**Embryocrinus sulcatus* Wanner, 1916.  
 Sbc. Cladida, O. Cyathocrinida, Spf. Codiocrinoidea, F. Codiocrinidae  
 Wanner, 1929, p. 39. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707. Moore and Laudon, 1943b, p. 50. Yakovlev, 1947d, p. 44, Fig. 7. Branson, 1948, p. 215. Yakovlev, 1956a, p. 80, Fig. 27. Yakovlev, 1958, p. 65, Fig. 27. Yakovlev, 1964a, p. 75, Fig. 29. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 148. Webster, 1973, p. 255. Webster, 1977, p. 167. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1986, p. 302. Ausich, 1988, p. 913, Fig. 2, no. 8. Webster, 1993, p. 118.  
 Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain  
 Permian, series uncertain. West Timor

\**Tenagocrinus sulcatus* (Wanner, 1916). Wanner, 1929, p. 49, Pl. 2, figs. 7-14; Figs. 3, 4. Bassler and Moodey, 1943, p. 707. Branson, 1948, p. 215. Ubaghs, 1953,

p. 672, Fig. 10, nos. e-f. Yakovlev, 1964b, p. 56, Fig. 55. Arendt, 1970a, p. 148, Fig. 36. Arendt, 1971a, p. 168, Figs. 4-5. Webster, 1973, p. 255. Webster, 1977, p. 167. Ubaghs *in* Moore and Teichert, 1978, p. T178, Fig. 148, nos. 6, 7. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Fig. 385, no. 10. Webster, 1986, p. +302.

*Embryocrinus sulcatus* Wanner, 1916, p. 141, Pl. 111 (16), fig. 17. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707. Branson, 1948, p. 215.

Permian, series uncertain. West Timor, Koeafeoe

*TENAROCRINUS* Wachsmuth *in* Zittel, 1900 = ***THENAROCRINUS***

***TENUICRINUS*** Kallmeyer and Donovan, 1998. \**T. longibasalis* Kallmeyer and Donovan, 1998.

Sbc. Disparida, O Homocrinida. Sbo. Cincinnaticrinida, F. Cincinnaticrinidae  
Kallmeyer and Donovan, 1998, p. 28.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species  
Ordovician, Katian (Edenian). United States, Kentucky

\**Tenuicrinus longibasalis* Kallmeyer and Donovan, 1998, p. 35, Figs. 1, 2, 6, nos. B-C.  
Ordovician, Katian (Edenian), Kope Formation. United States, Kentucky

***TERATOCRINUS*** Wanner, 1924 \**T. spathulifer* Wanner, 1924.

Unclassified, disarticulated ossicles.

Wanner, 1924, p. 316. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 707.  
Branson, 1948, p. 215. Webster, 1973, p. 255. Jeffords *in* Moore and Teichert,  
1978, p. 935.

Named, currently recognized species based on cups or crowns: 3 Permian species,  
series uncertain  
Permian, series uncertain. West Timor

*Teratocrinus(?) bulbosus* Wanner, 1940, p. 238, Pl. 18, figs. 40-41; Figs. 19-22.  
Branson, 1948, p. 215.

Permian, series uncertain. West Timor

\**Teratocrinus spathulifer* Wanner, 1924, p. 316, Pl. 21, figs. 12-31. Bassler, 1938, p. 182. Wanner, 1940, p. 236, Figs. 12-18. Bassler and Moodey, 1943, p. 708.  
Branson, 1948, p. 216. Sieverts-Doreck, 1962, p. 109, Fig. 2. Webster, 1973, p. 256. (Possibly tegmen plates of *Timorechinus*, GDW)

Permian, series uncertain. West Timor, Basleo

*Teratocrinus(?) triangulatus* Wanner, 1940, p. 237, Pl. 18, figs. 35-39. Branson, 1948, p. 216. (Possibly tegmen plates of *Timorechinus*, GDW)

Permian, series uncertain. West Timor

Terminal dendritic radice holdfasts Donovan, Harper, and Hakansson, 2007, p. 314, Figs. 1-4.

Silurian, Wenlockian, Klinteberg Formation. Sweden, Gotland

**TERPNOCRINUS** Strimple and Moore, 1971. \**T. ocoyaensis* Strimple and Moore, 1971.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Anobasicrinidae

Strimple and Moore, 1971a, p. 23. Pabian and Strimple, 1974b, p. 48. Webster, 1977, p. 167. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680. Pabian and Strimple, 1980, p. 171. Webster, 1986, p. 302. Pabian and Strimple, 1993, p. 37.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian species, 1 Missourian, 1 Missourian - ?Virgilian species

Pennsylvanian, Missourian - ?Virgilian. United States, Illinois

*Terpnocrinus ellipticus* Pabian and Strimple, 1974b, p. 49, Figs. 19, no. 3; 20-29; 30, no. 1. Pabian and Strimple, 1980a, p. 171, Fig. 6, nos. G-I. Webster, 1986, p. 302. Pabian and Strimple, 1993, p. 38, Figs. 16, nos. a-c; 20, nos. c-d.

Pennsylvanian, Missourian, ?Virgilian, Argentine Limestone; Kiewitz Shale; Stanton Formation, Stoner Limestone Member; Wann Formation; Graford Formation, Wolf Mountain Shale Member; South Bend Limestone. United States, Texas, Oklahoma, Kansas, Nebraska, Iowa

\**Terpnocrinus ocoyaensis* Strimple and Moore, 1971a, p. 24, Pl. 14, figs. 1a-1d; Fig. 8. Pabian and Strimple, 1974b, p. 51, Figs. 19, nos. 1, 2; 30, nos. 2-6. Webster, 1977, p. 167. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T680, Fig. 449, no. 3. Webster, 1986, p. 303.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member. United States, Illinois

**TETRABRACHIOCRINUS** Yakovlev, 1934. \**T. fabianii* Yakovlev, 1934.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Lophocrinoidea, F. Laudonocrinidae

Yakovlev, 1934, p. 276. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 708. Moore and Laudon, 1943b, p. 55. Branson, 1948, p. 196. Webster, 1973, p. 256. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661, Fig. 433, no. 1e. Lane, N. G., 1979, p. 130. Webster, 1986, p. 303. Webster, 1990, p. 64. Webster, 1993, p. 118. Webster and Maples, 2006, p. 192, Fig. 2, no. B.

**HETEROBRACHIOCRINUS** Yakovlev, 1938. Branson, 1948, p. 216. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661. Lane, N. G., 1979, p. 130. Webster, 1986, p. 303.

ø*MUSIVOCRINUS* Termier, H. and Termier, G., 1958, p. 36. \**M. arnouldi* Termier and Termier, 1958. Jeffords *in* Moore and Teichert, 1978, p. T934. Lane, N. G., 1979, p. 130. Webster, 1986, p. 303, 368.

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. Tunisia, Sicily

\**Tetrabrachiocrinus fabianii* Yakovlev, 1934, p. 276, Pl. 19, figs. 7-12. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 708. Moore, Strimple, and Lane *in* Moore and Teichert, 1978, p. T661, Fig. 433, nos. 1a-1d. Lane, N. G., 1979, p. 130, Pl. 1, figs. 13-19; Fig. 1, nos. B, D-E, G. Webster, 1986, p. 303.  
*Heterobrachiocrinus fabianii* (Yakovlev, 1934). Branson, 1948, p. 216.  
 Permian, Wordian. Tunisia, Sicily

*Tetrabrachiocrinus* sp.

*Musivocrinus* sp. Ubaghs *in* Moore and Teichert, 1978, p. T88, Fig. 63, no. 3.  
 Webster, 1986, p. 303.  
 Permian, Wordian. Tunisia

**TETRACIONOCRINUS** Ubaghs, 1971. \**Perittocrinus transitor* Jaekel, 1918.

Sbc. Aethocrinea, O. Aethocrinida, F. Perittocrinidae  
 Ubaghs, 1971, p. 333, Fig. 3, no. b. Webster, 1977, p. 167. Sprinkle and Lane *in* Moore and Teichert, 1978, p. T563. Webster, 1986, p. 303. Rozhnov, 1988, p. 67. Webster, 1988, p. 158. Rozhnov, 1989, p. 62. Webster, 1993, p. 118.  
 Ausich, 1998a, p. 508.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Dapingian species  
 Ordovician, Dapingian. Russia

\**Tetracionocrinus transitor* (Jaekel, 1918). Ubaghs, 1971, p. 333, Pl. 2, figs. 2-3; Figs. 1, no. c; 2, nos. a-h. Webster, 1977, p. 167. Ubaghs *in* Moore and Teichert, 1978, p. T129, Fig. 100, nos. 1-3. Sprinkle and Lane *in* Moore and Teichert, 1978, p. T563, Fig. 357, no. 1. Arendt and Stupachenko, 1983, p. 69. Arendt and Stupachenko, 1984, p. 71. Webster, 1986, p. 303. Donovan, 1988c, p. 237. Webster, 1988, p. 158. Webster, 1993, p. 118. Ausich, 1998a, p. 508, Fig. 8, no. 2. Rozhnov, 2007a, p. 266, Fig. 4, upper middle. Rozhnov, 2002, p. S548, Fig. 20, nos. b-j (diagramatic).

*Perittocrinus transitor* Jaekel, 1918, p. 49, Fig. 37. Abel, 1920, p. 261, Fig. 405.  
 Bassler and Moodey, 1943, p. 604. Ubaghs, 1971, p. 333. Webster, 1977, p. 168.

Ordovician, Dapingian, Kunda Limestone. Russia, Baltic region

**TETRACRINITES** Austin and Austin, 1842 = **TETRAMEROCRINITES**

*Tetracrinites formosus* Austin and Austin, 1842 = *Tetramerocrinites formosus*

**TETRACRINUS** Bather, 1900 = **TETRACRINITES** = **TETRAMEROCRINITES**

**TETRAGONOCRINUS** Yeltyschewa, 1964. \**Goniaster pygmaeus* Eichwald, 1860.

Sbc. Disparida, O. Tetragonocrinida, F. Tetragonocrinidae  
 Yeltyschewa, 1964, p. 65. Jeffords *in* Moore and Teichert, 1978, p. 935 (based on disarticulated ossicles). Arendt, 1985b, p. 702. Rozhnov, 1988, p. 69. Webster, 1988, p. 158. Rozhnov, 1989, p. 63. Webster, 1993, p. 118. Ausich, 1998b, p. 36. Rozhnov, 2002, p. S529, Fig. 4, nos. a-i.



Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Dapingian – Darriwilian species  
Ordovician, Dapingian – Darriwilian (Arenigian). Estonia

\**Tetragonocrinus pygmaeus* (Eichwald, 1860). Arendt, 1985b, p. 702, Fig. 1.  
Donovan, 1988c, p. 237. Rozhnov, 1988, p. 74, Pl. 6, figs. 1-10; Fig. 1, nos.  
a-i. Webster, 1988, p. 158. Rozhnov, 1989, p. 68, Pl. 6, figs. 1-10; Fig. 1, nos. a-  
i. Webster, 1993, p. 118.  
Ordovician, Dapingian – Darriwilian (Arenigian – Llanvirnian), Volkhov Horizon,  
Kunda Horizon. Estonia

**TETRAGONOPTERUM** Moore, 1939. *Nomen vetitum* \**Phanocrinus formosus*  
Worthen, 1873.

Moore, 1939b, p. 246. Jeffords *in* Moore and Teichert, 1978, p. T937. (brachial  
plates)  
Mississippian, Serpukhovian (Chesterian). United States, Kentucky

\**Tetragonopterum formosus* (Worthen, 1873) = *Phanocrinus formosus* = *P. maniformis*

**TETRAMEROCRINITES** Austin and Austin, 1842. \**Tetramerocrinites simplex* Austin  
and Austin, 1842.

Sbc. Camerata, O. Monobathrida, Sbo. Composcrinina, Spf. Periechocrinoidea, F.  
Actinocrinitidae

Austin and Austin, 1842, p. 110. Austin and Austin, 1843, p. 203. Bronn, 1843, p.  
1261. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 708. Wright, J.,  
1955b, p. 258. Webster, 1973, p. 256. Ubaghs *in* Moore and Teichert, 1978, p.  
T519 (abnormal actinocrinitid). Webster, 1986, p. 303.

**TETRAMEROCRINUS** Zittel, 1880, p. 380. Bather *in* Lankester, 1900, p. 204.

Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 708. Ubaghs *in* Moore  
and Teichert, 1978, p. T519.

**TETRACRINITES** Austin and Austin, 1842, p. 110. \**T. formosus* Austin and Austin,  
1842. Bronn, 1848, p. 1260. Bassler, 1938, p. 182. Bassler and Moodey, 1943,  
p.

708. Ubaghs *in* Moore and Teichert, 1978, p. T519.

**TETRACRINUS** Bronn, 1848, p. 1260. Bigsby, 1868, p. 23. Bather *in* Lankester,  
1900, p. 203. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p. 708.

Named, currently recognized species based on cups or crowns: 2 Mississippian,  
Tournaisian species

Mississippian, Tournaisian: Ireland

*Tetramerocrinites formosus* Austin and Austin, 1843. Wright, J., 1955b, p. 258, Pl. 80,  
fig. 17; Fig. 126. Webster, 1973, p. 256. Ubaghs *in* Moore and Teichert, 1978,  
p. T519, Fig. 319, no. 3. Webster, 1986, p. 304. Ausich and Sevastopulo, 2001,  
p. 43, Pl. 6, fig. 14.

*Tetracrinites formosus* Austin and Austin, 1842, p. 110 (*nomen nudum*). Austin and  
Austin, 1843, p. 203 (as *Tetramerocrinites*). Bassler, 1938, p. 182. Bassler and  
Moodey, 1943, p. 708.

*Tetramerocrinus formosus* (Austin and Austin, 1843). Bronn, 1848, p. 1261.  
Biggsby, 1868, p. 23.  
Mississippian, Tournaisian. Ireland

\**Tetramerocrinites simplex* Austin and Austin, 1842, p. 110 (*nomen nudum*) Austin and Austin, 1843, p. 203 (given as *T. formosus*). Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 708.  
Mississippian, Tournaisian. Ireland

**TETRAMEROCRINUS** Bather, 1900 = **TETRAMEROCRINITES**

*Tetramerocrinus formosus* (Austin and Austin, 1843) = *Tetramerocrinites formosus*

**TETRANOBASIS** Moore, 1939. *Nomen vetitum* \**Mariacrinus nobilissimus* Hall, 1859. Moore, 1939b, p. 202. Jeffords *in* Moore and Teichert, 1978, p. T937. (Basal or infrabasal circlets)  
Early Devonian. United States, New York

\**Tetranobasis nobilissima* (Hall, 1959) = *Ctenocrinus nobilissimus*

**TETRAPLEUROCRINUS** Wanner, 1942. \**T. eifelensis* Wanner, 1942.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
Wanner, 1942a, p. 28. Webster, 1973, p. 256. Webster, 1977, p. 168. Ubaghs *in* Moore and Teichert, 1978, p. T138, Fig. 110, no. 1. Lane and Moore *in* Moore and Teichert, 1978, p. T585. Webster, 1986, p. 304. Webster, 1988, p. 158. Hauser, 1997, p. 29, Fig. 9. Hauser, 2001, p. 1004, Fig. 87. Bohatý, 2006a, p. 408.

?**SCOLIOCRINUS** Jaekel, 1895. Bohatý, 2006a, p. 411.

**Note:** *Scoliocrinus eremita* 1895, has priority over *Tetrapleurocrinus* 1942. GDW, 2010.

Named, currently recognized species based on cups or crowns: 1 Devonian, Eifelian - Givetian species  
Devonian, Eifelian - Givetian. Germany

\**Tetrapleurocrinus eifelensis* Wanner, 1942a, p. 28, Pl. 1, figs. 1a-1c, 2a-2e; Figs. 2-3. Wanner, 1943, p. 37, Unnum. Fig. p. 37. Webster, 1973, p. 256. Webster, 1977, p. 168. Prick, 1983, p. 233. Webster, 1988, p. 158. Hauser, 1997, p. 29, Pls. 58, figs. 1-9; 59, figs. 1-2. Hauser, 2001, p. 25, 104, Pl. 19, figs. 2-2a; Figs. 88-89 (misspelled as *Terapleurocrinus eifelensis* p. 25). Bohatý, 2006a, p. 411, Figs. 4; 5, nos. 1-5; 6, nos. 1-2.

?*Scolioicrinus eremita* Jaekel, 1895. Bohatý, 2006a, p. 411. (Note. *Scoliocrinus eremita* 1895, has priority over *Tetrapleurocrinus eifelensis* 1942. GDW)  
Devonian, Givetian, Loogh Formation, Hustley Member. Germany

Texacrinidae? sp. Webster et al., 2009, p. 38, Pl. 2, figs. 1-2.  
Permian, Sakmarian, Saiwan Formation. Oman

**TEXACRINUS** Moore and Plummer, 1940. \**T. gracilis* Moore and Plummer, 1940.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Texacrinoidea, F.  
Texacrinidae

Moore and Plummer, 1940, p. 143. Bassler and Moodey, 1943, p. 708. Moore and Laudon, 1943b, p. 56. Arendt and Hecker, 1964, p. 88. Knapp, 1969, p. 381, Fig. 1. Strimple and Watkins, 1969, p. 174. Strimple and Moore, 1971b, p. 18. Webster, 1973, p. 256. Webster, 1977, p. 168. Moore and Strimple *in* Moore and Teichert, 1978, p. T737. Webster, 1986, p. 304. Jell and Willink, 1993, p. 311. Chen and Yao, 1993, p. 67, Fig. 44.

**SKAIOCRINUS** Webster, 1990, p. 65. \**S. granulosus* Webster, 1990. Webster, 1993, p. 110. Jell and Willink, 1993, p. 311.

Named, currently recognized species based on cups or crowns: 15 species. 1 Mississippian, Tournaisian; 8 Pennsylvanian, 3 Desmoinesian, 4 Missourian, 1 Virgilian; 6 Permian, 2 late Sakmarian or early Artinskian, 2 Artinskian, 1 Wolfcampian, 1 Wuchiapingian

Mississippian, Tournaisian. China, Yunnan

Pennsylvanian, Desmoinesian - Permian, middle Wolfcampian. United States, Texas, Oklahoma, Nevada

Permian, late Sakmarian or early Artinskian. Oman

Permian, Artinskian - Wuchiapingian. Australia

*Texacrinus associatus* Strimple, 1952c, p. 219, Figs. 1-4. Knapp, 1969, p. 381.

Webster, 1973, p. 256. Webster, 1977, p. 168. Moore and Strimple *in* Moore and Teichert, 1978, p. T737, Fig. 487, nos. 1a-1d. Webster, 1986, p. 304. Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma

*Texacrinus compactus* Strimple, 1952c, p. 219, Figs. 10-11, 16. Knapp, 1969, p. 381.

Strimple and Moore, 1971b, p. 18. Webster, 1973, p. 256. Webster, 1977, p. 168.

Pennsylvanian, Missourian, Francis Formation. United States, Oklahoma

*Texacrinus coniformis* Strimple, 1961g, p. 95, Pls. 1, figs. 1-3; 16, fig. 6. Knapp, 1969,

p. 381. Webster, 1973, p. 256. Webster, 1977, p. 168.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Texacrinus discoides* Chen and Yao, 1993 = *Separocrinus discoides*

*Texacrinus distortus* Webster and Lane, 1967, p. 19, Pls. 4, figs. 7, 9; 7, figs. 1, 5.

Webster, 1973, p. 256.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

*Texacrinus gascoynensis* Webster and Jell, 1992, p. 347, Fig. 17, nos. A-D.

Permian, Artinskian, Cundlego or Wandagee Formation. Australia, Western Australia, Carnarvon Basin

*Texacrinus goochensis* Webster and Jell, 1992, 343, Fig. 16.

Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin

\**Texacrinus gracilis* Moore and Plummer, 1940, p. 144, Pls. 15, fig. 4; 21, fig. 5; Fig. 22. Bassler and Moodey, 1943, p. 708. Knapp, 1969, p. 381. Webster, 1977, p. 168. Moore and Strimple *in* Moore and Teichert, 1978, p. T737, Fig. 487, nos. 1e, 1f. Webster, 1986, p. 304.  
Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Limestone Member. United States, Texas

*Texacrinus granulosis* (Webster, 1990). New Combination  
*Skaiocrinus granulosis* Webster, 1990, p. 66, Pl. 2, figs. 15-17. Webster and Jell, 1992, p. 351, Fig. 19. Webster, 1993, p. 110.  
Permian, Artinskian, Wandagee Formation. Australia, Western Australia

*Texacrinus hardmanensis* Webster and Jell, 1992, p. 347, Fig. 17, nos. E-G.  
Permian, Wuchapingian, Hardman Formation, Cherrabun Member. Australia, Western Australia, Canning Basin

*Texacrinus haushiensis* Jell and Willink, 1993, p. 311, Figs. 5-7. Webster et al., 2009, p. 36, Pl. 1, figs. 16-20.  
Permian, late Sakmarian or early Artinskian, lower part of Gharif Formation. Oman

*Texacrinus interruptus* Strimple, 1952c, p. 216, Fig. 8. Strimple and Moore, 1971b, p. 18. Webster, 1973, p. 256. Webster, 1977, p. 168.  
Pennsylvanian, Missourian, Francis Formation. United States, Oklahoma

*Texacrinus irradiatus* Strimple, 1952c, p. 218, Figs. 9, 12-15. Knapp, 1969, p. 381. Strimple and Moore, 1971b, p. 18, Figs. 5, no. 3; 6, no. 2; 10, no. 3. Webster, 1973, p. 256. Webster, 1977, p. 168.  
Pennsylvanian, Missourian, Francis Formation. United States, Oklahoma

*Texacrinus phialoides* Chen and Yao, 1993 = "*Texacrinus phialoides*"

"*Texacrinus*" *phialoides* Chen and Yao, 1993. Webster, Waters, and Chen, 2009, p. 155, Fig. 10, nos. i-l.  
*Texacrinus phialoides* Chen and Yao, 1993, p. 67, Pl. 12, fig. 8; Fig. 45, nos. a-b. Webster, Waters, and Chen, 2009, p. 155.  
Mississippian, Tournaisian, Yudong Formation. China, Yunnan Province

*Texacrinus progressus* Strimple, 1952c, p. 219, Figs. 5-7. Knapp, 1969, p. 381. Webster, 1973, p. 256. Webster, 1977, p. 168.  
Pennsylvanian, Virgilian, Nelagony Formation. United States, Oklahoma

*Texacrinus uddeni* (Moore and Plummer, 1940). Strimple, 1961g, p. 94. Knapp, 1969, p. 381. Webster, 1973, p. 256. Webster, 1977, p. 168.

*Pachylocrinus uddeni* Moore and Plummer, 1940, p. 138, Pl. 4, fig. 8; Fig. 20.  
 Bassler and Moodey, 1943, p. 584. Moore and Laudon, 1943b, p. 58. Moore and  
 Laudon, 1944, p. 161, Pl. 63, Fig. 18. Webster, 1973, p. 256.  
 Pennsylvanian, Missourian, Mineral Wells Formation, Keechi Creek Shale.  
 United States, Texas

*Texacrinus* sp. Webster et al., 2009, p. 36, Pl. 2, fig. 3.  
 Permian, Sakmarian, Saiwan Formation. Oman

**THAEROCRINUS** Eckert and Brett, 2001. \**Thaerocrinus crenatus* Eckert and Brett,  
 2001.

Sbcl. Disparida, Spf. Calceocrinoidea, F. Calceocrinidae  
 Eckert and Brett, 2001, p. 36.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
 Llandoveryian species

Silurian, middle Llandoveryian. United States, New York

\**Thaerocrinus crenatus* Eckert and Brett, 2001, p. 37, Pl. 1, figs. 5-8, 16-18, 21, 23; Fig.  
 12, nos. A-B.

Silurian, middle Llandoveryian, Reynales Formation, Hickory Corners Member.  
 United

States, New York

**THALAMOCRINUS** Miller and Gurley, 1895. \**T. ovatus* Miller and Gurley, 1895.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Thalamocrinidae  
 Miller and Gurley, 1895b, p. 81. Miller, S. A., 1897, p. 754. Bassler, 1915, p. 1272.

Springer, 1926a, p. 131. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p.  
 708. Moore and Laudon, 1943b, p. 50. Moore and Laudon, 1944, p. 153.

Ubaghs, 1953, p. 750. Xu, 1962, p. 45, Fig. 1. Webster, 1973, p. 256. Strimple,  
 1975g, p. T519. Lane and Moore *in* Moore and Teichert, 1978, p. T588. Strimple,  
 1981b, p. 117. Webster, 1986, p. 304. Ausich, 1987b, p. 573. McIntosh and Brett,  
 1988, p. 2. Webster, 1988, p. 158. Webster, 1993, p. 118. Jell and Theron,

1999,

p. 146.

Named, currently recognized species based on cups or crowns: 7 species. Silurian,  
 4 Niagaran; 2 Silurian – Niagaran Ludlovian – Devonian, Lochkovian; 1  
 Devonian, Emsian

Silurian, Niagaran - Devonian, Lochkovian. North America

Devonian, Emsian. South Africa

*Thalamocrinus arenaceus* Jell and Theron, 1999, p. 146, Fig. 28, nos. A-F.  
 Devonian, Emsian, Gamka Formation. South Africa

*Thalamocrinus cylindicus* Miller and Gurley, 1895 = *Thalamocrinus strimplei*

*Thalamocrinus elongatus* Springer, 1926a, p. 132, Pl. 26, fig. 11. Bassler and  
 Moodey, 1943, p. 708. Strimple, 1963d, p. 66, Pl. 3, fig. 5. Webster, 1973, p.

256. Strimple, 1975g, p. 250. Webster, 1986, p. 304. McIntosh and Brett, 1988, p. 3. Webster, 1993, p. 118. Clement and Broadhead, 1994, p. 47.  
Silurian - Devonian, Niagaran - Lochkovian, Brownsport Formation, Beech River Member; Ross Formation, Rockhouse and Birdsong Members; Henryhouse Formation. United States, Tennessee, Oklahoma
- Thalamocrinus* cf. *elongatus* Springer, 1926. Strimple, 1981b, p. 117, Fig. 1. Webster, 1988, p. 158.  
Silurian, Ludlovian, Henryhouse Formation. United States, Oklahoma
- Thalamocrinus globosus* Springer, 1926a, p. 132, Pl. 26, figs. 10-10b. Bassler and Moodey, 1943, p. 709. Strimple, 1975g, p. 249. Webster, 1986, p. 304. McIntosh and Brett, 1988, p. 7. Webster, 1993, p. 118.  
Silurian, Niagaran, Brownsport Formation, Beech River Member. United States, Tennessee
- Thalamocrinus ovalis* (Rowley, 1904). Ausich, 1987b, p. 574, Fig. 2, nos. 20-21. McIntosh and Brett, 1988, p. 8, Pl. 2, figs. 9-10. Webster, 1993, p. 119.  
*Cyathocrinus? ovalis* Rowley, R. R., 1904d, p. 271, Pl. 16, figs. 13-16. Bassler, 1915, p. 317. Bassler and Moodey, 1943, p. 394. Ausich, 1987b, p. 574. Webster, 1993, p. 119.  
*Cyathocrinites ovalis* (Rowley, 1904). Bassler and Moodey, 1943, p. 394. Ausich, 1987b, p. 574. Webster, 1993, p. 119.  
*Lasiocrinus ovalis* (Rowley, 1904). Ausich, 1987b, p. 574. Webster, 1993, p. 119.  
Silurian, Niagaran, Brownsport Formation, Beech River Member. United States, Tennessee
- \**Thalamocrinus ovatus* Miller and Gurley, 1895b, p. 82, Pl. 5, figs. 29-31. Miller, S. A., 1897, p. 754, Fig. 1402. Bassler, 1915, p. 1272. Springer, 1926a, p. 131, Pl. 26, figs. 2-5. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 11. Moore and Laudon, 1944, p. 153, Pl. 54, fig. 24. Amsden, 1949, p. 80, Pl. 12, figs. 8-9. Webster, 1973, p. 256. Strimple, 1975g, p. 249, Figs. 1, nos. A-D; 2, nos. A-D. Lane and Moore *in* Moore and Teichert, 1978, p. T588, Fig. 378, nos. 3a-3c. Webster, 1986, p. 305. McIntosh and Brett, 1988, p. 7, Pl. 2, figs. 3-6. Webster, 1993, p. 119. Clement and Broadhead, 1994, p. 47.  
Silurian - Devonian, early Ludlovian - Lochkovian, Bainbridge Group, Moccasin Springs Formation; Decatur Formation; Ross Formation, Rockhouse and Birdsong Member. United States, Missouri
- Thalamocrinus robustus* McIntosh and Brett, 1988, p. 5, Pl. 1, figs. 1-3, 5-9, 11; Fig. 1. Webster, 1993, p. 119.  
Silurian, Niagaran, Clinton Group, Rochester Shale, Lewiston Member. United States, New York; Canada, Ontario
- Thalamocrinus* cf. *robustus* McIntosh and Brett, 1988. Clement and Broadhead, 1994, p. 47.

Devonian, Lochkovian, Ross formation, Rockhouse Member. United States,  
Tennessee

*Thalamocrinus strimplei* McIntosh and Brett, 1988, p. 7, Pl. 2, fig. 7. Webster, 1993, p. 119.

*Homocrinus cylindricus* Hall, 1852a, p. 186, Pl. 41, figs. 2a-2e, 3a-3c. Dujardin and Hupé, 1862, p. 128. Shumard, 1868, p. 378. Bigsby, 1868, p. 20. Miller, S. A., 1889, p. 255. Bassler, 1915, p. 634. Bassler and Moodey, 1943, p. 513. Goldring, 1948b, p. 27. Webster, 1973, p. 69. McIntosh and Brett, 1988, p. 4. Webster, 1993, p. 118.

*Thalamocrinus cylindricus* (Hall, 1852). Miller and Gurley, 1895b, p. 82, Pl. 5, figs. 32-33. Miller, S. A., 1897, p. 754, Fig. 1401. Bassler, 1915, p. 1272. Springer, 1926a, p. 132, Pl. 26, figs. 6-9. Bassler and Moodey, 1943, p. 708. Strimple, 1975g, p. 249, Fig. 2, nos. E-F. Lane and Moore *in* Moore and Teichert, 1978, p. T589, Fig. 378, no. 3d. Webster, 1986, p. 304. McIntosh and Brett, 1988, p. 4, Pls. 1, figs. 4, 10, 12-16; 2, figs. 1-2. Webster, 1993, p. 118.

*Botryocrinus? cylindricus* (Hall, 1852). Goldring, 1948b, p. 27, Pl. 1, figs. 1-6. Webster, 1973, p. 69. McIntosh and Brett, 1988, p. 4. Webster, 1993, p. 118.

*Haplocrinus cylindricus* (Hall, 1852). Bassler and Moodey, 1943, p. 503. Silurian, Niagaran, Beech River Formation; Rochester Shale; Irondequoit Limestone, Lewiston Member; Racine Dolomite. United States, Tennessee, New York, Illinois; Canada, Ontario

**THALASSOCRINUS** Wanner, 1916 = **PERIPTEROCRINUS**

*Thalassocrinus gracilis* Wanner, 1916 = *Peripterocrinus gracilis*

**THALLOCRINUS** Jaekel, 1895. \**T. hauchecornei* Jaekel, 1895.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae

Jaekel, 1895a, p. 106. Schmidt, W. E., 1934, p. 39. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Moore and Laudon, 1943b, p. 101, Fig. 13.

Ubaghs, 1953, p. 742. Webster, 1973, p. 257. Webster, 1977, p. 168. Ubaghs *in* Moore and Teichert, 1978, p. T515. Webster, 1986, p. 305.

Named, currently recognized species based on cups or crowns: 5 Devonian Emsian species,

Devonian, early Emsian. Germany

*Thallocrinus acifer* Schmidt, W. E., 1942, p. 23, Pl. 4, fig. 1; Fig. 2. Webster, 1973, p. 257.

Devonian, early Emsian, Hunsrück Schiefer. Germany

\**Thallocrinus hauchecornei* Jaekel, 1895a, p. 106, Pl. 8, fig. 1. Ehrenberg, 1922c, p. 279, Fig. 11. Opitz, 1931, p. 165, Fig. 2. Schmidt, W. E., 1934, p. 39, Pls. 22, fig. 2; 25, fig. 2; 29, fig. 1; Fig. 52, no. b. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Ubaghs *in* Moore and Teichert, 1978, p. T515, Fig. 315, no. 4a. Webster, 1986, p. 305. Bartels and Brassel, 1990, p. 162, Fig. 147. Bartels, Briggs, and Brassel, 1998, p. 181, Fig. 157.

*Hapalocrinus elegans* Opitz, 1932, p. 95, Fig. 92. Bassler and Moodey, 1943, p. 709.

*Agriocrinus inermis* Opitz, 1932, p. 99, Fig. 96. Bassler and Moodey, 1943, p. 709. Devonian, early Emsian, Hunsrück Schiefer. Germany, Bundenbach

*Thallocrinus hauchecornei* Opitz, 1932 (*non* Jaekel, 1895) = *Thallocrinus procerus*

*Thallocrinus inermis* (Jaekel, 1895).

*Agriocrinus inermis* Jaekel, 1895a, p. 105, Pl. 8, fig. 2. Opitz, 1932, p. 111, Fig. 96. Bassler and Moodey, 1943, p. 502.

*Hapalocrinus inermis* (Jaekel, 1895). Bassler and Moodey, 1943, p. 502. Ausich, 1986e, p. 895.

Devonian, early Emsian, Hunsrückschiefer; Dachschiefer. Germany

*Thallocrinus procerus* Schmidt, W. E., 1934, p. 43, Pls. 3, fig. 3; 25, fig. 1; Fig. 5, nos. c- c3. Bassler and Moodey, 1943, p. 709. Lehmann, 1943, Unnum. Fig. p. 17.

Webster, 1977, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T515, Fig. 315, no. 4b. Webster, 1986, p. 305. Bartels and Brassel, 1990, p. 160, Fig. 146.

Bartels, Briggs, and Brassel, 1998, p. 180, Fig. 156. Hess *in* Hess et al., 1999 p. 114, Fig. 126.

*Agriocrinus inermis* Klahn, 1926, p. 297, Pl. 28. Bassler and Moodey, 1943, p. 709. Fischer and Gayrard-Valy, 1978, p. 160, Fig. 127.

*Thallocrinus hauchecornei* Opitz, 1932, p. 100, Fig. 98. Bassler and Moodey, 1943, p. 709.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Thallocrinus rugosus* Schmidt, W. E., 1934, p. 44, Pl. 4, fig. 1. Bassler and Moodey, 1943, p. 709.

Devonian, early Emsian, Hunsrückschiefer. Germany

*Thallocrinus* sp. Südkamp, 1995b, p. 205, unnumbered figs. p. 204-206.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Thallocrinus* spp. Bartels and Brassel, 1990, p. 170, Fig. 154. Bartels *et al.*, 1997, p. 40, Fig. 53. Bartels, Briggs, and Brassel, 1998, p. 191, Fig. 168.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

**THAMINOCRINUS** Strimple and Watkins, 1969. \**Allagecrinus biplex* Wright, 1932.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Strimple and Watkins, 1969, p. 217. Webster, 1977, p. 169. Moore and Strimple *in* Moore and Teichert, 1978, p. T539. Webster, 1986, p. 305. Sevastopulo and Lane, 1988, p. 247. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 119.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species

Mississippian, Viséan. United Kingdom, Scotland



- \**Thaminocrinus biplex* (Wright, 1932). Strimple and Watkins, 1969, p. 217. Webster, 1977, p. 169. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 336, no. 1. Webster, 1986, p. 305.
- Allagecrinus biplex* Wright, J., 1932, p. 348, Pl. 23, figs. 35-38; Figs. 12-15. Wright, J., 1933, p. 70, Pl. 14, figs. 13-14. Wright, J., 1939, p. 50, Pl. 10, figs. 7-8.
- Wright, J., 1941, p. 294, Pl. 7, figs. 2-6, 9, 12-14; Figs. 1-10. Bassler and Moodey, 1943, p. 725. Sieverts-Doreck, 1960, p. 241, Pl. 1, fig. 3. Strimple and Watkins, 1969, p. 217. Webster, 1977, p. 169.
- Wrightocrinus biplex* (Wright, 1932). Moore, 1940b, p. 92. Bassler and Moodey, 1943, p. 725. Wright, J., 1952a, p. 142, Pls. 39, fig. 16; 40, figs. 12-17, 26. Webster, 1973, p. 267.
- Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Thaminocrinites?* Le Maitre and Heddebaut, 1962 = *Oehlerticrinus seillouensis*

- THAMNOCRINUS** Goldring, 1923. \**T. springeri* Goldring, 1923.
- Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Periechocrinidae
- Goldring, 1923, p. 239. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Moore and Laudon, 1943b, p. 92. Moore and Laudon, 1944, p. 191, Pl. 70, fig. 13. Ubaghs, 1953, p. 739. Webster, 1973, p. 257. Ubaghs *in* Moore and Teichert, 1978, p. T447. Cowen, 1981, p. 339. Webster, 1986, p. 305. Broadhead, 1987, p. 185. Webster, 1988, p. 159. Webster, 1993, p. 119.
- Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species
- Devonian, Givetian. North America

*Thamnocrinus devonicus* (Springer, 1911) = *Stamnocrinus devonicus*

- \**Thamnocrinus springeri* Goldring, 1923, p. 243, Pl. 26, figs. 8-10; Fig. 48. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Moore and Laudon, 1943b, p. 139, Pl. 10, fig. 6. Moore and Laudon, 1944, p. 191, Pl. 73, fig. 17. Goldring, 1945, p. 57, Pl. 1, figs. 1-3. Webster, 1973, p. 257. Ubaghs *in* Moore and Teichert, 1978, p. T447, Fig. 256, no. 3. Signor and Brett, 1984, p. 238, Fig. 8, no. C. Webster, 1986, p. 305. Broadhead, 1987, p. 185. Webster, 1988, p. 159. Webster, 1993, p. 119.
- Devonian, Givetian, Moscow Formation. United States, New York

- THELEPROKTOCRINUS** Witzke and Strimple, 1981. \**T. davidsoni* Witzke and Strimple, 1981.
- Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. Hapalocrinidae
- Witzke and Strimple, 1981, p. 135. Webster, 1988, p. 159.
- Named, currently recognized species based on cups or crowns: 1 Silurian,

Llandoveryian species  
Silurian, late Llandoveryian. United States, Iowa

\**Theleproktocrinus davidsoni* Witkze and Strimple, 1981, p. 135, Pl. 5, figs. 11-19; Fig. 22. Webster, 1988, p. 159.  
Silurian, late Llandoveryian, Hopkinton Dolomite, *Cyclocrinites* Beds. United States, Iowa

**THELOREUS** Moore, 1962. \**Phimocrinus jouberti* Oehlert, 1882.  
Sbc. Disparida, Spf. Belemnocrinoidea, F. Ramacrinidae  
Moore, 1962b, p. 44. Webster, 1973, p. 257. Moore and Lane *in* Moore and Teichert, 1978, p. T560. Webster, 1986, p. 305. Sevastopulo and Lane, 1988, p. 251. Clement, 1988, p. 113. Webster, 1988, p. 159. Webster, 1993, p. 119.  
Named, currently recognized species based on cups or crowns: 1 Devonian, Lochkovian – Pragian species  
Devonian, Lochkovian - Pragian. Germany, France

*Theloreus americanus* (Springer, 1923) = *Phimocrinus americanus*

\**Theloreus jouberti* (Oehlert, 1882). Moore, 1962b, p. 44, Fig. 17. Strimple, 1963d, p. 29, Fig. 4, no. b (given as *Phimocrinus jouberti* in text). Webster, 1973, p. 257. Moore and Lane *in* Moore and Teichert, 1978, p. T561, Fig. 353, no. 4. Le Menn, 1985, p. 79, Pl. 15, figs. 6-13; Fig. 31. Webster, 1986, p. 305. Webster, 1988, p. 159.  
*Phimocrinus jouberti* Oehlert, 1882, p. 353, Pl. 8, fig. 1; Unnum. Fig. Bassler and Moodey, 1943, p. 609. Moore, 1962b, p. 44. Webster, 1973, p. 257.  
Devonian, Lochkovian - Pragian, Saint-Cenere Formation. France, Armorican Massif; Germany

**THENAROCRINUS** Bather, 1890. \**T. callipygus* Bather, 1890  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Thenarocrinidae  
Bather, 1890b, p. 334. Bather *in* Lankester, 1900, p. 179. Springer *in* Zittel, 1913, p. 215. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 709. Moore and Laudon, 1943b, p. 54, Figs. 1, 6. Moore, 1950, p. 34, Fig. 4, no. c. Ubaghs, 1953, p. 751. Moore, 1962b, p. 15, Fig. 9, no. 3. Philip, 1963, Fig. 4, no. b. Yakovlev, 1964b, p. 65, Fig. 90, no. b. Webster, 1973, p. 257. Frest and Strimple, 1978b, p. 167, Fig. 2, no. f. Moore and Lane *in* Moore and Teichert, 1978, p. T618, Fig. 394, no. 3. Jobson and Paul, 1979, p. 78, Fig. 7. Webster, 1986, p. 306. Donovan et al., 2010, p. 88.  
**TENAROCRINUS** Zittel, 1895, p. 136. Wachsmuth *in* Zittel, 1900, p. 158.  
Named, currently recognized species based on cups or crowns: 2 Silurian, Wenlockian species  
Silurian, Wenlockian. United Kingdom

*Thenarocrinus callipygae* Bather, 1890 = *Thenarocrinus callipygus*

\**Thenarocrinus callipygus* Bather, 1890. Bather, 1891a, p. 35, Pl. 1, figs. 1-3. Bassler, 1938, p. 183. Bassler and Moodey, 1943, p. 710. Moore and Lane *in* Moore and Teichert, 1978, p. T618, Fig. 403, nos. 1a-1c. Webster, 1986, p. 306. Donovan et al., 2007, p. 46, Figs. 9, no. C; 10, no. A. Donovan et al., 2010, p. 89, Pl. 22, figs. 1-3.

*Thenarocrinus callipygae* Bather, 1890a, p. 334, Pl. 14, fig. 14. Bather, 1890e, p. 224, Pl. 10, figs. 1-9; Figs. 1-9. Bassler and Moodey, 1943, p. 710. Silurian, Wenlock, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley

*Thenarocrinus gracilis* Bather, 1891a, p. 36, Pl. 1, figs. 4-5. Bassler and Moodey, 1943, p. 710. Ubaghs, 1953, p. 751, Fig. 14, no. c. Webster, 1973, p. 257. Ubaghs *in* Moore and Teichert, 1978, p. T125, Fig. 94, no. 6. Webster, 1986, p. 306. Donovan et al., 2010, p. 89, Fig. 36, no. A. Silurian, Wenlock, Homerian, Much Wenlock Limestone Formation. United Kingdom, Dudley

**THETIDICRINUS** Wanner, 1916. \**T. piriformis* Wanner, 1916.

Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae  
Wanner, 1916, p. 112. Wanner, 1930, p. 3. Wanner, 1937, p. 126. Bassler, 1938, p. 184. Bassler and Moodey, 1943, p. 710. Moore and Laudon, 1943b, p. 50. Branson, C. C., 1948, p. 216. Arendt and Hecker, 1964, p. 85. Lane, N. G., 1967b, p. 11, Fig. 5. Arendt, 1970a, p. 98. Webster, 1973, p. 257. Webster, 1977, p. 169. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1986, p. 306.

Named, currently recognized species based on cups or crowns: 1 Permian species, series uncertain  
Permian, series uncertain. West Timor

\**Thetidocrinus piriformis* Wanner, 1916, p. 112, Pl. 102 (7), figs. 12-15; Fig. 29. Wanner,

1930, p. 3, Pl. 1, figs. 1-4. Wanner, 1937, p. 126, Pl. 9, figs. 7-10; Fig. 34. Bassler, 1938, p. 184. Bassler and Moodey, 1943, p. 710. Branson, C. C., 1948, p. 216. Arendt, 1970a, p. 99, Pl. 2, figs. 3-4; Fig. 13. Webster, 1977, p. 169. Ubaghs *in* Moore and Teichert, 1978, p. T171, T181, Figs. 143, no. 5; 153, no. 2. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Figs. 384, no. 6; 387, no. 1. Webster, 1986, p. 306.

Permian, series uncertain. West Timor, Basleo

**THINOCRINUS** Ausich and Sevastopulo, 2001. \**Steganocrinus westheadi* Wright, 1947.

Camerata, O. Monobathrida, Subo Compsocrinina, Spf. Periechocrinoidea, F. Actinocrinitidae

Ausich and Sevastopulo, 2001, p. 37. Donovan and Lewis, 2003, p. 2.

Named, currently recognized species based on cups or crowns: 4 Mississippian species, 3 Tournaisian, 1 Tournaisian – Viséan Mississippian. Ireland, United Kingdom

*Thinocrinus loricatus* (Schlotheim, 1820). Ausich and Sevastopulo, 2001, p. 38, Pl. 2, figs. 15-17.

Nave Encrinite Parkinson, 1808. Ausich and Sevastopulo, 2001, p. 38.

Nave Encrinite Cumberland, 1811, p. 217-225, Pl. 17, figs. 1-5, 12. (There are several taxa in these illustrations, i. e., figs. 1-5 are actinocrinitids and 12 a platycrinitid. GDW, 2010).

*Encrinites loricatus* Schlotheim, 1820 (part). Schlotheim, 1822-1823, p. 99, Pl. 27, figs. 3a-3l. Schlotheim, 1832, p. 25, Pl. 27, figs. 3a-3l. Bronn, 1848, p. 14.

Wright,

J., 1955a, p. 227. Webster, 1973, p. 234. Ausich and Sevastopulo, 2001, p. 38.

*Actinocrinites triacontadactylus* Miller; Schlotheim, 1822 (part). Ausich and Sevastopulo, 2001, p. 38.

Amphora No. 1 Cumberland, 1826, p. 36, Pl. A, fig. 5. Bassler and Moodey, 1943, p. 270. Ausich and Sevastopulo, 2001, p. 38.

*Actinocrinus loricatus* (Schlotheim) Bather, 1907. Ausich and Sevastopulo, 2001, p. 38.

*Sampsonocrinus loricatus* (Schlotheim, 1820). Wright, J., 1955a, p. 227, Pl. 52, figs. 12-14; Figs. 113-114. Webster, 1973, p. 234. Ausich and Sevastopulo, 2001, p. 38.

Mississippian, late Tournaisian (C<sub>1</sub>), Mountain Limestone. United Kingdom; Ireland

*Thinocrinus smythi* Ausich and Sevastopulo, 2001, p. 40, Pls. 3, figs. 15-17; 5, fig. 3; Fig. 8, no. B.

Mississippian, late Tournaisian, Hook Head Formation, Supradolomite Beds, *Linoproductus* Beds. Ireland

\**Thinocrinus westheadi* (Wright, 1947). Ausich and Sevastopulo, 2001, p. 37, Pl. 3, fig. 12; Fig. 9, nos. B-E. Donovan and Lewis, 2003, p. 2, Pl. 2, fig. 1.

*Steganocrinus westheadi* Wright, J., 1947, p. 101, Pl. 3, figs. 4-7. Wright, J., 1955a, p. 230. Webster, 1973, p. 234. Ausich and Sevastopulo, 2001, p. 37.

*Sampsonocrinus westheadi* (Wright, 1947). Wright, J., 1955a, p. 230, Pls. 54, figs. 18-20, 22; 57, figs. 17-20; 63, figs. 1-4, 8-12, 17-20; Fig. 115. Brower, 1965, p. 789. Webster, 1973, p. 234. Ausich and Sevastopulo, 2001, p. 37.

Mississippian, late Tournaisian - Viséan, Feltrim Intrareef Shale, Feltrim Cover. Ireland; United Kingdom

*Thinocrinus wexfordensis* Ausich and Sevastopulo, 2001, p. 39, Pl. 3, figs. 13-14.

Mississippian, late Tournaisian, Hook Head Formation, *Michelinia* Beds. Ireland

*THOLIACRINUS* Strimple, 1962 = **GRAFFHAMICRINUS**

*Tholiacrinus allegheniensis* (Burke, 1932) = *Graffhamicrinus allegheniensis*

*Tholiacrinus bifidus* (Moore and Plummer), Strimple, 1962 = *Graffhamicrinus bifidus*

*Tholiacrinus bransoni* (Strimple, 1962) = *Graffhamicrinus bransoni*

*Tholiacrinus bullatus* Moore and Plummer, 1940 = *Graffhamicrinus bullatus*

*Tholiacrinus decapodos* Strimple and Priest, 1969 = *Graffhamicrinus decapodos*

*Tholiacrinus grafordensis* (Moore and Plummer, 1940) = *Graffhamicrinus grafordensis*

*Tholiacrinus kieri* (Burke, 1966) = *Graffhamicrinus kieri*

*Tholiacrinus mitis* (Moore and Plummer, 1940) = *Graffhamicrinus mitis*

*Tholiacrinus parinodosarius* (Strimple), Strimple, 1962 = *Endelocrinus parinodosarius* =  
*Graffhamicrinus parinodosarius*

*Tholiacrinus rectus* (Moore and Plummer), Strimple, 1962 = *Graffhamicrinus rectus*

*Tholiacrinus rimulatus* Strimple, 1962 = *Endelocrinus rimulatus* = *Graffhamicrinus rimulatus*

*Tholiacrinus tumidus* Knapp, 1969 = *Endelocrinus tumidus*

*Tholiacrinus undulatus* Strimple, 1962 = *Endelocrinus undulatus* = *Graffhamicrinus undulatus*

**THOLOCRINUS** Kirk, 1939. \**Hydreionocrinus spinosus* Wood, 1909.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinidae

Kirk, 1939, p. 470. Bassler and Moodey, 1943, p. 710. Moore and Laudon, 1943b, p. 58. Moore and Laudon, 1944, p. 167. Arendt and Hecker, 1964, p. 89.

Webster, 1973, p. 257. Strimple, 1975i, p. 2. Webster, 1977, p. 170. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T750. Burdick and Strimple, 1983a, p. 165. Webster, 1986, p. 306. Chestnut and Etensohn, 1988, p. 34, Figs. 10, 13. Webster, 1988, p. 159. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 119.

**XYSTOCRINUS** Moore and Plummer, 1938, p. 271. \**Zeacrinus depressus* Hall, 1858. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 726. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T750.

Named, currently recognized species based on cups or crowns: 5 Mississippian, Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

*Tholocrinus armiger* (Meek and Worthen, 1870). Kirk, 1939, p. 471. Bassler and Moodey, 1943, p. 710.

- Zeacrinus? armiger* Meek and Worthen, 1870b, p. 27. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 310. Bassler and Moodey, 1943, p. 710.
- Poteriocrinites (Zeacrinus?) armiger* (Meek and Worthen, 1870). Meek and Worthen, 1873, p. 547, Pl. 21, fig. 3. Bassler and Moodey, 1943, p. 710.
- Hydreionocrinus armiger* (Meek and Worthen, 1870). Wetherby, 1881a, p. 328, Pl. 9, figs. 7-11. Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 310. Bassler and Moodey, 1943, p. 516.
- Mississippian, Serpukhovian (Chesterian), Okaw Limestone; Glen Dean Limestone. United States, Illinois, Kentucky
- Tholocrinus depressus* (Hall, 1858). Ausich, 2009a, p. 486, suppl., p. 46.
- Cyathocrinites depressus* Troost, 1850a, p. 61. Troost, 1850b, p. 419. Bassler and Moodey, 1943, p. 726.
- Zeacrinus depressus* (Troost, 1850). Hall, 1858c, p. 545, Figs. 66-67. Miller, S. A., 1889, p. 288. Weller, 1898c, p. 310. Bassler, 1938, p. 192. Kirk, 1939, p. 469. Bassler and Moodey, 1943, p. 726.
- Cyathocrinus depressus* (Troost, 1850). Miller, S. A., 1889, p. 235.
- Hydreionocrinus depressus* (Troost, 1850). Miller, S. A., 1889, p. 256. Weller, S., 1898c, p. 310. Wood, 1909, p. 92, Pl. 11, figs. 6-8. Bassler and Moodey, 1943, p. 726.
- Xystocrinus depressus* (Troost, 1850). Moore and Plummer, 1938, p. 272 (part). Bassler and Moodey, 1943, p. 727.
- Zeacrinites depressus* (Troost, 1850). Bassler and Moodey, 1943, p. 726.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone. United States, Alabama, Kentucky
- Tholocrinus discus* Strimple, 1975i, p. 4, Pl. 1, figs. 2, 5; Figs. 4-5. Webster, 1986, p. 306.
- Mississippian, Serpukhovian (middle Chesterian), Golconda Group, Fraileys Formation. United States, Illinois
- Tholocrinus foveatus* Strimple, 1951 = *\*Zeusocrinus foveatus*
- \*Tholocrinus spinosus* (Wood, 1909). Kirk, 1939, p. 471. Bassler and Moodey, 1943, p. 710. Moore and Laudon, 1944, p. 167, Pl. 59, fig. 2. Ubaghs, 1953, p. 726, Figs. 118-119. Horowitz, 1965, p. 22, Pl. 2, figs. 5-10. Webster, 1973, p. 257. Strimple, 1975i, p. 3, Pl. 1, figs. 8, 10, 12-14. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T750, Fig. 496, no. 1. Burdick and Strimple, 1983a, p. 166. Webster, 1986, p. 306. Chestnut and Ettensohn, 1988, p. 34, Pl. 1, figs. 7-9. Webster, 1988, p. 159. Webster, 1993, p. 119.
- Hydreionocrinus spinosus* Wood, 1909, p. 93. Bassler and Moodey, 1943, p. 710.
- Hydreionocrinus depressus* Wetherby, 1881a, p. 325, Pl. 9, figs. 1-4, 6 (in error). Springer, 1926b, p. 89, Pl. 26, figs. 1-12. Bassler and Moodey, 1943, p. 710. Cuénot, 1948, p. 61, Fig. 77. Webster, 1973, p. 258.
- Xystocrinus depressus* Moore and Plummer, 1938 (part), p. 269, Fig. 21. Bassler and Moodey, 1943, p. 710.
- Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Bangor Limestone; Pennington Formation: United States, Alabama, Kentucky, Indiana

*Tholocrinus unionensis* Strimple, 1975i, p. 3, Pl. 1, figs. 1, 3-4, 6, 9. Webster, 1986, p. 306.

Mississippian, Serpukhovian (middle Chesterian), Golconda Group, Fraileys Formation. United States, Illinois

*Tholocrinus wetherbyi* (Wachsmuth and Springer, 1886) = *\*Bicidiocrinus wetherbyi*

*Tholocrinus* sp. Priest, 1971, p. 94, Pl. 2, fig. 3. Webster, 1977, p. 170.

No age or locality given

**THOMASOCRINUS** Witzke and Strimple, 1981. *\*T. cyclindrica* Witzke and Strimple, 1981.

Camerata, O. Monobathrida, Sbc. Glyptocrinina, Spf. Patelliocrinoidea, F. Patelliocrinidae

Witzke and Strimple, 1981, p. 119. Webster, 1988, p. 159.

Named, currently recognized species based on cups or crowns: 1 Silurian Llandoveryian species

Silurian, late Llandoveryian. United States, Iowa

*\*Thomasocrinus cyclindrica* Witzke and Strimple, 1981, p. 119, Pl. 2, figs. 30-33; Fig. 10. Webster, 1988, p. 159.

Silurian, late Llandoveryian, Hopkinton Dolomite, *Cyrtia* Beds. United States, Iowa

Three circlet crinoid Simms, 1994, p. 305, Fig. 3, nos. A, C (diagramatic)

**THURINGOCRINUS** Jaekel, 1918. *\*T. saalfeldianus* Jaekel, 1918.

"Inadunata", O. - F. uncertain

Jaekel, 1918, p. 61. Bassler, 1938, p. 184. Bassler and Moodey, 1943, p. 710.

Moore and Teichert, 1978, p. T928.

Named, currently recognized species based on cups or crowns: 1 Late Devonian species, series undesignated

Late Devonian, series not given. Germany

*\*Thuringocrinus saalfeldianus* Jaekel, 1918, p. 62, Fig. 52. Bassler, 1938, p. 184.

Bassler and Moodey, 1943, p. 710. Moore and Teichert, 1978, p. T928.

Late Devonian, series not given. Germany, Saalfeld

**THYLACOCRINUS** Oehlert, 1878. *\*T. vanniotti* Oehlert, 1878.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Oehlert, 1878, p. 6 (adv. pub.). Oehlert, 1879, p. 6. Zittel, 1880, p. 345, 375.

Wachsmuth and Springer, 1881, p. 184 (358). Zittel, 1895, p. 131. Wachsmuth and

Springer, 1897, p. 248. Miller, S. A., 1897, p. 754. Bather *in* Lankester, 1900, p.

200. Wachsmuth *in* Zittel, 1900, p. 146. Abel, 1924, p. 276. Bassler, 1938, p.

184. Bassler and Moodey, 1943, p. 711. Moore and Laudon, 1943b, p. 82.

Moore

and Laudon, 1944, p. 185. Ubaghs, 1953, p. 737. Arendt and Hecker, 1964, p.

95. Webster, 1973, p. 258. Le Menn, 1974, p. 98. Ubaghs *in* Moore and Teichert, 1978, p. T432. Webster, 1986, p. 307. Webster, 1988, p. 159.  
 Named, currently recognized species based on cups or crowns: 5 Devonian species,  
 1 Pragian, 1 Early Devonian series undesignated, 2 Givetian, 1 Middle Devonian  
 series undesignated  
 Early - Middle Devonian. Europe  
 Early Devonian. Algeria; Australia  
 Middle Devonian. United States

*Thylacocrinus belgicus* Le Menn, 1974, p. 101, Pl. 18, figs. 2; Fig. 3. Webster, 1986,  
 p. 307.

Middle Devonian, series not given. Belgium

*Thylacocrinus clarkei* Wachsmuth and Springer, 1897, p. 248, Pl. 13, figs. 11a-11b.  
 Miller, S. A., 1897, p. 754. Bassler and Moodey, 1943, p. 711. Moore and  
 Laudon, 1944, p. 185, Pl. 72, fig. 27. Le Maitre, 1958b, p. 128, Pl. 3, fig. 10.  
 Webster, 1973, p. 258. Le Menn, 1974, p. 102, Pl. 18, figs. 3-5; Fig. 4. Webster,  
 1986, p. 307. Brett *in* Hess et al., 1999 p. 124, Fig. 135.

Devonian, Givetian, lower part of Moscow Shale, Windom Shale. United States,  
 New  
 York

*Thylacocrinus gracilis* (Hall, 1862). Goldring, 1923, p. 102, Pl. 4, fig. 5. Bassler and  
 Moodey, 1943, p. 711. Le Menn, 1974, p. 104, Pl. 18, fig. 1; Fig. 5. Webster,  
 1986, p. 307.

*Rhodocrinus (Acanthocrinus) gracilis* Hall, 1862a, p. 99. Hall, 1862b, p. 127.  
 Shumard, 1868, p. 394. Hall, 1872c, Pl. 1A, fig. 7. Miller, S. A., 1889, p. 277.  
 Bassler and Moodey, 1943, p. 711.

Devonian, Givetian, lower part of Moscow Shale. United States, New York

*Thylacocrinus? ignotus* Philip, 1961, p. 145, Pl. 8, figs. 1-2, 8; Figs. 1-3. Webster,  
 1973, p. 258.

Early Devonian, series not given. Australia, Victoria

\**Thylacocrinus vannioti* Oehlert, 1878, p. 2, Pls. 1, figs. 1-7; 2, fig. 1. Oehlert, 1882, p.  
 359, Pl. 9, figs. 1-1a. Miller, S. A., 1897, p. 754. Bather *in* Lankester, 1900, p.  
 200, Fig. 126. Delage and Herouard, 1903, p. 385, Fig. 475. Abel, 1920, p. 265,  
 Fig. 411. Abel, 1924, p. 276, Fig. 411. Péneau, 1928, p. 250. Bassler, 1938, p.  
 184. Bassler and Moodey, 1943, p. 711. Le Maitre, 1954, p. 2108. Le Maitre,  
 1958b, p. 128, Pl. 3, fig. 9. Webster, 1973, p. 258. Le Menn, 1974, p. 98, Pls. 15-  
 17, Figs. 1-2. Ubaghs *in* Moore and Teichert, 1978, p. T432, Fig. 240, no. 1. Le  
 Menn, 1985, p. 45, Pls. 2, figs. 13, 14; 3, figs. 1-7; Figs. 2, nos. B-C; 76; 77.  
 Webster, 1986, p. 307. Webster, 1988, p. 159.

Devonian, Pragian, Saint-Cenere Formation. France, Armorican Massif;  
 Germany

*Thylacocrinus* aff. *vannioti* Oehlert, 1878. Le Maitre, 1958b, p. 129, Pls. 2, fig. 6; 3, fig.  
 6. Webster, 1973, p. 258.



Devonian, early Eifelian. Algeria

*Thylacocrinus* sp. Goldring, 1929, p. 115, Fig. 28, no. C.  
Middle Devonian. United States, New York

*Thylocrinus?* sp. Whidborne, 1895, p. 202, Pl. 23, fig. 11.  
Devonian, Famennian. United Kingdom, Lummaton

**THYRIDOCRINUS** Kirk, 1944. \**Lecythiocrinus? problematicus* Springer, 1926.  
Sbc. Cladida, O. Cyathocrinida, Spf. Codiacrinoidea, F. Codiocrinidae, Sbf.  
Codiocrininae

Kirk, 1944e, p. 388. Webster, 1973, p. 258. Arendt, 1975, p. 140. Arendt, 1976b, p. 263. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1977, p. 170. Webster, 1986, p. 307.

**PROLECYTHIOCRINUS** Arendt, 1970a, p. 117. \**Lecythiocrinus? problematicus* Springer, 1926. Arendt, 1975, p. 140. Arendt, 1976b, p. 263. Webster, 1977, p. 170. Lane and Moore *in* Moore and Teichert, 1978, p. T599. Webster, 1986, p. 307.

**PARALECYTHIOCRINUS** Moore, Lane, and Strimple *In* Moore and Strimple, 1973, p. 18 (typographical error for *Prolecythiocrinus*). Webster, 1977, p. 170.

Named, currently recognized species based on cups or crowns: 2 Silurian, Niagaran species  
Silurian, Niagaran. United States

*Thyridocrinus patulus* (Slocum, 1908). Kirk, 1944e, p. 389. Webster, 1973, p. 258.  
*Achradocrinus patulus* Slocum, 1908, p. 288, Pl. 85, figs. 1-4. Bassler and Moodey, 1943, p. 265. Kirk, 1944e, p. 389. Webster, 1973, p. 258.  
Silurian, Niagaran, Niagara Limestone. United States, Illinois

\**Thyridocrinus problematicus* (Springer, 1926). Kirk, 1944e, p. 389. Webster, 1973, p. 258. Webster, 1977, p. 171. Lane and Moore *in* Moore and Teichert, 1978, p. T599, Fig. 386, no. 5. Webster, 1986, p. 307.

*Lecythiocrinus? problematicus* Springer, 1926a, p. 133, Pl. 31, figs. 11-11b.  
Bassler and Moodey, 1943, p. 535. Kirk, 1944e, p. 389. Arendt, 1970a, p. 117. Webster, 1973, p. 258. Webster, 1977, p. 171.

*Prolecythiocrinus problematicus* (Springer, 1926). Arendt, 1970a, p. 117. Webster, 1977, p. 171.  
Silurian, Niagaran, Laurel Limestone. United States, Indiana

**THYSANOCRINUS** Hall, 1852 = **DIMEROCRINITES**

*Thysanocrinus aculeatus* Hall, 1852 = *Dimerocrinites aculeatus*

*Thysanocrinus arborescens* Talbot, 1905 = *Dimerocrinus arborescens* = *Dimerocrinites arborescens* = *Ambicocrinus arborescens*

*Thysanocrinus brachiatus* (Hall, 1852) = *Dimerocrinites brachiatus*

- Thysanocrinus campanulatus* Slocum, 1908 = *Dimerocrinites campanulatus*
- Thysanocrinus canaliculatus* Hall, 1852 = *Dimerocrinites canaliculatus*
- Thysanocrinus caniculatus* Hall, 1852 = *Dimerocrinites canaliculatus*
- Thysanocrinus egani* (Miller, 1881) = *Dimerocrinites egani*
- Thysanocrinus eugenius* Ohern, 1913 = *Dimerocrinites eugenius*
- Thysanocrinus halli* Lyon, 1862 = *Dimerocrinus halli* = *Dimerocrinites halli* = *Griphocrinus halli*
- Thysanocrinus immaturus* Hall, 1852 = *Idiocrinus immaturus* = *Gazacrinus immaturus*
- Thysanocrinus inornatus* (Hall, 1863) = *Dimerocrinus inornatus* = *Dimerocrinites inornatus*
- Thysanocrinus liliiformis* Hall, 1852 = *Dimerocrinites liliiformis*
- Thysanocrinus microbasalis* Billings, 1857 = *Archaeocrinus microbasalis*
- Thysanocrinus (Rhodocrinus) microbasalis* Billings, 1857 = *Rhodocrinus microbasalis* = *Archaeocrinus microbasalis*
- Thysanocrinus milliganae* Miller and Gurley, 1896 = *Gazacrinus milliganae*
- Thysanocrinus occidentalis* (Hall, 1864) = *Dimerocrinites occidentalis*
- Thysanocrinus pentangularis* (Hall, 1863) = *Dimerocrinites pentangularis*
- Thysanocrinus pyriformis* Billings, 1857 = *\*Neoarcheocrinus pyriformis*
- Thysanocrinus (Rhodocrinus) pyriformis* Billings, 1857 = *Rhodocrinus pyriformis* = *Archaeocrinus pyriformis* = *\*Neoarcheocrinus pyriformis*

**TIARACRINUS** Schultze, 1866. *\*T. quadrifrons* Schultze, 1866.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Zophocrinidae

Schultze, 1866, p. 114 (adv. pub.). Schultze, 1867, p. 226. Zittel, 1880, p. 420.

Schlüter, 1881, p. 211. Jaekel, 1899b, p. 343. Bather *in* Lankester, 1900, p. 57.

Springer, 1926a, p. 81. Bassler, 1938, p. 184. Bassler and Moodey, 1943, p.

711. Moore and Laudon, 1943b, p. 30. Ubaghs, 1953, p. 747. Le Maitre,

1958c, p. 1068. Webster, 1973, p. 258. Webster, 1977, p. 171. Moore and Lane

*in* Moore and Teichert, 1978, p. T562. Webster, 1986, p. 307. Webster, 1988, p.

160. Webster, 1993, p. 120. Haude, 1993, p. 94. Hauser, 1997, p. 105, Fig. 30.

Hauser, 2001, p. 138, Fig. 119. Hauser, 2008, p. 29, Pl. 12, fig. 9; Fig. 61.

*STAUROSOMA* Barrande, 1887, p. 21. \**S. rarus* Barrande, 1887. Bassler, 1938, p. 173. Bassler and Moodey, 1943, p. 711. Moore and Lane *in* Moore and Teichert, 1978, p. T562.

Named, currently recognized species based on cups or crowns: 7 Devonian species, 1 Lochkovian – Pragian, 1 Pragian – Emsian, 1 Emsian, 3 Eifelian, 1 Givetian Devonian, Lochkovian - Givetian. Europe

*Tiaracrinus? aceribrachialis* Haude, 1993, p. 95, Pl. 7, figs. 9-16; Fig. 1, nos. A-D. Devonian, early Givetian, Wiedenest Formation. Germany

*Tiaracrinus moravicus* Ubaghs and Boucek, 1962, p. 42, Pls. 1-2; Figs. 1-3. Webster, 1973, p. 258. Ubaghs *in* Moore and Teichert, 1978, p. T208, Fig. 176, nos. 5-7. Le Menn, 1990a, p. 164, Pl. 1, figs. 13-16. Prokop and Petr, 1990, p. 33, 34. Webster, 1993, p. 120. Le Menn, 1997b, p. 133. Devonian, Emsian, La Grange Limestone. Algeria; Czech Republic

*Tiaracrinus? obtusibrachialis* Haude, 1993, p. 94, Pl. 7, figs. 4-8; Fig. 1, nos. E-H; Fig. 3 (diagramatic). Devonian, late Eifelian, Selscheid Formation. Germany

*Tiaracrinus oehlerti* Schluter, 1881 = *Tiaracrinus soyei*

\**Tiaracrinus quadrifrons* Schultze, 1866, p. 114 (adv. pub.). Schultze, 1867, p. 226, Pl. 13, fig. 8. Jaekel, 1899b, p. 343. Frech, 1902, Pl. 27, fig. 14. Springer, 1926a, p. 81, Pl. 25, figs. 27-27c. Bassler, 1938, p. 184. Bassler and Moodey, 1943, p. 711. Le Maitre, 1954, p. 2108. Le Maitre, 1958b, p. 135, Pl. 1, figs. 1-6. Le Maitre, 1958c, p. 1068, Fig. 1. Webster, 1973, p. 258. Webster, 1977, p. 171. Moore and Lane *in* Moore and Teichert, 1978, p. T562, Fig. 355, no. 2. Webster, 1986, p. 308. Hauser, 1997, p. 105, Pl. 73, figs. 5-8. Hauser, 2001, p. 10, 28, 138, Pl. 21, fig. 3; Fig. 1; Fig. 120. Hauser, 2008, p. 29, Pls. 1, fig. 7; 6, fig. 11; 14, figs. 5-6; 15, fig. 19; Figs. 59-60, 62.

*Tiaracrinus quadrifrons* Schultze, 1866. Müller, H., 1965, p. 802, Pl. 1, figs. 7-8. Webster, 1977, p. 171.

Devonian, Eifelian, upper part of Selscheiderschiefern, Oskerschiefern; Freilingen Formation; Ahabach Formation. Czech Republic, Bohemia; Germany; Algeria

*Tiaracrinus rarus* (Barrande), 1887. Jaekel, 1899b, p. 343. Le Menn, 1990a, p. 162, Pl. 1, figs. 1-12; Fig. 1. Prokop and Petr, 1990, p. 43. Webster, 1993, p. 120. Haude, 1993, p. 91, Pl. 7, fig. 1; Fig. 2, nos. A-C. Le Menn, 1997b, p. 133.

*Staurosoma rarum* Barrande, 1887, p. 82, Pl. 31, case III, figs. 1-16. Bassler, 1938, p. 173. Prokop and Petr, 1990, p. 43. Webster, 1993, p. 120.

Devonian, Pragian - Emsian, Chefar El Ahmar Formation; Koneprusy Limestone. Algeria; Czech Republic

*Tiaracrinus soyei* Oehlert, 1882, p. 369, Pl. 9, fig. 2; Unnum. fig. Jaekel, 1899b, p. 344. Bassler and Moodey, 1943, p. 711. Le Maitre, 1958b, p. 139, Pl. 1, figs. 8-10. Le Maitre, 1958c, p. 1069. Webster, 1973, p. 258. Le Menn, 1985, p. 82, Pl. 16, figs. 8-15. Le Menn, 1987a, p. 221, Pl. 2, figs. 11-16. Webster, 1988, p. 160.

- Webster, 1993, p. 120.  
*Tiaracrinus oehlerti* Schlüter, 1881, p. 212. Jaekel, 1899b, p. 344. Bassler and Moodey, 1943, p. 711. Le Maitre, 1958c, p. 1069. Webster, 1973, p. 258. Devonian, late Lochkovian - Pragian, Saint Cener Formation. France
- Tiaracrinus tetraedra* Jaekel, 1901, p. 77, Unnum. Fig. Bassler and Moodey, 1943, p. 711. Le Maitre, 1958b, p. 135, Pl. 1, fig. 14. Le Maitre, 1958c, p. 1069. Webster, 1973, p. 258. Devonian, Eifelian, Greifensteiner Kalk. Germany
- Tiaracrinus* n. sp. Boucek, 1937, p. 75. Early Devonian. Moravia
- Tiaracrinus?* sp. Schultze, 1867. Haude, 1993, p. 94. Devonian, late Eifelian - early Givetian. Germany
- TIMOOCRINUS** Prokop and Petr, 1993. \**T. fidelis* Prokop and Petr, 1993, OD. Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Platycrinitoidea, F. ?Haplocrinitidae Prokop and Petr, 1993c, p. 67. Named, currently recognized species based on cups or crowns: 2 Devonian, Emsian species Devonian, late Emsian. Czech Republic
- Timocrinus bellus* Prokop and Petr, 1993c, p. 68, Pl. 2, figs. 1-3. Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia
- \**Timocrinus fidelis* Prokop and Petr, 1993c, p. 68, Pls. 1, figs. 1-4; 2, fig. 4. Prokop and Petr, 1998a, p. 12, Pl. 3, figs. 2-5. Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia
- Timorechinid gen. indet. Webster and Jell, 1992, p. 351, Fig. 18, nos. C-D. Permian, late Sakmarian or early Artinskian, Callytharra Formation. Australia, Western Australia, Carnarvon Basin
- Timorechinid gen. indet. Webster and Jell, 1999b, p. 311, Fig. 15, nos. A-B. Permian, early Artinskian, Callytharra Formation. Australia, Western Australia
- TIMORECHINUS** Wanner, 1911. \**T. mirabilis* Wanner, 1911. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Timorechinidae Wanner, 1910, p. 123. Jaekel, 1918, p. 64. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 711. Moore and Laudon, 1943b, p. 59, Fig. 7. Branson, C. C., 1948, p. 216. Moore, 1950, p. 37, Fig. 4, no. q. Webster, 1973, p. 258. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T752. Webster, 1986, p. 308. Webster, 1988, p. 160. **TIMOROOCRINUS** Wanner, 1912, p. 599. Wanner, 1916, p. 283. Wanner, 1924, p.

181. Abel, 1924, p. 278. Diener, 1927, p. 10. Wanner, 1931, p. 14. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 218. Cuénot, 1948, p. 62. Webster, 1973, p. 258. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T752.  
*TIMOROCYSTIS* Lambert, 1914, p. 185. Wanner, 1916, p. 284. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 218. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T752.  
 Named, currently recognized species based on cups or crowns: 10 Permian species,  
 4 subspecies, series uncertain  
 Permian, series uncertain. West Timor

*Timorechinus alatus* (Wanner, 1916) = *Timorechinus mirabilis*

*Timorechinus decurtatus* (Wanner, 1916). Bassler and Moodey, 1943, p. 712. Branson, 1948, p. 216.

*Timorocrinus decurtatus* Wanner, 1916, p. 209, Pl. 113 (18), fig. 10. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.  
 Permian, series uncertain. West Timor, Basleo

*Timorechinus lacertosus* (Wanner, 1924). Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

*Timorocrinus lacertosus* Wanner, 1924, p. 273, Pl. 11, figs. 9-12. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.  
 Permian, series uncertain. West Timor, Basleo

*Timorechinus maximus* (Wanner, 1924). Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

*Timorocrinus maximus* Wanner, 1924, p. 277, Pl. 11, figs. 13-15. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.  
 Permian, series uncertain. West Timor, Basleo, Nefotassi

*Timorechinus mirabilis* Wanner, 1910, p. 125, Pl. 1, figs. 1-7; 2, figs. 6, 10-11 only. Wanner, 1912, p. 600, Figs. 1-5. Abel, 1920, p. 266, Fig. 413. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216. Yakovlev, 1964b, p. 62, Fig. 80 (incorrectly given as *Timorocrinus* p. 62). Meyer and Ausich, 1983, p. 382, Fig. 1, no. b. Webster, 1973, p. 259. Ubaghs *in* Moore and Teichert, 1978, p. T189, Fig. 159, no. 6. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T752, Fig. 499, no. 4. Webster, 1986, p. 308. Webster, 1988, p. 160. Stinchfield, 2008, p. 167, Fig. 09-19.

*Timorocrinus mirabilis* (Wanner, 1910). Wanner, 1916, p. 286, Pls. 109 (14), fig. 11; 112 (17), figs. 1-7; 114 (19), figs. 1-2. Wanner, 1924, p. 269, Pl. 10, fig. 10. Abel, 1924, p. 278, Fig. 413. Diener, 1927, p. 10, Pl. 2, figs. 1-2. Wanner, 1931, p. 15, Pls. 2, figs. 13-14; 3, figs. 1-18. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216. Cuénot, 1948, p. 62, Fig. 79. Webster, 1973, p. 259.

*Timorocystis mirabilis* (Wanner, 1910). Lambert, 1911, p. 185. Branson, C. C., 1948, p. 216.

*Timorocrinus alatus* Wanner, 1916, p. 298, Pls. 112 (17), fig. 9; 113 (18), figs. 1, 3. Wanner, 1924, p. 274, Pl. 11, fig. 19. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

*Timorechinus alatus* (Wanner, 1916). Branson, C. C., 1948, p. 216.

*Timorocrinus alatus* var. *major* Wanner, 1916, p. 299, Pls. 112 (17), fig. 8; 114 (19), fig. 9. Bassler and Moodey, 1943, p. 712.

*Timorocrinus alatus major* Wanner, 1916. Branson, C. C., 1948, p. 216.

*Timorechinus mirabilis major* (Wanner, 1916). Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

Permian, series uncertain. West Timor, Basleo

*Timorechinus mirabilis* Wanner, 1910 (part) = *Timorechinus spinosus*

*Timorechinus mirabilis major* (Wanner, 1916) = *Timorechinus mirabilis*

*Timorechinus mirabilis vermistriatus* (Wanner, 1931). Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

*Timorocrinus mirabilis* var. *vermistriata* Wanner, 1931, p. 18, Pl. 4, figs. 1-4. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 216.

Permian, series uncertain. West Timor, Basleo

*Timorechinus multicostatus* Wanner, 1910, p. 132, Pl. 2, figs. 1-4. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 217.

*Timorocrinus multicostatus* Wanner, 1924, p. 270, Pl. 10, figs. 11-15. Wanner, 1931, p. 19, Pls. 3, fig. 19; 4, figs. 5-10; 5, fig. 1. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 217.

*Timorocrinus mirabilis* var. *multicostata* Wanner, 1916, p. 296, Pls. 109 (14); fig. 12; 112 (17), fig. 10; 113 (18), fig. 2; 114 (19), fig. 3; Fig. 80. Bassler and Moodey, 1943, p. 712.

*Timorocrinus mirabilis multicostata* Wanner, 1916. Branson, C. C., 1948, p. 217.

*Timorocrinus tenuicostatus* Wanner, 1924, p. 275, Pl. 11, figs. 6-8. Bassler and Moodey, 1943, p. 712.

*Timorechinus tenuicostatus* (Wanner, 1924). Branson, C. C., 1948, p. 217.

Permian, series uncertain. West Timor, Basleo

*Timorechinus* spec. ind. aff. *multicostatus* (Wanner, 1931).

*Timorocrinus* spec. ind. aff. *multicostatus* Wanner, 1931, p. 22, Pl. 5, figs. 2-4.

Permian, series uncertain. West Timor

*Timorechinus nefotassiensis* (Wanner, 1924). Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus nefotassiensis* Wanner, 1924, p. 270, Pl. 10, figs. 18-19; Figs. 61-62. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

Permian, series uncertain West Timor, Nefotassi

*Timorechinus ovatus* (Wanner, 1924). Branson, 1948, p. 217.

*Timorocrinus ovatus* Wanner, 1924, p. 278, Pls. 10, fig. 20; 11, fig. 5. Bassler and Moodey, 1943, p. 712. Branson, C. C., 1948, p. 217.  
Permian, series uncertain. West Timor, Basleo

*Timorechinus pentagonalis* (Wanner, 1916). Bassler and Moodey, 1943, p. 713.  
Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* var. *pentagonalis* Wanner, 1916, p. 305, Pls. 113 (18), figs. 6-7; 114 (19), figs. 5-7. Wanner, 1924, p. 276, Pl. 11, figs. 16-17 only. Bassler and Moodey, 1943, p. 713.

*Timorocrinus spinosus pentagonalis* Wanner, 1916. Branson, C. C., 1948, p. 217.

*Timorocrinus pentagonalis* Wanner, 1931, p. 24, Pl. 5, figs. 7-10. Wanner, 1937, p. 197, Fig. 69. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* var. *informis* Wanner, 1916, p. 308, Pls. 113 (18), fig. 12; 114 (19), fig. 8. Bassler and Moodey, 1943, p. 713.

*Timorocrinus spinosus informis* Wanner, 1916. Branson, C. C., 1948, p. 217.

*Timorechinus spinosus informis* (Wanner, 1916). Branson, C. C., 1948, p. 217.  
Permian, series uncertain. West Timor, Basleo

*Timorechinus pentagonalis nodosus* (Wanner, 1937). Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus pentagonalis* var. *nodosa* Wanner, 1937, p. 197, Pl. 13, figs. 10-12.  
Bassler and Moodey, 1943, p. 713.

*Timorocrinus pentagonalis nodosa* Wanner, 1937. Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* var. *pentagonalis* Wanner, 1924, p. 276, Pl. 11, figs. 2-4 only. Bassler and Moodey, 1943, p. 713.

*Timorechinus spinosus pentagonalis* (Wanner, 1916). Branson, C. C., 1948, p. 217.  
Permian, series uncertain. West Timor, Basleo

*Timorechinus proboscideus* (Wanner, 1916). Bassler and Moodey, 1943, p. 713.  
Branson, C. C., 1948, p. 217.

*Timorocrinus proboscideus* Wanner, 1916, p. 310, Pl. 113 (18), fig. 13; Fig. 87.  
Wanner, 1924, p. 198, Pl. 13, figs. 13-16; Fig. 70. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

Permian, series uncertain. West Timor, Basleo

*Timorechinus spinosus* (Wanner, 1916). Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* Wanner, 1916, Pl. 113 (18), figs. 4-5, 8, 11; Figs. 81-85.

Wanner, 1924, p. 276, Pl. 11, fig. 1. Wanner, 1931, p. 22, Pl. 5, figs. 5-6. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorechinus mirabilis* Wanner, 1910, p. 125, Pl. 2, fig. 5 only. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

Permian, series uncertain. West Timor, Noil Fatoe

*Timorechinus spinosus amarassicus* (Wanner, 1916). Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* var. *amarassica* Wanner, 1916, Pl. 114 (19), fig. 4. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.  
Permian, series uncertain. West Timor, Koeafeoe

*Timorechinus spinosus incisus* (Wanner, 1916). Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.

*Timorocrinus spinosus* var. *incisus* Wanner, 1916, p. 308, Pl. 113 (18), fig. 8; Fig. 86. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 217.  
Permian, series uncertain. West Timor, Basleo

*Timorechinus spinosus informis* (Wanner, 1916) = *Timorechinus pentagonalis*

*Timorechinus spinosus pentagonalis* (Wanner, 1916) = *Timorechinus pentagonalis nodosus*

*Timorechinus tenuicostatus* (Wanner, 1924) = *Timorechinus multicostatus*

**TIMOROCIDARIS** Wanner, 1920. \**T. sphaeracantha* Wanner, 1920.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. West Timorocidaroida, F. West Timorocidaridae

Wanner, 1920a, p. 1. Wanner, 1920b, p. 797. Bather, 1920a, p. 371. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 218.

Webster, 1973, p. 259. Etensohn, 1984, p. 66, Fig. 1. Arendt, 1981, p. 83.

Webster, 1986, p. 308. Webster, 1988, p. 160.

Named, currently recognized species based on cups or crowns: 6 Permian, species uncertain

Permian, series uncertain. West Timor

*Timorocidaris baculiformis* Wanner, 1940, p. 225, Pl. 18, figs. 30-34. Branson, C. C., 1948, p. 218. Arendt, 1981, p. 84, Fig. 21, nos. u-kh. Webster, 1988, p. 160.  
Permian, series uncertain. West Timor

*Timorocidaris clavaeformis* Wanner, 1940, p. 226, Pls. 17, figs. 25-48; 18, figs. 1-18. Branson, C. C., 1948, p. 218. Arendt, 1981, p. 84, Fig. 21, nos. ts-ch (typographical error as *T. clavaeformis* p. 84). Webster, 1988, p. 160.  
Permian, series uncertain. West Timor

*Timorocidaris fungiformis* Wanner, 1940, p. 228, Pl. 18, figs. 28-29. Branson, C. C., 1948, p. 218.

Permian, series uncertain. West Timor

*Timorocidaris fusiformis* Wanner, 1940, p. 225, Pl. 18, figs. 21-27. Branson, C. C., 1948, p. 218. Arendt, 1981, p. 84, Figs. 21, no. t; 22, no. a. Webster, 1988, p. 160.

Permian, series uncertain. West Timor

*Timorocidaris* cf. *fusiformis* Wanner, 1940. Wanner, 1950, p. 360, Fig. 1. Webster, 1973, p. 259.



Permian, series uncertain. West Timor

*Timorocidaris pistilliformis* Wanner, 1940, p. 224, Pl. 18, figs. 19-20. Branson, C. C., 1948, p. 218. Arendt, 1981, p. 84, Fig. 21, no. s. Webster, 1988, p. 160.  
Permian, series uncertain. West Timor

*Timorocidaris sphaeracantha* Wanner, 1920, p. 697, Unnum. Pl., figs. 1 -13. Bassler, 1938, p. 185. Wanner, 1940, p. 218, Pls. 15, figs. 1-52; 16, figs. 1-25; 17, figs. 1-24; Figs. 1-11. Bassler and Moodey, 1943, p. 713. Branson, C. C., 1948, p. 218. Lakeman, 1950, p. 100, Fig. 1. Wanner, 1950, p. 366, Figs. 2-3. Webster, 1973, p. 259. Ubaghs *in* Moore and Teichert, 1978, p. T93, Fig. 70, no. 3. Webster, 1986, p. 308.  
Permian, series uncertain. West Timor, Basleo

*Timorocidaris* sp. Lakeman, 1950, p. 100, Figs. 2, 4, 7-8. Webster, 1973, p. 259.  
Permian, series uncertain. West Timor

*TIMOROCRINUS* Wanner, 1912 = **TIMORECHINUS**

*Timorocrinus alatus* Wanner, 1916 = *Timorechinus mirabilis*

*Timorocrinus alatus major* Wanner, 1916 = \* *Timorechinus mirabilis*

*Timorocrinus alatus* var. *major* Wanner, 1916 = *Timorechinus mirabilis major*

*Timorocrinus decurtatus* Wanner, 1916 = *Timorechinus decurtatus*

*Timorocrinus lacertosus* Wanner, 1924 = *Timorechinus lacertosus*

*Timorocrinus maximus* Wanner, 1924 = *Timorechinus maximus*

*Timorocrinus mirabilis* (Wanner, 1910) = *Timorechinus mirabilis*

*Timorocrinus mirabilis multicostata* Wanner, 1916 = *Timorechinus multicostatus*

*Timorocrinus mirabilis* var. *multicostata* Wanner, 1916 = *Timorechinus multicostatus*

*Timorocrinus mirabilis* var. *vermistriata* Wanner, 1931 = *Timorechinus mirabilis vermistriatus*

*Timorocrinus multicostatus* Wanner, 1916 = *Timorechinus multicostatus*

*Timorocrinus* spec. ind. aff. *multicostatus* Wanner, 1931 = *Timorechinus* spec. ind. aff. *multicostatus*

*Timorocrinus nefotassiensis* Wanner, 1924 = *Timorechinus nefotassiensis*

*Timorocrinus ovatus* Wanner, 1924 = *Timorechinus ovatus*

*Timorocrinus pentagonalis* Wanner, 1931 = *Timorechinus pentagonalis*

*Timorocrinus pentagonalis nodosa* Wanner, 1937 = *Timorechinus pentagonalis nodosus*

*Timorocrinus pentagonalis* var. *nodosa* Wanner, 1937 = *Timorechinus pentagonalis nodosus*

*Timorocrinus proboscideus* Wanner, 1916 = *Timorechinus proboscideus*

*Timorocrinus spinosus* Wanner, 1916 = *Timorechinus spinosus*

*Timorocrinus spinosus* var. *amarassica* Wanner, 1916 = *Timorechinus spinosus amarassicus*

*Timorocrinus spinosus* var. *incisus* Wanner, 1916 = *Timorechinus spinosus incisus*

*Timorocrinus spinosus informis* Wanner, 1916 = *Timorechinus pentagonalis*

*Timorocrinus spinosus* var. *informis* Wanner, 1916 = *Timorechinus pentagonalis*

*Timorocrinus spinosus pentagonalis* Wanner, 1924 (part) = *Timorechinus pentagonalis*

*Timorocrinus spinosus* var. *pentagonalis* Wanner, 1924 (part) = *Timorechinus pentagonalis*

*Timorocrinus spinosus* var. *pentagonalis* Wanner, 1924 (part) = *Timorechinus pentagonalis nodosus*

*Timorocrinus tenuicostatus* Wanner, 1924 = *Timorechinus multicostatus*

**TIMOROCYSTIS** Lambert, 1914 = **TIMORECHINUS**

*Timorocystis mirabilis* (Wanner, 1916) = *Timorechinus mirabilis*

**TITANOCRINUS** Guensburg and Sprinkle, 2003. \**Titanocrinus sumralli* Guensburg and Sprinkle, 2003.

Order Protocrinoida, F. Titanocrinidae

Guensburg and Sprinkle, 2003a, p. 18. Guensburg and Sprinkle, 2007, p. 280, Fig. 1, no. A.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Tremadocian

Early Ordovician, Tremadocian. United States, Utah

- \**Titanocrinus sumralli* Guensburg and Sprinkle, 2003a, p. 18, Pls. 1-3; Figs. 5-7, frontispiece;. Guensburg and Sprinkle, 2003b, p. 3, figs. 1, 3 Guensburg and Sprinkle, 2009, p. 358, Fig. 7.4. Guensburg and Sprinkle, 2010, p. 566, Figs. 1-2. Guensburg, 2012, p. 456, Fig. 1, no. A.  
Early Ordovician, early Tremadocian, lower part of Fillmore Formation. United States, Utah
- Titanocrinus* species Guensburg and Sprinkle, 2003a, p. 19, Pls. 4; 9, fig. 4.  
Early Ordovician, Tremadocian, lower part of Fillmore Formation. United States, Utah
- "Tiny V-shaped plates" Sprinkle, 1971, p. D94, Fig. 1, nos. 85-86 (brachials?).  
Webster, 1977, p. 182.  
Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada
- TIROCRINUS** Ausich, 1987. \**T. trochos* Ausich, 1987.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinitoidea, F. Periechocrinidae  
Ausich, 1987a, p. 555. Webster, 1993, p. 120.  
Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species  
Silurian, late early or middle Llandoveryian. United States, Ohio
- \**Tirocrinus trochos* Ausich, 1987a, p. 555, Figs. 2, nos. 3, 5; 3, no. 1. Webster, 1993, p. 120.  
Silurian, late early or middle Llandoveryian, Brassfield Formation. United States, Ohio
- TITANOCRINUS** Guensburg and Sprinkle, 2003. \**Titanocrinus sumralli* Guensburg and Sprinkle, 2003.  
O. Protocrinoida, F. Titanocrinidae  
Guensburg and Sprinkle, 2003a, p. 18. Guensburg and Sprinkle, 2007, p. 280, Fig. 1, no. A.  
Named, currently recognized species based on cups or crowns: 2 Ordovician, Tremadocian species  
Ordovician, Tremadocian. United States, Utah
- \**Titanocrinus sumralli* Guensburg and Sprinkle, 2003a, p. 18, Pls. 1-3; Figs. 5-7, frontispiece;. Guensburg and Sprinkle, 2003b, p. 3, figs. 1, 3 Guensburg and Sprinkle, 2009, p. 358, Fig. 7.4. Guensburg and Sprinkle, 2010, p. 566, Figs. 1-2.  
Ordovician, early Tremadocian, lower part of Fillmore Formation. United States, Utah
- Titanocrinus* species Guensburg and Sprinkle, 2003a, p. 19, Pls. 4; 9, fig. 4.  
Ordovician, Tremadocian, lower part of Fillmore Formation. United States, Utah
- TORMOSOCRINUS** Eckert and Brett, 2001. \**Tormosocrinus furberi* Eckert and Brett,

2001.

Sbc. Camerata, O. Diplobathrida, Sbo. Eudiplobathrina, Spf. Rhodocrinitoidea, F. Emperocrinidae

Eckert and Brett, 2001, p. 22.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, late Llandoveryian. United States, New York

\**Tormosocrinus furberi* Eckert and Brett, 2001, p. 22, Pl. 4, figs. 1-14; Figs. 5, 6, no.s. A-D.

Silurian, late Llandoveryian, Wolcott Limestone. United States, New York

**TORNATILICRINUS** Guensburg, 1984. \**T. longicaudis* Guensburg, 1984.

Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea, F. Iocrinidae

Guensburg, 1984, p. 50. Webster, 1988, p. 160. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 2 Ordovician, Sandbian species

Ordovician, Sandbian (middle Champlainian). United States

\**Tornatilicrinus longicaudis* Guensburg, 1984, p. 50, Pl. 9, figs. 3-5, 9, 12-13, 20: Fig. 10. Webster, 1988, p. 160.

Ordovician, Sandbian (middle Champlainian), Lebanon Limestone. United States, Tennessee

*Tornatilicrinus modestus* (Safford, 1869). Guensburg, 1984, p. 51. Webster, 1988, p. 160.

*Dendrocrinus modestus* Safford, 1869, p. 285. Weller, S., 1898c, p. 397. Bassler and Moodey, 1943, p. 415. Guensburg, 1984, p. 51. Webster, 1988, p. 160.

Ordovician, Sandbian (middle Champlainian), Lebanon Limestone. United States, Tennessee

Tortoise encrinite Cumberland, 1826 = *Crotalocrinites verucosus*

**TRAMPIDOCRINUS** Lane and Webster, 1966. \**T. phiala* Lane and Webster, 1966.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Sagenocrinitidae

Lane and Webster, 1966, p. 17. Webster, 1973, p. 259. Moore *in* Moore and

Teichert, 1978, p. T800, Figs. 50-6, no. 10; 508, no. 3b. Webster, 1986, p. 308.

Named, currently recognized species based on cups or crowns: 2 Permian, Wolfcampian species

Permian, middle Wolfcampian. United States, Nevada

*Trampidocrinus bellicus* Lane and Webster, 1966, p. 21, Pls. 2, figs. 3, 5-7; 3, fig. 1.

Webster and Lane, 1967, p. 10, Pl. 1, figs. 14-15; Fig. 3. Webster, 1973, p. 259.

Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

\**Trapidocrinus phiala* Lane and Webster, 1966, p. 20, Pl. 2, figs. 1-2, 4; Fig. 6.  
 Webster and Lane, 1967, p. 10, Pl. 1, figs. 11-12. Webster, 1973, p. 259. Moore  
*in* Moore and Teichert, 1978, p. T800, Figs. 535, no. 3; 536, nos. 2a-2c.  
 Webster,  
 1986, p. 308.  
 Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States,  
 Nevada

*Trapidocrinus* sp. Lane and Webster, 1967, 14, Fig. 4. Webster, 1973, p. 259.  
 Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States,  
 Nevada

**TRAPEZOCRINUS** Haude, 2007. \**Trapezocrinus scheeri* Haude, 2007  
 Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Gasterocomidae  
 Haude, 2007, p. 310, Fig. 7.  
 Named, currently recognized species based on cups or crowns: 3 Devonian species,  
 1 subspecies, 1 Eifelian – Givetian, 2 Givetian (+1 subspecies)  
 Devonian, Eifelian – Givetian. Germany

*Trapezocrinus hilperti* Haude, 2007, p. 314, Pl. 2, figs. E-M.  
 Devonian, middle Givetian, Finnentrop Formation. Germany

\**Trapezocrinus scheeri* Haude, 2007, p. 312, Pls. 1, figs. G-K; 2, figs. A-D.  
 Devonian, middle Givetian, Finnentrop Formation. Germany

*Trapezocrinus subvexus* (Bohatý, 2006). Haude, 2007, p. 312.  
*Nanocrinus subvexus* Bohatý, 2006a, p. 424, Figs. 9; 10, nos. 1-4.. Haude, 2007, p.  
 313.  
*Nanicrinus paradoxus* Müller. Schultze, 1866, Pl. 12, figs. 7d-7h only. Bohatý,  
 2006a, p. 424.  
*Nanocrinus paradoxus* Müller. Moore and Teichert, 1978, p. 586, Fig. 376, no. 1d.  
 Bohatý, 2006a, p. 424.  
 Devonian, late Eifelian – early Givetian, Loogh Formation, upper part of Ahbach  
 Formation. Germany

*Trapezocrinus subvexus granulatus* (Bohatý, 2006). Haude, 2007, p. 315.  
*Nanocrinus subvexus granulatus* Bohatý, 2006a, p. 428, Figs. 11, nos. 1-4; 12.  
*Scoliocrinus eremita* Jaekel. Hauser, 1997, Fig. 39, nos. 2-4. Bohatý, 2006a, p. 428.  
 Devonian, early Givetian, Boundarybeds Ahbach Formation/Loogh Formation.  
 Germany

**TRAPEZOPTERUM** Moore, 1939. *Nomen vetitum* \**Poteriocrinus* (*Graphiocrinus*  
*Scaphiocrinus*) *scalaris* Meek and Worthen, 1869.  
 Moore, 1939b, p. p. 246. Jeffords *in* Moore and Teichert, 1978, p. T937. (Brachial  
 plates)  
 Mississippian, Viséan (Osagean). United States, Iowa

\**Trapezopterum scalaris* (Meek and Worthen, 1870) = *Decadocrinus scalaris*

*TRASKOCRINUS* Kolata, 1975 = **RETEOCRINUS**

*Traskocrinus mahlburgi* Kolata, 1975 = *Reteocrinus mahlburgi*

**TRAUTSCHOLDICRINUS** Yakovlev and Ivanov *in* Yakovlev, 1939. \*T.  
*miloradowitschi* Yakovlev, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F.  
Decadocrinidae

Ivanov, 1926, p. 176 (*nomen nudum*). Yakovlev and Ivanov *in* Yakovlev, 1939a, p. 66. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 714. Mu, 1950a, p. 86. Strimple and Watkins, 1969, p. 199. Webster, 1973, p. 259. Webster, 1977, p. 171. Moore and Strimple *in* Moore and Teichert, 1978, p. T688. Webster, 1986, p. 309. Webster, 1993, p. 120.

*IVANOVICRINUS* Yakovlev *in* Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 259.

Named, currently recognized species based on cups or crowns: 2 Pennsylvanian, Moscovian species  
Pennsylvanian, Moscovian. Russia

*TRAUTSCHOLDICRINUS* Moore and Plummer, 1939 = *TALANTEROCRINUS* = *SYNEROCRINUS* = *AEXITROPHOCRINUS*

*Trautscholdicrinus intermedius* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 714.  
Pennsylvanian, Moscovian. Russia

*Trautscholdicrinus mcguirei* Moore, 1939 = *Talanterocrinus mcguirei* = *Aexitrophocrinus mcguirei*

\**Trautscholdicrinus miloradowitschi* Yakovlev, 1939a, p. 66, Pl. 12, fig. 4. Yakovlev and Ivanov, 1956, p. 23, Pl. 6, figs. 1-2. Webster, 1973, p. 259. Moore and Strimple *in* Moore and Teichert, 1978, p. T688, Fig. 453, no. 2. Webster, 1986, p. 309.

*Ivanovicrinus miloradowitschi* (Yakovlev, 1939). Yakovlev *in* Arendt and Hecker, 1964, p. 91, Pl. 13, fig. 1. Webster, 1973, p. 259.  
Pennsylvanian, Moscovian. Russia, Moscow Basin

*Trautscholdicrinus obliquus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 714.  
Pennsylvanian, Moscovian. Russia

*Trautscholdicrinus* spp.

Yakovlev and Ivanov, 1956, p. 22, Pl. 6, fig. 3. Webster, 1973, p. 259.  
Pennsylvanian (C3ks). Russia, Moscow Basin

Webster and Jell, 1992, p. 340, Figs. 14, nos. B-D.

Permian, Artinskian, Fossil Cliffs Formation. Australia, Western Australia, Perth

## Basin

*Trautscholdicrinus?* sp. indt. Hashimoto, 1984, p. 12, Pl. 3, figs. 3a-3c; Fig. 5, nos. 3a-3b. Webster, 1993, p. 120.

Pennsylvanian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone. Japan

**TREMATOCRINUS** Hall, 1859 = **GILBERTSOCRINUS**

*Trematocrinus fiscellus* Meek and Worthen, 1860 = *Gilbertsocrinus*  
(*Goniasteroidocrinus*) *fiscellus* = *G. fiscellus*

*Trematocrinus papillatus* Hall, 1859 = *Gilbertsocrinus typus*

*Trematocrinus reticulatus* Hall, 1861 = *Gilbertsocrinus reticulatus*

*Trematocrinus robustus* Hall, 1859 (*non* Münster, 1839) = *Gilbertsocrinus tuberosus* =  
*G. robustus*

*Trematocrinus spinigerus* Hall, 1862 = *Gilbertsocrinus spinigerus*

*Trematocrinus tuberculatus* Hall, 1859 = *Gilbertsocrinus tuberculosus*

*Trematocrinus tuberculosus* Hall, 1859 = *Gilbertsocrinus tuberculosus*

*Trematocrinus tuberosus* (Lyon and Casseday, 1859) = *Gilbertsocrinus tuberosus*

*Trematocrinus typus* Hall, 1859 = *Gilbertsocrinus* (*Trematocrinus*) *typus* = *G. typus*

**TREOCRINUS** Prokop and Petr, 1991. \**T. ericius* Prokop and Petr, 1991, OD.

Sbc. Cladida, O. Cyathocrinida, Spf. Codicrinoidea, family uncertain

Prokop and Petr, 1991a, p. 134.

Named, currently recognized species based on cups or crowns: 1 Devonian, Emsian  
species

Devonian, late Emsian. Czech Republic

\**Treocrinus ericius* Prokop and Petr, 1991a, p. 134, Pl. 4, figs. 1-5; 1998a, p. 9, Pls. 2,  
figs. 3-5; 3, fig. 1.

Devonian, late Emsian, Trebotov Limestone. Czech Republic, Bohemia

**TRIACRINUS** Münster, 1839. \**T. pyriformis* Münster, 1839.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Münster, 1839, p. 3. d'Orbigny, 1849-51, p. 145. d'Orbigny, 1850, p. 104. Zittel,  
1880, p. 342, 347. Wachsmuth and Springer, 1886, p. 174 (98). Zittel, 1895, p.  
125. Koken, 1896, p. 280. Bather *in* Lankester, 1900, p. 149. Wachsmuth *in*  
Zittel, 1900, p. 136. Jaekel, 1902, p. 1101, Fig. 28, no. C. Steinmann, 1903, p.  
173. Steinmann, 1907, p. 194. Jaekel, 1918, p. 85. Bassler, 1938, p. 186.  
Bassler and Moodey, 1943, p. 714. Moore and Laudon, 1943b, p. 30. Cuénot,

1948, p. 60. Ubaghs, 1953, p. 746, Fig. 11, no. b. Bouska, 1956a, p. 37, Fig. 10. Moore, 1962b, p. 14, Fig. 6, no. 4. Strimple, 1963d, p. 37, Fig. 8, no. a. Arendt and Hecker, 1964, p. 81. Weyer, 1965, p. 969, Unnum. Fig. Webster, 1973, p. 259. Webster, 1977, p. 171. Moore and Lane *in* Moore and Teichert, 1978, p. T536. Rozhnov, 1981, p. 105. Webster, 1986, p. 309. Webster, 1988, p. 160. Webster, 1993, p. 120.

Named, currently recognized species based on cups or crowns: 8 species. 1  
Silurian, Wenlockian; 7 Devonian, 3 Emsian, 2 Eifelian, 2 Famennian  
Silurian, Wenlockian. Sweden, Gotland  
Devonian, Emsian - Famennian: Europe

*TRIACRINUS* Ringueberg, 1884 (*non* Münster, 1839) = **PISOCRINUS**

*TRIACRINUS* Termier and Termier, 1950 (*non* Münster, 1839) = **BECHAROCRINUS**

*Triacrinus altus* (Müller, 1856) = *Trichocrinus altus*

*Triacrinus depressus* (Müller, 1856) = *Pisocrinus (Pisocrinus) depressus*

*Triacrinus elongatus* Follman, 1887, p. 114, Pl. 1, figs. 1-1a. Jaekel, 1895a, p. 46, Pl. 3, fig. 1. Frech, 1897-1902, p. 145, Pl. 23B, figs. 5a-5b. Steinmann, 1903, p. 173, Fig. 239, nos. A-C. Steinmann, 1907, p. 194, Fig. 274, nos. A-B. Schmidt, W. E., 1934, p. 22, Pl. 2, fig. 3; 12, fig. 2; Fig. 2, nos. a-b. Wanner, 1943, Unnum. Fig. p. 31. Strimple, 1963d, Figs. 9, no. a; 10, no. j. Weyer, 1965, p. 970. Webster, 1973, p. 259. Webster, 1977, p. 171. Moore and Lane *in* Moore and Teichert, 1978, p. T537, Fig. 333, nos. 1j-1k. Webster, 1986, p. 309. Bartels and Brassel, 1990, p. 163, Fig. 148, no. a. Bartels *et al.*, 1997, p. 40, Fig. 48. Bartels, Briggs, and Brassel, 1998, p. 160, Fig. 160.  
Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

*Triacrinus elongatus* Opitz, 1932 (*non* Follman, 1887) = *Triacrinus kutscheri*

*Triacrinus globosus* Ringueberg, 1884 = *Pisocrinus (Granulosocrinus) globosus*

*Triacrinus gothlandicus* Quenstedt, 1876, p. 631, Pl. 112, figs. 40-42. Bassler and Moodey, 1943, p. 715.  
Silurian, Wenlockian. Sweden, Isle of Gotland

*Triacrinus granulatus* Münster, 1839, p. 33. Bassler and Moodey, 1943, p. 715. Weyer, 1965, p. 974, Pls. 1, fig. 2; 2, figs. 1a-1e. Webster, 1973, p. 260. Weyer, 1979, p. 99, Pl. 4, fig. 3. Webster, 1986, p. 309. Lane, Maples, and Waters, 2001b, p. 243.  
Devonian, Famennian, *Clymenia* Limestone; *Wocklumaria* Limestone. Germany



- Triacrinus koenigswaldi* Schmidt, W. E., 1934, p. 23, Pls. 2, figs. 1-2; 26, fig. 1; Fig. 2, no. c. Bassler and Moodey, 1943, p. 715. Weyer, 1965, p. 970. Webster, 1973, p. 260. Bartels, Briggs, and Brassel, 1998, p. 179, Fig. 155; p. 185, Fig. 161. Hess *in* Hess et al., 1999 p. 117, Fig. 129.  
Devonian, late Siegenian - early Emsian, Hunsrückschiefer. Germany, Bundenbach
- Triacrinus kutscheri* Schmidt, W. E., 1934, p. 23, Pls. 2, figs. 4a-4b; 34, fig. 5. Opitz, 1935, p. 509, Fig. 4. Schmidt, W. E., 1942, p. 17, Pl. 1, fig. 1. Bassler and Moodey, 1943, p. 715. Weyer, 1965, p. 970. Webster, 1973, p. 260.  
*Triacrinus elongatus* Opitz, 1932 (*non* Follman, 1887), p. 111, Fig. 110. Bassler and Moodey, 1943, p. 715.  
Devonian, early Emsian, Hunsrückschiefer. Germany
- Triacrinus lutulentus* Dubatolova, 1964 = *Trichocrinus lutulentus*
- Triacrinus orisconcavus* Gupta and Webster, 1980, p. 8, Pls. 1, figs. 9-11; 2, figs. 16-20. Webster and Gupta, 1985, p. 63. Webster, 1986, p. 309. Webster, 1988, p. 161.  
**Note:** Most Gupta localities considered fraudulent, Webster, 1991a. Not included in species count.  
Early Devonian, Tanze Formation. India, Ladakh
- Triacrinus paradoxus* Termier and Termier, 1950 = *Becharocrinus paradoxus*
- Triacrinus polydonta* Roemer, F. A., 1866b, p. 222. Bassler and Moodey, 1943, p. 715.  
Devonian, Eifelian, Wissenbach Beds. Germany
- Triacrinus prantli* Bouska, 1956a, p. 38, Pl. 6, figs. 2-5. Weyer, 1965, p. 970. Webster, 1973, p. 260. Prokop and Petr, 1990, p. 40-41. Webster, 1993, p. 120.  
Devonian, Eifelian, *Acanthopyge* Limestone. Czech Republic
- Triacrinus pyriformis* Ringueberg, 1884 = *Pisocrinus pyriformis* = *P. (Granulosocrinus) pyriformis*
- \**Triacrinus pyriformis* Münster, 1839, p. 33, Pl. 1, figs. 4a-4c. d'Orbigny, 1850, p. 104. Schmidt, W. E., 1930, p. 6, Fig. 1. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 715. Weyer, 1965, p. 971, Pl. 1, figs. 1a-1e. Webster, 1973, p. 260. Lane, Maples, and Waters, 2001b, p. 243. Haude, 2004b, p. 240, Pl. 1, fig. 13; Fig. 4.  
Devonian, late Famennian, Etröeungt, Middle *expansa* Biozone. Germany
- Triacrinus quadrifrons* Schultze, 1866, Müller, 1965 = *Tiaracrinus quadrifrons*
- Triacrinus regnelli* Bouska, 1956 = \**Regnellocrinus regnelli*
- Triacrinus* spp.  
Koenigswald, 1931, p. 351, Figs. 13, 16-18.

Devonian, early Emsian, Bundenbacher Schiefers. Germany  
Bartels and Brassel, 1990, p. 162, Fig. 147.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach  
Bartels and Blind, 1995, p. 80, Fig. 1.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach  
Bartels *et al.*, 1997, p. 40, Fig. 56.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach  
Bartels, Briggs, and Brassel, 1998, p. 181, Fig. 157.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Triangular plate with slits Sprinkle and Wahlman, 1994, p. 335, Fig. 6.12.

Ordovician, middle Arenig, El Paso Group. United States, Texas

**TRIANOBASIS** Moore, 1939. *Nomen vetitum* \**T. bridwelli* Moore, 1939.

Moore, 1939b, p. 203. Jeffords *in* Moore and Teichert, 1978, p. T937. (Basal or  
infrabasals circlets)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Virgilian species

Pennsylvanian, Virgilian. United States, Kansas

\**Trianobasis bridwelli* Moore, 1939b, p. 203, Pl. 2, figs. 2a-2b.

Pennsylvanian, Virgilian, Oread Limestone, Toronto Limestone Member. United  
States, Kansas

**TRIBLIOCRINUS** Springer, 1913 = **TRYBLIOCRINUS**

**TRIBOLOPORUS** Kesling and Paul, 1968. \**T. cryptoplicatus* Kesling and Paul, 1968.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Porocrinidae

Kesling and Paul, 1968, p. 13. Webster, 1973, p. 260. Lane and Moore *in* Moore  
and Teichert, 1978, p. T589. Webster, 1986, p. 309. Ausich, 1998b, p. 34.

Named, currently recognized species based on cups or crowns: 2 Ordovician,  
Sandbian species

Ordovician, Sandbian (Champlainian). United States

\**Triboloporus cryptoplicatus* Kesling and Paul, 1968, p. 13, Pl. 1, figs. 1-8; Figs. 3, no.

a; 7. Webster, 1973, p. 260. Paul, 1975, p. 16, Fig. 1, no. A. Ubaghs *in* Moore  
and Teichert, 1978, p. T212, Fig. 180, no. 2, 6. Lane and Moore *in* Moore and  
Teichert, 1978, p. T589, Fig. 379, no. 1. Webster, 1986, p. 310.

Ordovician, Sandbian (Champlainian), Benbolt Limestone. United States, Virginia

*Triboloporus xystrotus* Kesling and Paul, 1968, p. 21, Pl. 2, figs. 1-7; Figs. 3, no. b; 8.

Webster, 1973, p. 260. Paul, 1975, p. 16, Fig. 1, no. B. Ubaghs *in* Moore and  
Teichert, 1978, p. T212, Fig. 180, no. 7. Webster, 1986, p. 310.

Ordovician, Sandbian (Champlainian), Chambersburg Limestone. United States,  
Pennsylvania

**TRIBRACHIOCRINUS** of authors = **TRIBRACHYOCRINUS**

*Tibrachiocrinus caledonicus* Wright, 1936 = *Hosieocrinus caledonicus*

*Tibrachiocrinus clarkei* (M'Coy, 1847) = *Tibrachyocrinus clarkei*

*Tibrachiocrinus clarkei* Etheridge, 1892 (*non* M'Coy, 1844) = *Tibrachyocrinus* sp. indet. 1.

*Tibrachiocrinus clarkei* Etheridge, 1892 (*non* M'Coy, 1844) = *Tibrachyocrinus* sp. indet. 2.

*Tibrachiocrinus clarkii* (M'Coy, 1847). Dujardin and Hupé, 1862 = \**Tibrachyocrinus clarkei*

*Tibrachiocrinus corrugatus* Ratte, 1885 = *Tibrachyocrinus corrugatus*

*Tibrachiocrinus granulatus* Etheridge, 1892 = *Tibrachyocrinus granulatus*

*Tibrachiocrinus ornatus* Etheridge, 1892 = *Tibrachyocrinus ornatus* = *Nowracrinus ornatus*

*Tibrachiocrinus tasmanicus* Johnson, 1887 = *Tibrachyocrinus tasmanicus*

*Tibrachiocrinus* sp. Etheridge, 1892 = *Tibrachyocrinus brogerensis*

*Tibrachiocrinus* sp. Wright, 1920.

*Tibrachyocrinus* sp. Wright, J., 1920a, p. 387, unfig.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

*Tibrachiocrinus?* sp. Waterhouse and Vella, 1965 = *Tibrachyocrinus?* sp.

**TRIBRACHYOCRINUS** M'Coy, 1847. \**T. clarkei* M'Coy, 1847.

Sbc. Cladida, Inf. Articulata, O. Ampelocrinida, F. Tibrachyocrinida

M'Coy, 1847, p. 228. Bassler, 1938, p. 186. Moore and Laudon, 1943b, p. 64.

Branson, C. C., 1948, p. 218. Arendt and Hecker, 1964, p. 92. Webster, 1973, p. 260. Webster, 1977, p. 171. Moore, Lane, and Strimple *in* Moore and

Teichert,

1978, p. T678. Willink, 1979b, p. 146, Fig. 3, no. E. Arendt, 1981, p. 15.

Webster, 1986, p. 310. Webster, 1988, p. 160.

**TRIBRACHIOCRINUS** Pictet, 1857, p. 321. Dujardin and Hupé, 1862, p. 135.

Zittel,

1880, p. 380. Wachsmuth and Springer, 1886, p. 250 (174). Bather, 1890b, p. 332, Pl. 14, fig. 35. Etheridge, 1892, p. 82. Bather, 1893b, p. 82. Bather *in*

Lankester, 1900, p. 181. Wanner, 1924, p. 179. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 715. Strimple, 1969b, p. 2. Webster, 1973, p. 260.

Webster, 1977, p. 171.

Named, currently recognized species based on cups or crowns: 9 Permian species,

1 Artinskian, 2 Artinskian – Wordian, 1 Roadian – Wordian, 5 Wordian  
Permian, Artinskian - Wordian. Australia

*Tribrachyocrinus brogerensis* Willink, 1979b, p. 155, Pl. 3, figs. 1-12; Figs. 4, no. D; 5, no. D; 6a, nos. a-b. Arendt, 1981, p. 15, Fig. 4, nos. m, y. Webster, 1986, p. 310. Webster, 1988, p. 161.

*Tribrachyocrinus* sp. Etheridge, 1892. Willink, 1979b, p. 155.

Permian, Wordian, Gerringong Volcanics, Berry Formation. Australia, New South Wales

\**Tribrachyocrinus clarkei* M'Coy, 1847, p. 228, Pl. 12, figs. 2a-2c. de Koninck, 1877-1878, p. 161, Pl. 6, figs. 5-5d; Unnum Fig. p. 161. de Koninck, 1898, p. 123, Pl. 6, figs. 5-5d; Unnum. fig. p. 123. Branson, C. C., 1948, p. 218. Arendt, 1981, p. 15, Fig. 4, nos a-g, e-zh, k, s. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T678, Fig. 447, no. 7. Willink, 1979b, p. 151, Pl. 1, figs. 1-18; Figs. 3, nos. A-B, F-G; 4, no. A; 5, no. A; 6, nos. c, h; 7, no. A; 8, nos. A-E. Webster, 1986, p. 310. Webster, 1988, p. 160.

*Tribrachyocrinus clarkei* (M'Coy, 1847). Etheridge, 1892, p. 90, Pls. 13, figs. 2-4; 14, fig. 3; 15, figs. 5?, 6-8; 17, figs. 2-4. Bassler, 1938, p. 186. Bassler and Moodey, 1943, p. 715. Branson, C. C., 1948, p. 218. Philip, 1964, p. 199, Pl. 3; Fig. 1. Webster, 1973, p. 260.

*Tribrachyocrinus clarkii* (M'Coy, 1847). Dujardin and Hupé, 1862, p. 135 (sic).

*Tribrachyocrinus tasmanicus* Johnston, 1887, p. 233, Unnum. Fig. oppos. p. 232. Bassler and Moodey, 1943, p. 715. Branson, C. C., 1948, p. 218.

*Tribrachyocrinus tasmanicus* (Johnston, 1887). Branson, 1948, p. 219.

Permian, Roadian - Wordian, Broughton Formation, Westley Park Sandstone Member; Mulbring Siltstone; Berry Formation; *Pachydomus* Beds: Australia, New South Wales, Tasmania

*Tribrachyocrinus corona* (Dana, 1847). Branson, C. C., 1948, p. 218.

*Pentadia corona* Dana, 1847, p. 713, Pl. 10, figs. 11-12. Bassler and Moodey, 1943, p. 596. Branson, C. C., 1948, p. 218.

Permian, Wordian, probably Broughton Formation, Westley Park Sandstone Member. Australia, New South Wales

*Tribrachyocrinus corrugatus* (Ratte, 1885). Branson, C. C., 1948, p. 218. Arendt, 1981, p. 15, Fig. 4, nos. l, r. Webster, 1988, p. 161. Webster and Jell, 1999b, p. 329, Fig. 28.

*Tribrachyocrinus corrugatus* Ratte, 1885, p. 1, Pl. 68. Ratte, 1887, p. 1069, Pl. 16. Etheridge, 1892, p. 95, Pl. 16, figs. 5-10. Bassler and Moodey, 1943, p. 715. Branson, C. C., 1948, p. 218. Willink, 1979b, p. 153, Pl. 2, figs. 1-26; Figs. 3, nos. C-D; 4, no. B; 5, no. B; 7, no. B. Webster, 1986, p. 310.

?*Actinocrinus* sp. Etheridge, 1892 (part), p. 116, Pls. 14, fig. 6; 6, fig. 5. Willinck, 1979b, p. 453.

Permian, late Artinskian - Wordian, Gerringong Volcanics; Berry Formation, Wandrawandian Siltstone; Malbina Formation. Australia, New South Wales, Tasmania

- Tribrachyocrinus etheridgei* Willink, 1979b, p. 158, Pl. 4, figs. 11-14; Fig. 6, no. i. Arendt, 1981, p. 15, Fig. 4, no. z. Webster, 1986, p. 311. Webster, 1988, p. 161. Permian, early Artinskian, lower part of Wandrawandian Siltstone. Australia, New South Wales
- Tribrachyocrinus granulatus* (Etheridge, 1892). Branson, C. C., 1948, p. 219. Willink, 1979b, p. 155, Pl. 2, figs. 27-29. Webster, 1986, p. 311. Webster and Jell, 1999b, p. 329, Fig. 29.
- Tribrachiocrinus granulatus* Etheridge, 1892, p. 97, Pl. 22, figs. 2-3. Bassler and Moodey, 1943, p. 715. Branson, C. C., 1948, p. 219. Permian, late Artinskian - Wordian, Malbina Formation; Gerringong Volcanics. Australia, Tasmania, New South Wales
- Tribrachyocrinus ornatus* (Etheridge, 1892) = *Nowracrinus ornatus*
- Tribrachyocrinus pseudoclarkei* Willink, 1979b, p. 159, Pl. 4, figs. 15-21; Figs. 6, nos. j-l. Arendt, 1981, p. 15, Fig. 4, nos. i, p. Webster, 1986, p. 311. Webster, 1988, p. 151. Permian, Wordian, Berry Formation. Australia, New South Wales
- Tribrachyocrinus rattei* Willink, 1979b, p. 156, Pl. 3, figs. 13-21. Webster, 1986, p. 311. Permian, Wordian, Gerringong Volcanics, Berry Formation. Australia, New South Wales
- Tribrachyocrinus singletonensis* Willink, 1979b, p. 158, Pl. 4, figs. 1-10; Figs. 4, no. C; 5, no. C; 6, nos. d-g. Arendt, 1981, p. 15, Fig. 4, nos. d, n-o, t. Webster, 1986, p. 311. Webster, 1988, p. 161. Permian, Wordian, Mulbring Siltstone. Australia, New South Wales
- Tribrachyocrinus tasmanicus* (Johnston, 1887) = *Tribrachyocrinus clarkei*
- Tribrachyocrinus* sp. A Willink, 1979b, p. 160, Pl. 5, figs. 1-4. Webster, 1986, p. 311. Permian, Artinskian, Tiverton Subgroup, Homevale Station Fossil Beds. Australia, Queensland
- Tribrachyocrinus* sp. B Willink, 1979b, p. 160, Pl. 5, fig. 5. Webster, 1986, p. 311. Permian, late Artinskian/early Kungurian, Malbina Formation, Member D. Australia, Tasmania
- Tribrachyocrinus* sp. indet. (juvenile *T. rattei*?) Willink, 1979b, p. 157, Pl. 3, figs. 22-27. Webster, 1986, p. 311. Permian, Wordian, Gerringong Volcanics, Berry Formation. Australia, New South Wales
- Tribrachyocrinus* sp. indet. 1 Willink, 1979b, p. 161, Pl. 5, figs. 6-9. Webster, 1986, p. 311.
- Tribrachiocrinus clarkei* Etheridge, 1892 (*non* M'Coy, 1847), Pl. 13, figs. 2-4. Willink, 1979b, p. 161. Webster, 1986, p. 311.

Permian, Kungurian - Wordian, Branxton Formation, Muree Sandstone Member.  
Australia, New South Wales

*Tribrachyocrinus* sp. indet. 2 Willink, 1979b, p. 161, Pl. 5, figs. 10-12. Webster, 1986, p. 312.

*Tribrachyocrinus clarkei* Etheridge, 1892 (*non* M'Coy, 1847), Pl. 14, fig. 3. Willink, 1979b, p. 161. Webster, 1986, p. 312.

Permian, Kungurian, Nowra Sandstone. Australia, New South Wales

*Tribrachyocrinus* sp. indet. 3 Willink, 1979b, p. 161, Pl. 5, fig. 13. Webster, 1986, p. 312.

Permian, Wordian, Gerringong Volcanics. Australia, New South Wales

*Tribrachyocrinus* sp. Wright, J., 1920 = *Trigrachyocrinus* sp.

*Tribrachyocrinus?* sp. Etheridge, 1892, p., 116, Pl. 14, fig. 7. (Infrabasal circlet)  
Permian, Upper Marine Series. Australia, New South Wales

*Tribrachyocrinus?* sp.

*Tribrachyocrinus?* sp. Waterhouse and Vella, 1965, p. 79.

Permian, Kungurian. New Zealand

*Tribrachyocrinus?* sp., arm fragment Webster and Jell, 1999b, p. 330, Fig. 30, nos. A-C.

Permian, Wordian, Flat Top Formation. Australia, Queensland

**TRICERACRINUS** Bramlette, 1943. \**T. moorei* Bramlette, 1943.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Bramlette, 1943, p. 550. Branson, C. C., 1948, p. 219. Knapp, 1969, p. 383, Fig. 1. Strimple and Moore, 1971a, p. 19. Webster, 1973, p. 260. Pabian and Strimple, 1974b, p. 29. Webster, 1977, p. 171. Moore and Strimple *in* Moore and Teichert, 1978, p. T735. Pabian and Strimple, 1985, p. 59. Webster, 1986, p. 312. Webster, 1988, p. 161. Pabian and Strimple, 1993, p. 31. Hauser, 2008, p. 27, Fig. 54.

Named, currently recognized species based on cups or crowns: 10 species.

Pennsylvanian, 2 Desmoinesian, 2 Missourian, 2 Missourian – Virgilian, 3 Virgilian; 1 Permian, Wolfcampian

Middle Pennsylvanian, Desmoinesian - Early Permian, Wolfcampian. United States

*Triceracrinus altamontensis* (Strimple, 1950). Knapp, 1969, p. 383. Webster, 1977, p. 171.

*Lasanocrinus altamontensis* Strimple, 1950b, p. 573, Pl. 77, figs. 5-8. Strimple, 1962e, p. 35. Knapp, 1969, p. 383. Webster, 1973, p. 161. Webster, 1977, p. 171.

Pennsylvanian, Desmoinesian, Altamont Limestone. United States, Oklahoma

- Triceracrinus bulbosus* (Strimple, 1962). Knapp, 1969, p. 383. Webster, 1977, p. 171.  
*Perimestocrinus? bulbosus* Strimple, 1962e, p. 26, Pl. 2, figs. 1-4. Patterson, 1963, Fig. 3. Knapp, 1969, p. 383. Webster, 1973, p. 201. Webster, 1977, p. 171.  
 Pennsylvanian, Desmoinesian, Oologah Limestone. United States, Oklahoma
- Triceracrinus fabulosus* (Strimple, 1950). Knapp, 1969, p. 383. Webster, 1977, p. 172.  
 Pabian and Strimple, 1993, p. 33, Fig. 14, nos. a-c.  
*Utharocrinus fabulosus* Strimple, 1950b, p. 572, Pl. 77, figs. 1-4. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 201. Webster, 1977, p. 172.  
*Perimestocrinus fabulosus* (Strimple, 1950). Strimple, 1961g, p. 24. Webster, 1973, p. 201.  
 Pennsylvanian, Missourian, ?Virgilian, Stoner Limestone; South Bend Limestone.  
 United States, Kansas
- Triceracrinus facilis* (Strimple, 1950). Pabian and Strimple, 1978a, p. 55, Fig. 6, nos. Q-S. Pabian and Strimple, 1985, p. 58, Figs. 16, nos. d-e; 22, nos. j-l. Webster, 1986, p. 312. Webster, 1988, p. 161. Pabian and Strimple, 1993, p. 31, Figs. 12, no. i; 13, nos. d-g; 14, nos. d-f.  
*Utharocrinus facilis* Strimple, 1950b, p. 571, Pl. 77, figs. 11-12, 18-20. Knapp, 1969, p. 382. Webster, 1973, p. 201. Webster, 1977, p. 155. Webster, 1986, p. 312.  
*Perimestocrinus facilis* (Strimple, 1950). Strimple, 1961g, p. 24. Webster, 1973, p. 201.  
*Separocrinus facilis* (Strimple, 1950). Knapp, 1969, p. 382. Webster, 1977, p. 155.  
 Pennsylvanian, Missourian, Virgilian, Kanwaka Formation, Stull Shale Member; South Bend Limestone. United States, Kansas, Nebraska
- Triceracrinus habitus* (Strimple, 1950). Knapp, 1969, p. 383. Webster, 1977, p. 172.  
*Utharocrinus habitus* Strimple, 1950b, p. 572, Pl. 77, figs. 13-16. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 202. Webster, 1977, p. 172.  
*Perimestocrinus habitus* (Strimple, 1950). Strimple, 1961g, p. 24. Webster, 1973, p. 202.  
 Pennsylvanian, Missourian, Wann Formation. United States, Oklahoma
- \**Triceracrinus moorei* Bramlette, 1943, p. 551, Pl. 96, figs. 1-7. Branson, C. C., 1948, p. 219. Knapp, 1969, p. 383, Fig. 50. Webster, 1973, p. 260. Webster, 1977, p. 172. Moore and Strimple *in* Moore and Teichert, 1978, p. T735, Fig. 485, no. 1. Webster, 1986, p. 312.  
*Perimestocrinus (Triceracrinus) moorei* (Bramlette, 1943). Strimple, 1961g, p. 19, Figs. 3-4. Webster, 1973, p. 260.  
 Permian, Wolfcampian, Drake Formation. United States, Texas
- Triceracrinus oreadensis* (Moore, 1939). Knapp, 1969, p. 383. Webster, 1977, p. 172.  
*Utharocrinus oreadensis* Moore, 1939c, p. 242, Pl. 7, figs. 2a-2c; Fig. 20, nos. a-b. Bassler and Moodey, 1943, p. 721. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 202. Webster, 1977, p. 172.  
*Perimestocrinus oreadensis* (Moore, 1939). Strimple, 1961g, p. 24. Webster, 1973,

p. 202.

Pennsylvanian, Virgilian, Oread Limestone, Plattsmouth Limestone Member. United States, Kansas

*Triceracrinus quinquacutus* (Moore, 1939). Knapp, 1969, p. 383. Webster, 1977, p. 172.

*Utharocrinus quinquacutus* Moore, 1939c, p. 239, Pl. 7, figs. 1a-1c; Fig. 21, nos. a-e. Bassler and Moodey, 1943, p. 722. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 14; 64, fig. 17. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 202. Webster, 1977, p. 172. Moore and Strimple *in* Moore and Teichert, 1978, p. T735, Fig. 486, nos. 1e-1g. Webster, 1986, p. 317.

*Perimestocrinus quinquacutus* (Moore, 1939). Strimple, 1961g, p. 24. Webster, 1973, p. 202.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

*Triceracrinus spinosus* (Strimple, 1950). Knapp, 1969, p. 383. Webster, 1977, p. 172.

*Utharocrinus spinosus* Strimple, 1950b, p. 573, Pl. 77, figs. 9-10, 17. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 202. Webster, 1977, p. 172.

*Perimestocrinus spinosus* (Strimple, 1950). Strimple, 1961g, p. 24. Webster, 1973, p. 202.

Pennsylvanian, Missourian, Ochelata Group. United States, Oklahoma

*Triceracrinus topekensis* (Moore, 1939). Knapp, 1969, p. 383. Pabian and Strimple, 1974b, p. 29, Figs. 9, no. 1; 10, no. 3; 11, nos. 6-7. Webster, 1977, p. 172.

Webster, 1986, p. 312.

*Utharocrinus topekensis* Moore, 1939c, p. 244, Pl. 7, figs. 3a-3c; Fig. 19, nos. a-b. Bassler and Moodey, 1943, p. 722. Strimple, 1961g, p. 24. Knapp, 1969, p. 383. Webster, 1973, p. 202. Webster, 1977, p. 172.

*Perimestocrinus topekensis* (Moore, 1939). Strimple, 1961g, p. 24. Webster, 1973, p. 202.

Pennsylvanian, Virgilian, Topeka Limestone, Coal Creek Limestone Member. United States, Kansas

*Triceracrinus* spp.

Bramlette, 1943, p. 552, Pl. 96, figs. 8-15. Webster, 1973, p. 260.

Permian, Wolfcampian, Drake Formation. United States, Texas

Pabian and Rushlau, 2002, p. 28, Fig. 8, nos. 10-11.

Pennsylvanian, Foraker Formation, Hughes Creek Shale Member. United States, Nebraska

**TRICHINOCRINUS** Moore and Laudon, 1943. \**T. terranovicus* Moore and Laudon, 1943.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea F. Rhodocrinitidae

Moore and Laudon, 1943a, p. 265. Ubags, 1953, p. 737. Webster, 1973, p. 260.

Ubags *in* Moore and Teichert, 1978, p. T432. Webster, 1986, p. 312. Ausich, 1988, p. 913, Fig. 2, no. 5. Webster, 1993, p. 120. Ausich, 1998b, p. 35.



Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Darriwilian species  
Ordovician, Darriwilian (early Llanvirnian). Canada

\**Trichocrinus terranovicus* Moore and Laudon, 1943a, p. 265, Pls. 1-2; Fig. 1.  
Webster, 1973, p. 260. Ubaghs *in* Moore and Teichert, 1978, p. T432, Fig. 241,  
no. 1. Webster, 1986, p. 312. Broadhead, 1987, p. 183, Fig. 4, no. B. Donovan,  
1988c, p. 237. Webster, 1993, p. 120. Ausich, Bolton, and Cummings, 1998, p.  
122, Pls. 1, figs. 1-7; 2, figs. 1, 3; Fig. 3, nos. A, D, E.  
Ordovician, Darriwilian (early Llanvirnian), Table Head Group, Table Head  
Limestone. Canada, Newfoundland

**TRICHOCRINUS** Müller, 1856. \**T. altus* Müller, 1856.

Sbc. Disparida, Spf. Pisocrinoidea, F. Pisocrinidae

Müller, J., 1856, p. 354. Quenstedt, 1885, p. 953. Bassler, 1938, p. 186. Bassler  
and Moodey, 1943, p. 714. Moore and Lane *in* Moore and Teichert, 1978, p.  
T536. Rozhnov, 1981, p. 97. Webster, 1988, p. 161. Hauser, 1997, p. 109, Fig.  
32. Jell, 1999a, p. 60. Hauser, 2008, p. 27, Fig. 54.

Named, currently recognized species based on cups or crowns: 8 species. 4

Silurian, 2 Ludlovian, 1 Ludlovian – Pridoli, 1 Pridoli; 4 Devonian, 1

Early Devonian, series not given, 3 Eifelian

Silurian, Ludlovian - Devonian, Eifelian. Europe; Russia

Silurian, late Ludlovian - Pridoli. Australia, Victoria

*Trichocrinus ahbachensis* Hauser *in* Hauser and Sandeta, 2007, p. 72, Fig. 5. Hauser,  
2008, p. 27, Pls. 8, fig. 1; 15, fig. 8; 17, fig. 5; Fig. 55.  
Devonian, Eifelian, Ahbach Formation. Germany

\**Trichocrinus altus* Müller, J., 1856, p. 355. Müller, J., 1857, p. 249, Pl. 2, figs. 8-11.  
Quenstedt, 1885, p. 954, Pl. 76, fig. 26. Bassler, 1938, p. 186. Bassler and  
Moodey, 1943, p. 714. Hauser, 1997, p. 109, Pls. 63, figs. 4-5; 64, fig. 11.  
Hauser *in* Hauser and Sandeta, 2007, p. 72, Fig. 3. Hauser, 2008, p. 27, Fig. 53.  
*Triacrinus altus* (Müller, 1856). Schultze, 1866, p. 109 (adv. pub.). Schultze, 1867, p.  
221, Pl. 12, fig. 9. Zittel, 1880, p. 348, Fig. 235, no. 2a-2b. Zittel, 1895, p. 125,  
Fig. 238, no. B. Wachsmuth *in* Zittel, 1900, p. 135, Fig. 237, no. B. Springer,  
1926a, p. 74, Pl. 25, figs. 15-15b. Bassler and Moodey, 1943, p. 714. Weyer,  
1965, p. 970. Webster, 1973, p. 259. Moore and Lane *in* Moore and Teichert,  
1978, p. T537, Fig. 333, nos. 1f-1i. Webster, 1986, p. 309.  
Devonian, Eifelian, Freilingen Formation, Nollenbach Member. Germany

*Trichocrinus crepidatus* Rozhnov, 1981, p. 101, Pl. 22, figs. 1-3; Figs. 6, nos. a-b; 19,  
nos. g-d. Webster, 1988, p. 162. Rozhnov, 2002, p. S628, Fig. 71, nos. a-b  
(diagramatic).  
Silurian, Pridoli. Czech Republic

*Trichocrinus depresses* Müller, 1856 = *Triacrinus depressus* = *Pisocrinus* (*Pisocrinus*)  
*depressus*

*Trichocrinus limatus* Rozhnov, 1981, p. 102, Pl. 23, figs. 1-4; Figs. 3, no. a; 19, no. d. Webster, 1988, p. 162.

Early Devonian, series not given. Kyrgyzstan, Tian Shan

*Trichocrinus lutulentus* (Dubatolova, 1964). Rozhnov, 1981, p. 103, Pl. 21, fig. 5, Fig. 19, no. zh. Webster, 1988, p. 162.

*Triacrinus lutulentus* Dubatolova, 1964, p. 16, Pl. 1, fig. 2. Weyer, 1965, p. 970.

Webster, 1973, p. 260. Rozhnov, 1981, p. 103.

Devonian, Eifelian. Russia, Kuznetz Basin

*Trichocrinus milicinae* Rozhnov, 1981, p. 98, Pl. 22, fig. 4; Fig. 19, nos. a-b. Webster, 1988, p. 162.

Silurian, Ludlovian. Russia, Ural Mountains

*Trichocrinus morleyi* Jell, 1999a, p. 60, Figs. 47-48.

Silurian, late Ludlovian - Pridoli, Humevale Formation; Kilmore Siltstone;

Melbourne Formation. Australia, Victoria

*Trichocrinus prolixus* Rozhnov, 1981, p. 100, Pl. 22, fig. 5; Fig. 19, no. v. Webster, 1988, p. 162.

Silurian, Ludlovian. Russia, Ural Mountains

**TRICHOTOCRINUS** Olsson, 1912. \**Melocrinus (Trichotocrinus) harrisi* Olsson, 1912.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Melocrinitoidea, F. Melocrinitidae

Olsson, 1912, p. 27. Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 716.

Ubaghs, 1953, p. 741, Fig. 82, no. g. Ubaghs, 1958b, p. 295, Fig. 16. Kesling,

1964a, p. 92. Webster, 1973, p. 170. Brower, 1978, p. 44, Figs. 1-4. Ubaghs in

Moore and Teichert, 1978, p. T492. Cowen, 1981, p. 335. Webster, 1986, p.

312.

Webster, 1988, p. 162.

Named, currently recognized species based on cups or crowns: 2 Devonian,

Frasnian species

Devonian, Frasnian. United States, New York

\**Trichotocrinus harrisi* (Olsson, 1912). Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 716. Ubaghs, 1953, p. 741, Fig. 82, no. g. Kesling, 1964a, p. 93.

Webster, 1973, p. 171. Ubaghs in Moore and Teichert, 1978, p. T144, T492,

Figs. 117, no. 7; 296, no. 2b. Webster, 1986, p. 312.

*Melocrinus (Trichotocrinus) harrisi* Olsson, 1912, p. 29, Pl. 6, figs. 1-2. Goldring,

1923, p. 148, Pl. 16, fig. 6; Figs. 37-38. Bassler and Moodey, 1943, p. 716.

*Melocrinites harrisi* (Olsson, 1912). Kesling, 1964a, p. 93. Webster, 1973, p. 171.

Devonian, Frasnian, Portage Formation, Ithaca Beds. United States, New York

*Trichotocrinus lutheri* (Goldring, 1923). Bassler and Moodey, 1943, p. 716. Ubaghs in Moore and Teichert, 1978, p. T492, Fig. 296, no. 2a. Webster, 1986, p. 313.

*Melocrinus (Trichotocrinus) lutheri* Goldring, 1923, p. 149, Pl. 16, figs. 7-12.

Bassler and Moodey, 1943, p. 716.

Devonian, Frasnian, West Hill Flags. United States, New York

*Trichotocrinus* sp. Simms, 1990, p. 196, Fig. 8.1 (diagramatic).  
Late Devonian

Tricyclic crinoids Ausich, 1996b, p. 960, Fig. 6, no. 1 (diagramatic).

**TRIXOBASIS** Moore, 1939. *Nomen vetitum* \**T. banioni* Moore, 1939.

Moore, 1939b, p. 210. Jeffords in Moore and Teichert, 1978, p. T937. (basal or infrabasal circlets)

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian, Virgilian species

Pennsylvanian, Virgilian. United States, Oklahoma

\**Triexobasis banioni* Moore, 1939b, p. 210, Pl. 2, figs. 1a-1b.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

**TRIMEROCRINUS** Wanner, 1916. \**T. pumilus* Wanner, 1916.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Agassizocrinoidea, F. Trimerocrinidae

Wanner, 1916, p. 143. Wanner, 1924, p. 179. Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 716. Moore and Laudon, 1943b, p. 62, Fig. 8. Branson, C. C., 1948, p. 219. Arendt and Hecker, 1964, p. 91. Webster, 1973, p. 261. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T685. Webster, 1986, p. 313.

Named, currently recognized species based on cups or crowns: 3 Permian species, 1 subspecies, 1 Artinskian, 2 Permian species, (+1 subspecies) series uncertain Permian, series uncertain. West Timor Permian, Artinskian. Russia

*Trimerocrinus minimus* Wanner, 1937, p. 163, Pl. 10, figs. 27-28. Marez Oyens, 1940a, p. 333, Pl. 4, fig. 2. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219.

Permian, series uncertain. West Timor, Basleo (Toboe Lopo)

*Trimerocrinus pentagonus* Wanner, 1924 = *Trimerocrinus pumilus pentagonus*

*Trimerocrinus platypleura* Yakovlev, 1930a, p. 1020 (96), Pl. 1, figs. 6a-6c. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219. Yakovlev in Yakovlev and Ivanov, 1956, p. 60, Pl. 10, fig. 31. Arendt and Hecker, 1964, p. 91, Pl. 13, figs. 8-9. Webster, 1973, p. 261.

Permian, Artinskian. Russia, Krasnoufimsk

\**Trimerocrinus pumilus* Wanner, 1916, p. 144, Pl. 104 (9), fig. 2; Fig. 40. Wanner, 1931, p. 1, Pl. 1, figs. 1-2, 5 only. Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219. Arendt and Hecker, 1964p. 91, Pl. 13, fig. 10; Fig. 132. Webster, 1973, p. 261.

*Trimerocrinus ventricosus* Wanner, 1916, p. 146, Pl. 104 (9), fig. 3; Fig. 41. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T685, Fig. 451, nos. 1c-1d. Webster, 1986, p. 313.

Permian, series uncertain. West Timor, Basleo

*Trimerocrinus pumilus* Wanner, 1931 (part) = *Trimerocrinus pumilus pentagonus*

*Trimerocrinus pumilus pentagonus* Wanner, 1924. Wanner, 1937, p. 162, Figs. 56-57. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219.

*Trimerocrinus pentagonus* Wanner, 1924, p. 207, Pl. 10, figs. 7-9. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T685, Fig. 451, nos. 1a-1b. Webster, 1986, p. 313.

*Trimerocrinus pumilis* Wanner, 1931, p. 1, Pl. 1, figs. 3-4 only. Bassler and Moodey, 1943, p. 716. Branson, C. C., 1948, p. 219.

Permian, series uncertain. West Timor, Basleo

**TRIMEROCRINUS** Ivanov, 1926 (*non* Wanner, 1916) *nomen nudum*

Ivanov, 1926, p. 176. Bassler, 1938, p. 187. Bassler and Moodey, 1943, p. 716. Carboniferous. Russia

*Trimerocrinus conicus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 716.

Carboniferous. Russia

*Trimerocrinus elegantulus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 716.

Carboniferous. Russia

*Trimerocrinus simplex* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943, p. 716.

Carboniferous. Russia

*Trimerocrinus ventricosus* Wanner, 1916 = *Trimerocrinus pumilus*

**TRINALICRINUS** Lane, 1979. \**T. tunisiensis* Lane, 1979.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Lecanocrinoidea, F. Mespilocrinidae

Lane, N. G., 1979, p. 128. Webster, 1986, p. 313.

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. Tunisia

\**Trinalicrinus tunisiensis* Lane, N. G., 1979, p. 128, Pl. 1, figs. 3-5. Webster, 1986, p. 313.

Permian, Wordian. Tunisia

**TRIPATOCRINUS** Sprinkle, 1973. \**T. pustulatus* Sprinkle, 1973.

Sbc. Hybocrinida, F. Cornuocrinidae

Sprinkle, 1973b, p. 872. Webster, 1977, p. 172. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T574. Rozhnov, 1986, p. 1, Fig. 3. Webster, 1986, p. 313. Webster, 1988, p. 162. Webster, 1993, p. 121. Ausich, 1998b, p. 36. Sprinkle and Wilbur, 2005, p. 286, Fig. 2.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian (Chazyan). United States

\**Tripatocrinus pustulatus* Sprinkle, 1973b, p. 872, Pls. 1-3; Figs. 3-6. Webster, 1977, p. 172. Sprinkle and Moore *in* Moore and Teichert, 1978, p. T574, Figs. 360; 366, no. 2. Arendt, 1981, p. 164, Fig. 29, no. m. Rozhnov, 1985b, p. 5, Fig. 1, no. e-zh. Rozhnov, 1986, p. 1, Fig. 1, nos. f-g. Webster, 1986, p. 313. Webster, 1988, p. 162. Webster, 1993, p. 121. Rozhnov, 2002, p. 585, Fig. 44, nos. f-g. Ordovician, Darriwilian (Chazyan), Antelope Valley Limestone. United States, Nevada, California

**TRIPLARICRINITES** Goldfuss, 1866 = **HEXACRINITES**

*Triplaricrinites exsculptus* Goldfuss, 1866 = *Hexacrinites exsculptus* = *Megaradialocrinus exsculptus*

*Triplaricrinites exsculptus* Goldfuss, mentioned by Schultze, 1866 = *Hexacrinites pateraeformis*

**TRIPLARICRINUS** Zittel, 1879 = **HEXACRINITES**

**TRIPLEUROCRINUS** Wood, 1904 = **MYRTILLOCRINUS**

*Tripleurocrinus levis* Wood, 1904 = *Myrtillocrinus? levis* = *M. levis*

Trochitae, gen. et sp. indet. Chapman, 1901, p. 144, Pl. 3, figs. 8-9. Silurian, Wenlockian. Sweden, Isle of Gotland

Trochitae, gen. et sp. indet. Chapman, 1901, p. 145, Pl. 3, fig. 7. Silurian, Wenlockian. Sweden, Isle of Gotland

Trochitenabdrücke Richter and Unger, 1856, p. 132, Pl. 3, Figs. 19-20. Devonian, Famennian. Germany

**TROCHOCRINITES** Portlock, 1843. \**T. laevis* Portlock, 1843.

Sbc. Camerata, O. - F. uncertain

Portlock, 1843, p. 345. Bronn, 1848, p. 1296. Pander *in* Helmersen, 1859, p. 312. Bassler, 1938, p. 188. Bassler and Moodey, 1943, p. 597. Ramsbottom, 1961, p. 29. Webster, 1973, p. 261. Ubaghs *in* Moore and Teichert, 1978, p. T519. Donovan, 1985a, p. 122. Webster, 1986, p. 313. Webster, 1988, p. 162.

*TROCHOCRINUS* Bronn, 1848, p. 1296. Bigsby, 1868, p. 23. Bather *in* Lankester, 1900, p. 168. Bassler, 1938, p. 188. Bassler and Moodey, 1943, p. 597.  
 Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species  
 Ordovician, Katian (Caradocian). Ireland

*Trochocrinites gottlandicus* Pander, 1859 = *Lindstroemiocrinus gotlandicus* =  
*Melocrinites gotlandicus* = *Ctenocrinus gottlandicus*

\**Trochocrinites laevis* Portlock, 1843, p. 345, Pl. 15, fig. 1. Bassler, 1938, p. 188.  
 Bassler and Moodey, 1943, p. 599. Ramsbottom, 1961, p. 29, Pl. 3, fig. 12.  
 Webster, 1973, p. 261. Donovan, 1985a, p. 123, Figs. 1-3. Webster, 1988, p.  
 162. Donovan, Paul, and Lewis, 1996, p. 217, Fig. 24.  
*Trochocrinus laevis* (Portlock, 1843). Bronn, 1848, p. 1296. Bigsby, 1868, p. 23.  
*Glyptocrinus laevis* (Portlock, 1843). Murchison, 1859, p. 535, Pl. 10, fig. 1. Bigsby,  
 1868, p. 196. Bassler and Moodey, 1943, p. 599.  
*Periechocrinus laevis* (Portlock, 1843) (*non* Angelin, 1878). Wachsmuth and  
 Springer, 1881, p. 132 (306). Bassler and Moodey, 1943, p. 599.  
*Periechocrinites laevis* (Portlock, 1843). Bassler and Moodey, 1943, p. 599.  
 Ordovician, Katian (Caradocian), Desertcreat School, Ireland

*TROCHOCRINUS* Bather, 1900 = **TROCHOCRINITES**

*Trochocrinus depressus* (Müller, 1856) = *Pisocrinus (Pisocrinus) depressus*

*Trochocrinus gothlandi* Pander, 1858 = *Ctenocrinus gottlandicus*

*Trochocrinus laevis* (Portlock, 1843) = \**Trochocrinites laevis*

**TROPHOCRINUS** Kirk, 1930. \**T. tumidus* Kirk, 1930.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae  
 Kirk, 1930, p. 210. Bassler, 1938, p. 189. Moore, 1940b, p. 78. Bassler and  
 Moodey, 1943, p. 717. Moore and Laudon, 1943b, p. 30. Moore and Laudon,  
 1944, p. 149. Ubaghs, 1953, p. 747. Arendt and Hecker, 1964, p. 81. Strimple  
 and Moore, 1971a, p. 38. Webster, 1973, p. 261. Webster, 1977, p. 172. Moore  
 and Strimple *in* Moore and Teichert, 1978, p. T539. Webster, 1986, p. 313. Lane  
 and Sevastopulo, 1990, p. 334. Webster, 1993, p. 121.

Named, currently recognized species based on cups or crowns: 7 species: 6  
 Mississippian, 3 Tournaisian, 1 Tournaisian – Viséan, 2 Viséan; 1  
 Pennsylvanian,  
 Bashkirian

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States  
 Pennsylvanian, Early Bashkirian. Iran

*Trophocrinus bicornis* Strimple and Koenig, 1956, p. 1238, Fig. 3, nos. 5-12. Webster,  
 1973, p. 261.

Mississippian, Viséan (Osagean), St. Joe Formation. United States, Oklahoma

- Trophocrinus brevis* Strimple and Koenig, 1956, p. 1238, Fig. 3, nos. 13-16. Webster, 1973, p. 261.  
Mississippian, Viséan (Osagean), St. Joe Formation. United States, Oklahoma
- Trophocrinus corpulentus* Peck, 1936, p. 287, Pl. 46, figs. 23-26. Bassler and Moodey, 1943, p. 717.  
Mississippian, Tournaisian (Kinderhookian), Fern Glen Limestone. United States, Missouri
- Trophocrinus exsertus* Peck, 1936, p. 285, Pl. 47, figs. 10-14, 21-22, 25-26. Bassler and Moodey, 1943, p. 717.  
Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Trophocrinus granulosis* Webster et al., 2011, p. 36, Fig. 12, nos. a-l.  
Pennsylvanian, Early Bashkirian, Absheni Formation. Eastern Iran
- \**Trophocrinus tumidus* Kirk, 1930, p. 211, Figs. 1-4. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 717. Moore and Laudon, 1944, p. 149, Pl. 56, fig. 11. Strimple and Koenig, 1956, p. 1238, Fig. 3, nos. 17-20. Sieverts-Doreck, 1960, Pl. 1, fig. 7. Webster, 1973, p. 261. Moore and Strimple *in* Moore and Teichert, 1978, p. T539, Fig. 335, no. 2. Webster, 1986, p. 314.  
Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Sycamore Limestone; Weldon Limestone. United States, Oklahoma
- Trophocrinus variabilis* Strimple and Koenig, 1956, p. 1237, Fig. 3, nos. 1-4. Webster, 1973, p. 261.  
Mississippian, Tournaisian (Kinderhookian), Welden Limestone. United States, Oklahoma
- TROPIOCRINUS** Kirk, 1947 = **ACYLOCRINUS**
- Tropiocrinus carinatus* Kirk, 1947 = *Acylocrinus carinatus*
- Tropiocrinus planatus* Kirk, 1947 = *Acylocrinus planatus*
- Tropiocrinus rudis* (Meek and Worthen, 1870) = *Acylocrinus rudis* = *Ramulocrinus rudis*
- Tropiocrinus simplex* (Hall, 18858). Kammer, 2008, p. 181, Fig. 9.2, nos. 3-4.  
Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- TRYBLIOCRINUS** Geinitz, 1867. \**Glyptocrinus* (in error for *Trybliocrinus*) *flatheanus* Geinitz, 1867.  
Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Eucalyptocrinitoidea, F. Polypeltidae  
Geinitz, 1867, p. 284. Zittel, 1880, p. 377. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 717. Ubaghs, 1953, p. 742. Breimer, 1962a, p. 85. Wood, A., 1965, p. 278. Webster, 1973, p. 261. Webster, 1977, p. 172. Ubaghs *in* Moore

and Teichert, 1978, p. T503. Cowen, 1981, p. 339. Webster, 1986, p. 314.  
Webster, 1988, p. 162. Webster, 1993, p. 121. Hauser in Hauser and Landeta,  
2007, p. 34, Fig. 2.

*TRIBLIOCRINUS* Springer in Zittel, 1913, p. 191. Bassler and Moodey, 1943, p.  
717.

Named, currently recognized species based on cups or crowns: 2 species. 2  
Devonian, 1 Emsian – Eifelian, 1 Emsian  
Middle Devonian, Eifelian. Europe

*Trybliocrinus cheuxi* (Oehlert, 1889) = *Spyridiocrinus cheuxi*

*Trybliocrinus collensis* Hauser in Hauser and Landtea, 2007, p. 34, Fig. 3.  
Devonian, Emsian, La Vid Formation. Spain

\**Trybliocrinus flatheanus* (Geinitz, 1867). Bassler, 1938, p. 189. Bassler and Moodey,  
1943, p. 717. Ubaghs, 1953, p. 742, Fig. 33, no. h. Ubaghs, 1956b, p. 557, Fig.  
3. Breimer, 1960, p. 257, Figs. 6-7. Breimer, 1962a, p. 86, Pls. 8, figs. 12-13; 9,  
figs. 1-4; 10, figs. 1-7; Figs. 16-24, 26. Author unknown, 1962, p. 89, Unnum.  
Fig. Webster, 1973, p. 261. Ubaghs in Moore and Teichert, 1978, p. T144, T209,  
T503, Figs. 116, no. 4; 160, nos. 5-6; 177, nos. 1-5; 179, nos. 1-3; 305, no. 1.  
Webster, 1986, p. 314. Prokop, 2002c, p. 28, Figs. 3, nos. 7-8; 5, nos. a-c; 6.  
Hauser in Hauser and Landeta, 2007, p. 36, Fig. 5.

*Glyptocrinus flatheanus* Geinitz, 1867, p. 286, Pl. 3, figs. 1-2 (in error for  
*Trybliocrinus flatheanus*). Bassler, 1938, p. 189. Bassler and Moodey, 1943, p.  
717.

*Hadrocrinus hispaniae* Schmidt, W. E., 1932, p. 7, Pls. 1-3, figs. 1-9; 4, figs. 11a-  
11c; Figs. 3-9. Bassler and Moodey, 1943, p. 499. Schmidt, W. E., 1952, p.  
128, Pls. 1-8; Figs. 3-9. Ubaghs, 1956b, p. 558. Almela and Sanch, 1958, Pl.  
9, figs. 4-4a. Breimer, 1962a, p. 86. Webster, 1973, p. 262.

*Calpiocrinus*??? *bohemicus* Waagen and Jahn, 1899. Bather, 1900b, p. 112, Fig. 6.  
Prokop, 2002c, p. 28.  
Devonian, Eifelian. Spain  
Silurian, Emsian. Czech Republic, Bohemia

*Trybliocrinus* cf. *flatheanus* Geinitz, 1867. Prokop, 2003, Pl. 6, figs. 3a-3b.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic

*Trybliocrinus* sp. Prokop and Petr, 1990, p. 20. Webster, 1993, p. 121.  
Crotalocrinitidae gen. et sp. indet. Bouska, 1946a, Pl. 4, figs. 5-5a. Bouska, 1946b,  
p. 21, Pl. 4, figs. 5-5a. Prokop and Petr, 1990, p. 20. Webster, 1993, p. 121.  
Devonian, Pragian, Koneprusy Limestone. Czech Republic

**TRYPHEROCRINUS** Ausich, 1984. \**T. brassfieldensis* Ausich, 1984.

Sbc. Disparida, O. Calceocrinida, F. Calceocrinidae

Ausich, 1984a, p. 1176. Webster, 1988, p. 162. Harvey and Ausich, 1997, p. 301.  
Ausich, 1998b, p. 27.

Named, currently recognized species based on cups or crowns: 2 Silurian,  
Llandoveryan species



Silurian, late early or middle Llandoveryan. United States, Ohio

*Trypherocrinus adamsensis* Boyarko and Ausich, 2009, p. 104, Figs. 1-2.  
Silurian, Llandoveryan, Aeronian, Brassfield Formation. United States, Ohio

\**Trypherocrinus brassfieldensis* Ausich, 1984a, p. 1177, Figs. 7-11. Webster, 1988, p. 162.  
Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

**TRYSSOCRINUS** Guensburg, 1984. \**T. endotomitus* Guensburg, 1984.  
Sbc. Disparida, O. Homocrinida, Sbo. Cincinnaticrinida, Spf. Cincinnaticrinoidea, F. Cincinnaticrinidae  
Guensburg, 1984, p. 46. Webster, 1988, p. 163. Ausich, 1998b, p. 36.  
Named, currently recognized species based on cups or crowns: 1 Ordovician, Sandbian species  
Ordovician, Sandbian (middle Champlainian). United States

\**Tryssocrinus endotomitus* Guensburg, 1984, p. 46, Pls. 8, figs. 3, 5, 11-16, 18-20; 9, figs. 1-2, 6-7, 14-15, Fig. 8. Webster, 1988, p. 163. Guensburg, 1992a, p. 131, Figs. 1, nos. 3-4, 6-7, 9-13; 3; 4, nos. 1-2, 4-5, 8; 5-7; 11, no. 3; 16, no. b.  
Ordovician, Sandbian (middle Champlainian), Lebanon Limestone. United States, Tennessee

*Tryssocrinus* sp. Guensburg, 1995, p. 77, Fig. 4.  
Ordovician

**TUBULUSOCRINUS** Kammer and Ausich, 2007. \**Ulocrinus doliolus* Wright, 1936.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinidae, Spf. Scytalocrinoidea, F. Scytalocrinidae  
Kammer and Ausich, 2007a, p. 952. (**Note.** not a scytalocrinid, GDW)  
Named, currently recognized species based on cups or crowns: 1 Mississippian, Viséan species  
Mississippian, Viséan. United Kingdom, Scotland

\**Tubulusocrinus doliolus* (Wright, 1936. Kammer and Ausich, 2007a, p. 952, Pl. 1, figs. 1-7.  
*Ulocrinus doliolus* Wright, J., 1936, p. 404, Pl. 9, fig. 5; Figs. 28-32. Wright, J., 1938, p. 344, Pl. 14, fig. 2. Wright, J., 1939, p. 30, Pls. 2, fig. 2; 8, fig. 12; Figs. 31-35. Bassler and Moodey, 1943, p. 718. Wright and Strimple, 1945, p. 227. Webster, 1973, p. 264. Kammer and Ausich, 2007a, p. 952.  
*Ureocrinus doliolus* (Wright, 1936). Wright and Strimple, 1945, p. 227, Pl. 9, fig. 6. Wright, J., 1952a, p. 116, Pl. 19, figs. 10-13; Figs. 61-65. Wright, J., 1952b, p. 325, Pl. 13, figs. 4-5. Webster, 1973, p. 264. Kammer and Ausich, 2007a, p. 952.  
*Hydriocrinus* sp. Wright, 1934. Kammer and Ausich, 2007a, p. 952.  
Mississippian, Viséan, Asbian, Encrinite Bed. United Kingdom, Scotland

**TUNDRACRINUS** Yakovlev, 1928. \**T. polaris* Yakovlev, 1928.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Yakovlev, 1928b, p. 1. Bassler, 1938, p. 189. Bassler and Moodey, 1943, p. 717. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948, p. 219. Strimple, 1972b, p. 598. Webster, 1973, p. 267. Webster, 1977, p. 173. Moore and Strimple *in* Moore and Teichert, 1978, p. T648. Webster, 1986, p. 314. Lane, Maples, and Waters, 2001a, p. 1069.

Named, currently recognized species based on cups or crowns: 2 species. 1

Pennsylvanian, Desmoinesian; 1 Permian, Artinskian

Permian, Artinskian. Russia

Pennsylvanian, Desmoinesian. United States, Oklahoma

*Tundracrinus intermedius* (Strimple, 1961). Strimple, 1972b, p. 598, Fig. 1, no. A.

Webster, 1977, p. 173.

*Haeretocrinus intermedius* Strimple, 1961g, p. 97, Pl. 15, figs. 1-3. Strimple, 1972b, p. 598. Webster, 1973, p. 144. Webster, 1977, p. 173. Pabian and Rushlau, 2002, p. 33.

Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

\**Tundracrinus polaris* Yakovlev, 1928b, p. 1, Pls. 1; 2, figs. 1-3. Bassler, 1938, p. 189.

Bassler and Moodey, 1943, p. 717. Branson, C. C., 1948, p. 219. Yakovlev *in*

Yakovlev and Ivanov, 1956, p. 78. Strimple, 1972b, p. 598, Fig. 1, no. B.

Webster, 1973, p. 268. Webster, 1977, p. 173. Moore and Strimple *in* Moore and Teichert, 1978, p. T648, Figs. 423, no. 1. Webster, 1986, p. 314.

*Zeacrinus polaris* (Yakovlev, 1928). Yakovlev, 1939b, p. 60, Pl. 10, fig. 5. Branson, C. C., 1948, p. 219. Yakovlev *in* Yakovlev and Ivanov, 1956, p. 78, Pls. 14; 15, fig. 1. Arendt and Hecker, 1964, p. 88, Pl. 11, fig. 5. Webster, 1973, p. 268.

*Zeacrinites polaris* (Yakovlev, 1928). Webster, 1973, p. 268.

Permian, Artinskian. Russia, Bolchezemelakaya

**TUNGUSKOCRINUS** Arendt, 1963. \**T. ivanovae* Arendt, 1963.

Sbc. Disparida, O. Homocrinida, F. Homocrinidae

Arendt, 1963a, p. 132. Arendt, 1965b, p. 1116. Webster, 1973, p. 262. Moore and Strimple *in* Moore and Teichert, 1978, p. T548. Webster, 1986, p. 314.

Sevastopulo and Lane, 1988, p. 251. Clement, 1988, p. 113. Webster, 1993, p. 121. Ausich, 1998b, p. 36.

Named, currently recognized species based on cups or crowns: 1 Ordovician,

Darriwilian species

Ordovician, Darriwilian. Russia

\**Tunguskocrinus ivanovae* Arendt, 1963a, p. 133, Figs. 1-2. Arendt, 1965b, p. 1117,

Figs. 1-2. Webster, 1973, p. 262. Moore and Strimple *in* Moore and Teichert, 1978, p. T548, Fig. 341, no. 1. Stukalina, 1986, p. 126, Pl. 1, fig. 17. Webster, 1986, p. 314. Webster, 1993, p. 121.

Ordovician, Darriwilian, Stolbovaya Suite, Mangazeisky Horizon. Russia, Siberian Platform

**TUNISIACRINUS** Lane, 1979. \**T. imitator* Lane, 1979.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Tunisiacrinidae

Lane, N. G., 1979, p. 126. Broadhead, 1981, p. 146. Webster, 1986, p. 314.

Webster, 1988, p. 163.

Named, currently recognized species based on cups or crowns: 1 Permian, Wordian species

Permian, Wordian. Tunisia

\**Tunisiacrinus imitator* Lane, N. G., 1979, p. 126, Pl. 1, figs. 9-12; Figs. 1, nos. A, C.

Webster, 1986, p. 314.

Permian, Wordian. Tunisia

**TURBINICRINITES** Troost, 1909 = **CYTOCRINUS**

*Turbinicrinites verneuili* Troost, 1909 = *Cytocrinus laevis*

**TURBINOCCRINUS** Wachsmuth and Springer, 1881 and authors = **CYTOCRINUS**

**TURBOCRINUS** Ausich, 1986. \**T. punctum* Ausich, 1986.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthemocrinidae Ausich, 1986b, p. 94. Webster, 1993, p. 121.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, late early or middle Llandoveryian. United States, Ohio

\**Turbocrinus punctum* Ausich, 1986b, p. 94, Figs. 5, nos. 6-8; 6, no. 2. Webster, 1993, p. 121.

Silurian, late early or middle Llandoveryian, Brassfield Formation. United States, Ohio

Two-circlet crinoid Simms, 1994, p. 305, Fig. 3, nos. B-C (diagramatic).

*Tylacocrinus* sp. Le Maitre, 1952, p. 97, Pl. 22, fig. 13. Webster, 1973, p. 262.

**Note.** Uncertain what this specimen is, it may be a *Megistocrinus*; the generic name *Tylacocrinus* is not described, and may be a misspelling of *Tylocrinus* = *Megistocrinus*, GDW).

Early or Middle Devonian. Algeria

**TYLOCRINUS** Wood, 1904 = **MEGISTOCRINUS**

*Tylocrinus novus* Wood, 1904 = *Megistocrinus novus*

**TYPANOCRINUS** Ausich, 1985. \**T. strombos* Ausich, 1985.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Ausich, 1985, p. 797. Webster, 1988, p. 163.

Named, currently recognized species based on cups or crowns: 1 Silurian,  
Llandoveryian species  
Silurian, Llandoveryian; United States, Ohio

\**Typanocrinus strombos* Ausich, 1985, p. 798, Figs. 3, nos. 3, 6-7; 4. Webster, 1988,  
p. 163.

Silurian, Llandoveryian, Brassfield Formation. United States, Ohio

Typical crinoids Parks and Holland, 2006, p. 228.

Reprint of Pl. 77 (Shimer and Shrock, 1944)

**TYRIOCRINUS** Wright, 1945. \**T. laxus* Wright, 1945.

Sbc. Cladida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Wright, J., 1945, p. 1144. Arendt and Hecker, 1964, p. 90. Webster, 1973, p. 262.

Moore and Strimple *in* Moore and Teichert, 1978, p. T701. Webster, 1981, p.

1196, Fig. 1. Burdick and Strimple, 1983a, p. 81. Webster, 1986, p. 314.

Webster, 1988, p. 163. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p.  
121.

Named, currently recognized species based on cups or crowns: 2 Mississippian  
species, 1 Viséan, 1 Serpukhovian

Mississippian, late Viséan. United Kingdom, Scotland

Mississippian, Serpukhovian (Chesterian). United States

?*Tyrieocrinus inornatus* Burdick and Strimple, 1983a, p. 81, Pl. 10, figs. 12, 14-16, 25,  
27. Webster, 1988, p. 163.

Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States,  
Alabama

?*Tyrieocrinus* cf. ?*T. inornatus* Burdick and Strimple, 1983a, p. 83, Pl. 7, figs. 7, 9-10,  
12, 14. Webster, 1988, p. 163.

Mississippian, Serpukhovian (Chesterian), Hindsville Limestone. United States,  
Oklahoma

\**Tyrieocrinus laxus* Wright, J., 1945, p. 114, Pl. 3, figs. 1, 6-15, 17, 19, 21, 23; Figs. 1-4.

Wright, J., 1952a, p. 117, Pl. 19, figs. 5-7, 15-16, 18-22. Webster, 1973, p. 262.

Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 461, no. 1.

Webster, 1986, p. 314.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

**TYTHOCRINUS** Weller, 1930 = **AMPHIPSALIDOCRINUS**

*Tythocrinus alamogordoensis* (Strimple and Koenig, 1956) = *Amphipsalidocrinus*  
*alamogordoensis*

*Tythocrinus arcarius* (Koenig and Meyer, 1965) = *Amphipsalidocrinus arcarius*

*Tythocrinus comptus* (Weller, 1930) = *Tythocrinus comptus* = *Amphipsalidocrinus scissurus*

*Tythocrinus inconsuetus* (Peck, 1936) = *Amphipsalidocrinus inconsuetus*

*Tythocrinus* sp. Lane and Breimer, 1974 = *Amphipsalidocrinus* sp.

**UFACRINUS** Arendt, 2005. \**Ufacrinus minutus* Arendt, 2005.

Sbc. Cladida, O. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae

Arendt, 2005a, p. 60. Arendt, 2005b, p. 634.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, late Artinskian. Russia, Ural Mountains

\**Ufacrinus minutus* Arendt, 2005a, p. 61, Pl. 6, figs. 1-3. Arendt, 2005b, p. 635, Pl. 6, figs. 1-3.

Permian, late Artinskian. Russia, Ural Mountains

**ULOCRINUS** Miller and Gurley, 1890. \**U. buttsi* Miller and Gurley, 1890.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Miller and Gurley, 1890a, p. 6. Miller and Gurley, 1890b, p. 6. Miller, S. A., 1892a, p.

682. Bather, 1899a, p. 33. Bather *in* Lankester, 1900, p. 181. Wachsmuth *in*

Zittel, 1900, p. 162. Springer *in* Zittel, 1913, p. 224. Wanner, 1924, p. 170.

Wright, 1927, p. 363. Bassler, 1938, p. 190. Moore and Plummer, 1940, p. 336.

Bassler and Moodey, 1943, p. 718. Moore and Laudon, 1943b, p. 60. Moore and

Laudon, 1944, p. 175. Wright and Strimple, 1945, p. 222. Branson, C. C., 1948,

p. 220. Cuénot, 1948, p. 62. Arendt and Hecker, 1964, p. 90. Strimple and

Watkins, 1969, p. 161. Strimple and Moore, 1971a, p. 24. Strimple and Moore,

1973b, p. 14. Strimple and Cocke, 1973, p. 151. Webster, 1973, p. 262.

Webster,

1977, p. 173. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig.

457.

Pabian and Strimple, 1980a, p. 162. Webster, 1981, p. 1196, Fig. 1. Webster,

1986, p. 315. Webster, 1988, p. 163. Pabian and Strimple, 1993, p. 15. Pabian

and Rushlau, 2002, p. 25. Webster and Maples, 2006, p. 193, Fig. 3, no. D.

Mirantsev and Rozhnov, 2011a, p. 49. Mirantsev and Rozhnov, 2011b, p. 52.

Named, currently recognized species based on cups or crowns: 114 species: 1

Mississippian, Viséan; 11 Pennsylvanian, 1 Atokan, 3 Desmoinesian, 5

Missourian, 1 Missourian – Virgilian, 1 Gzhelian, 2 Kasimovian

Mississippian, Viséan. United Kingdom

Middle - Late Pennsylvanian, Atokan - Missourian, ?Virgilian. United State

*Ulocrinus americanus* (Weller, 1909) = *Parulocrinus americanus*

*Ulocrinus* sp. cf. *U. americanus* (Weller, 1909). Pabian and Strimple, 1993, p. 15.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Nebraska, Kansas

*Ulocrinus blairi* Miller and Gurley, 1894 = *Parulocrinus blairi*

"*Ulocrinus*" *blairi* Miller and Gurley, 1894 = *Parulocrinus blairi*

*Ulocrinus bockschii* (Geinitz, 1846) = *Ureocrinus bockschii*

\**Ulocrinus buttsi* Miller and Gurley, 1890a, p. 7, Pl. 1, figs. 5-6. Miller and Gurley, 1890b,

p. 7, Pl. 1, figs. 5-6. Miller and Gurley, 1891, 331, Pl. 1, figs. 5-6. Miller, S. A., 1892a, p. 683, Fig. 1252. Weller, S., 1898c, p. 637. Bather, 1899a, p. 33, Fig. 3, no. 1. Bather *in* Lankester, 1900, p. 122, Fig. 29, no. 2. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 718. Moore and Laudon, 1944, p. 175, Pl. 56, fig. 27. Wright and Strimple, 1945, p. 222, Pl. 9, figs. 8-9; Figs. 4-5. Ubaghs, 1953, p.

677, Fig. 16, no. e. Cronoble, 1960, p. 97, Figs. 1-3. Yakovlev, 1964b, p. 66, Fig. 91, nos. zh- i. Strimple and Cocke, 1973, p. 152. Strimple, 1973b, p. 111, Figs.

1-2. Webster, 1973, p. 263. Webster, 1977, p. 173. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 461, no. 4a. Pabian and Strimple, 1980, p. 163, Fig. 5, no. K. Webster, 1986, p. 315.

*Cromyocrinus buttsi* (Miller and Gurley, 1890). Keyes, 1894a, p. 216. Weller, S., 1898c, p. 637. Bassler and Moodey, 1943, p. 377.

Pennsylvanian, Missourian, Argentine? Limestone; Hogshooter Limestone; Wann Formation, Winterset Limestone. United States, Missouri, Oklahoma

*Ulocrinus* sp. cf. *U. buttsi* Miller and Gurley, 1890. Pabian and Strimple, 1974b, p. 10. Webster, 1986, p. 315.

Pennsylvanian, Missourian, Lansing Group, Plattsburg Limestone Formation, Merriam (Meadow) Limestone Member. United States, Kansas

Uniserial arms Westhead, 1978, Fig. 4, no. c (diagrammatic)

*Ulocrinus* sp. cf. \**U. buttsi* Miller and Gurley, 1890. Pabian and Stimple, 1993, p. 15, Fig. 20, nos. a-b.

Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

*Ulocrinus caverna* Strimple, 1949 = *Parulocrinus caverna*

*Ulocrinus?* *conoideus* Wanner, 1937 = Unnamed n. gen. 2

*Ulocrinus convexus* (Strimple, 1939). Strimple and Watkins, 1969, p. 166, Pls. 52, figs. 1-2; 55, figs. 1-2, 7. Strimple and Moore, 1971a, p. 25, Pls. 16, figs. 3a-3c; 17, figs. 3a-3b. Webster, 1977, p. 173. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 461, no. 4b. Webster, 1981, p. 1196. Webster, 1986, p. 315. Webster, 1988, p. 163.

*Ethelocrinus convexus* Strimple, 1939a, p. 373, Pl. 1, figs. 11-12, 15-16. Bassler and Moodey, 1943, p. 718. Webster, 1981, p. 1196. Webster, 1988, p. 163.  
*Ulocrinus? convexus* (Strimple, 1939). Moore and Plummer, 1940, p. 337.  
 Bassler and Moodey, 1943, p. 718. Webster, 1981, p. 1196.  
 Pennsylvanian, Missourian, Argentine Limestone; Wolf Mountain Shale; Bond Formation, LaSalle Limestone Member. United States, Iowa, Missouri, Texas, Illinois

*Ulocrinus? convexus* (Strimple, 1939) = *Ulocrinus convexus*

*Ulocrinus* cf. *U. convexus* (Strimple, 1939). Strimple, 1969a, p. 65, Fig. 1. Webster, 1977, p. 173.  
 Pennsylvanian, Missourian, Stanton Formation, Stoner Limestone Member. United States, Kansas

*Ulocrinus doliolus* Wright, 1936 = *Ureocrinus doliolus* = *Tubulusocrinus doliolus*

*Ulocrinus elongatus* Strimple, 1961g, p. 75, Pl. 6, figs. 5-6. Webster, 1973, p. 263.  
 Pennsylvanian, Desmoinesian, Holdenville Shale. United States, Oklahoma

*Ulocrinus extrorsus* Strimple and Moore, 1973 = *Ulocrinus rockymontanus*

*Ulocrinus fistulosus* Strimple and Moore, 1971a, p. 24, Pls. 15, figs. 2a-2d; 16, figs. 1a-1c, 2a-2c. Webster, 1977, p. 173. Ubaghs in Moore and Teichert, 1978, p. T99, Fig. 73, no. 1. Webster, 1986, p. 315.  
 Pennsylvanian, Missourian, Plattsburg Formation; Wann Formation; Bond Formation, LaSalle Limestone Member. United States, Kansas, Oklahoma, Illinois

*Ulocrinus globularis* Bather, 1916 = *Ulocrinus bockschii* = *Ureocrinus bockschii* = *Ureocrinus globulus*

*Ulocrinus globularis* Elongate Form Bather, 1920c = *Ureocrinus bockschii*

*Ulocrinus globularis* Sphaeroideal Form Bather, 1920c, p. 216, Fig. 3. (Not *Ureocrinus globulus* GDW).  
 Mississippian, Viséan. United Kingdom

*Ulocrinus globulus* de Koninck, 1858; Yakovlev, 1949 = *Ureocrinus globularis* = *Ureocrinus globulus*

*Ulocrinus? goliathus* (Waagen, 1885) = *Cyathocrinus goliathus*

*Ulocrinus grishini* Mirantsev and Rozhnov, 2011a, p. 51, Pl. 10, fig. 3. Mirantsev and Rozhnov, 2011b, p. 55, Pl. 10, fig. 3.  
 Upper Carboniferous, Gzhelian, Noginian Horizon. Russia, Vladimir region, near Kovrov, Melikhovskii quarry

*Ulocrinus indicus* Wanner, 1924 = Unnamed n. gen. 2

*Ulocrinus? indicus* Wanner, 1923 = Unnamed n. gen. 2

*Ulocrinus kansasensis* Miller and Gurley, 1890a, p. 8, Pl. 1, figs. 7-10. Miller and Gurley,

1890b, p. 8, Pl. 1, figs. 7-10. Miller and Gurley, 1891, p. 332, Pl. 1, figs. 7-10.

Miller, S. A., 1892, p. 683, Fig. 1253. Weller, S., 1898c, p. 637. Bather, 1899a, p. 33, Fig. 1, nos. 2-3. Bather *in* Lankester, 1900, p. 122, Fig. 29, nos. 3-4. Bassler and Moody, 1943, p. 719. Moore and Laudon, 1944, p. 175, Pl. 56, fig. 26.

Wright and Strimple, 1945, p. 222, Fig. 1. Webster, 1973, p. 263. Pabian and Strimple, 1980a, p. 163, Fig. 5, nos. L-N. Webster, 1986, p. 315.

*Cromyocrinus kansasensis* (Miller and Gurley, 1890). Keyes, 1894a, p. 216, Pl. 24, fig. 7. Weller, S., 1898c, p. 637. Bassler and Moody, 1943, p. 719.

*Ulocrinus kanssasensis* Miller and Gurley, 1890. Ubaghs, 1953, p. 677, Fig. 16, no. f.

Pennsylvanian, Missourian, Argentine? Limestone; Stanton Formation, Stoner Limestone Member. United States, Missouri, Iowa, Nebraska

*Ulocrinus kanssasensis* Miller and Gurley, 1890 = *Ulocrinus kansasensis*

*Ulocrinus karchevskyi* Mirantsev and Rozhnov, 2011a, p. 52, Pl. 10, figs. 1-2, Fig. 1, no. j. Mirantsev and Rozhnov, 2011b, p. 55, Pl. 10, figs. 1-2, Fig. 1, no. J.

Upper Carboniferous, Kasimovian, Khamovnichean Horizon, Neverovo Formation. Russia, Moscow region, Vosksresenskii District

*Ulocrinus manzanitaensis* Webster and Kues, 2006, p. 14, Figs. 5.5-5.8.

Pennsylvanian, Desmoinesian, Madera Group, Los Moyos Formation. United States,

New Mexico

*Ulocrinus neverovoensis* Mirantsev and Rozhnov, 2011a, p. 49, Pl. 9, figs. 1-8; Fig. 1, a-

i. Mirantsev and Rozhnov, 2011b, p. 52, Pl. 9, figs. 1-8; Fig. 1, nos. a-i.

Upper Carboniferous, Kasimovian, Khamovnichean Horizon, Neverovo Formation. Russia, Moscow region, Vosksresenskii District

*Ulocrinus nuciformis* Hind, 1902 = *Cromyocrinus nuciformis* = *Ureocrinus bockschii*

*Ulocrinus nuciformis* Goblet Form Bather, 1920c, p. 216, Figs. 1-2. (Not a *Ulocrinus*, GDW)

Mississippian, Viséan, Lower Limestone Series. United Kingdom, Scotland

*Ulocrinus nuciformis* Conical Form Bather, 1920c, p. 216. (More than one species in the forms assigned, GDW)

Middle Carboniferous. United Kingdom



- Ulocrinus occidentalis* Miller and Gurley, 1893. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 638. Hauer, 1958, p. 41 (incorrect explanation for plate), Pl. 2, fig. 13 (basal). Webster, 1973, p. 276.
- Ulocrinus? occidentalis* Miller and Gurley, 1893, p. 58, Pl. 6, figs. 6-8. Weller, S., 1898c, p. 638. Plummer, and Moore, 1921, p. 79, Pls. 13, fig. 3; 23, fig. 13. Bassler and Moodey, 1943, p. 719. Webster, 1981, p. 1196. Webster, 1988, p. 164.
- Pennsylvanian, Missourian, Argentine Limestone; Strawn Formation; Cisco Formation. United States, Missouri, Texas
- Ulocrinus? occidentalis* Miller and Gurley, 1893 = *Ulocrinus occidentalis*
- Ulocrinus percultus* Knapp, 1969 = *Mathericrinus percultus* = *Metacromyocrinus percultus*
- Ulocrinus rockymontanus* Strimple and Moore, 1973b, p. 15, Fig. 9, nos. 4-6. Webster, 1977, p. 174. Webster and Houck, 1998, p. 1063, Figs. 4.24-4.26, 4.33. Itano et al., 2003, p. 91, Fig. 6, nos. 1-4.
- Ulocrinus extrorsus* Strimple and Watkins, 1969, p. 165, Pl. 56, figs. 6, 8. Strimple and Moore, 1973b, p. 14, Fig. 9, nos. 13-15. Webster, 1977, p. 173. Webster and Houck, 1998, p. 1063.
- Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Member; Minturn Formation. United States, Texas, Colorado
- Ulocrinus sangamonensis* (Meek and Worthen, 1860). Mather, 1915, p. 104. Moore and Plummer, 1940, p. 337. Bassler and Moodey, 1943, p. 719. Moore and Laudon, 1943b, p. 135, Pl. 6, fig. 7. Moore and Laudon, 1944, p. 175, Pl. 56, fig. 28. Wright and Strimple, 1945, p. 222, Fig. 3. Ubaghs, 1953, p. 677, Fig. 16, no. d. Yakovlev, 1964b, p. 66, Figs. 91, nos. g-e. Strimple and Moore, 1971a, p. 25, Pl. 15, figs. 1a-1d. Webster, 1973, p. 263. Webster, 1977, p. 174. Webster and Kues, 2006, p. 14, Figs. 5.9-5.12, 5.39-5.42.
- Cyathocrinus? sangamonensis* Meek and Worthen, 1860, p. 392. Meek and Worthen, 1866a, p. 310, Pl. 26, figs. 1a-1b; Fig. 31. Weller, S., 1898c, p. 196. Bassler and Moodey, 1943, p. 719.
- Cyathocrinus sangamonensis* Meek and Worthen, 1860. Shumard, 1868, p. 363. Miller, S. A., 1889, p. 236.
- Cromyocrinus sangamonensis* (Meek and Worthen, 1860). Wachsmuth and Springer, 1886, p. 249 (173). Weller, S., 1898c, p. 196. Bassler and Moodey, 1943, p. 719.
- Eupachycrinus sangamonensis* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 245, Fig. 305.
- Pennsylvanian, Missourian-Virgilian, Argentine Limestone; upper part of Madera Group. United States, Illinois, Iowa, New Mexico
- Ulocrinus uralensis* Yakovlev, 1930 = Unnamed n. gen. 2
- Ulocrinus zeschi* Strimple and Watkins, 1969, p. 167, Pls. 37, figs. 4-7; 38, figs. 5-7. Webster, 1977, p. 174.

Pennsylvanian, Atokan, Big Saline Formation, Soldiers Hole Member. United States, Texas

*Ulocrinus* sp. A Pabian and Strimple, 1993, p. 16, Fig. 19, nos. d-f.  
Pennsylvanian, Missourian, ?Virgilian, South Bend Limestone. United States, Kansas

*Ulocrinus* sp. A Pabian and Rushlau, 2002, p. 25, Fig. 6, nos. 14-15.  
Pennsylvanian, Virgilian, Kanwaka Formation, Stull Shale Member. United States, Iowa

*Ulocrinus* spp.

Miller and Gurley, 1889, p. 370, Pl. 10, figs. 9-13. Miller and Gurley, 1890, p. 54, Pl. 10, figs. 9-13. (IBB). Weller, S., 1898c, p. 638.

Carboniferous: United States, Midcontinent (no formation or locality given)  
Wright, 1920, p. 381, unfig.

Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland, Devonshire, 1954, Pl. 2, fig. 4. Devonshire, 1955, Pl. 2, fig. 4. Webster, 1977, p. 174.

Pennsylvanian, Desmoinesian, Pumpkin Creek Limestone. United States, Oklahoma

Tischler, 1963, p. 1067, Fig. 6, nos. D, E. Webster, 1973, p. 263.

Pennsylvanian, Missourian?, Madera Formation. United States, Colorado  
Priest, 1966, Unnum. Fig. p. 817. Webster, 1977, p. 174.

Pennsylvanian, Missourian, Island Creek Shale. United States, Iowa  
Korejwo and Teller, 1968, Pl. 2, fig. 1. Webster, 1977, p. 174.

Carboniferous. Poland

Priest, 1971, p. 92, Pl. 1, fig. 2. Webster, 1977, p. 174.

No age or locality given

Pabian and Strimple, 1978a, p. 46, Fig. 1, nos. E-H. Webster, 1986, p. 316.

Pennsylvanian, Missourian, Bond Formation, LaSalle Limestone Member.  
United States, Illinois

Pabian and Strimple, 1980b, p. 17, Pl. 5, figs. 11-12. Webster, 1986, p. 316.

Pennsylvanian, Virgilian, Lecompton Formation, Beil Limestone. United States, Iowa

Finsley, 1989, p. 97, Fig. 24.

Pennsylvanian. United States, Texas

*Ulocrinus?* sp. Kues, 1996, p. 184, Fig. 8, no. 8.

Pennsylvanian, horizon unknown Missourian or Virgilian, Madera Formation. United States, New Mexico

*Ulocrinus?* sp. Webster and Kues, 2006, p. 15, Fig. 5.30.

Pennsylvanian, late Atokan, Sandia Formation. United States, New Mexico

**ULRICHICRINUS** Springer, 1926. \**Ulrichicrinus oklahoma* Springer, 1926.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F. Scytalocrinidae

Springer, 1926b, p. 75. Moore and Plummer, 1938, p. 250. Bassler, 1938, p. 190.

- Bassler and Moodey, 1943, p. 719. Moore and Laudon, 1943b, p. 55. Moore and Laudon, 1944, p. 158. Arendt and Hecker, 1964, p. 88. Strimple and Watkins, 1969, p. 173. Strimple and Moore, 1971b, p. 18. Webster, 1973, p. 263.
- Webster,  
1977, p. 174. Moore and Strimple *in* Moore and Teichert, 1978, p. T651.  
Webster, 1986, p. 316. Lane and Sevastopulo, 1990, p. 335. Kammer and Ausich, 1992, p. 475. Webster, 1993, p. 121.
- Named, currently recognized species based on cups or crowns: 6 species. 4 Mississippian, 3 Viséan, 1 Serpukhovian; 2 Pennsylvanian, 1 Morrowan, 1 Desmoinesian
- Mississippian, Viséan (Osagean) - Pennsylvanian, Desmoinesian. United States
- Ulrichicrinus agnatus* (Miller, 1891). Kammer and Ausich, 1992, p. 475, Figs. 3.8-3.16.  
*Poteriocrinus agnatus* Miller, S. A., 1891c, p. 43 (adv. pub.). Miller, S. A., 1892a, p. 681. Miller, S. A., 1892b, p. 653, Pl. 8, figs. 6, 8: Figs. 6-7. Weller, S., 1898c, p. 472. Grabau and Shimer, 1910, p. 509. Bassler and Moodey, 1943, p. 637. Kammer and Ausich, 1992, p. 475. Ausich, Goldstein, and Yates, 2000, p. 1073, Fig. 2, no. 7.
- Poteriocrinites agnatus* (Miller, 1891). Bassler and Moodey, 1943, p. 637. Kammer and Ausich, 1992, p. 475.
- Poteriocrinus amoenus* Miller, S. A., 1891c, p. 45 (adv. pub.) . Miller, S. A. 1892a, p. 681, Fig. 1383. Miller, S. A., 1892b, p. 655, Pl. 9, fig. 6. Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 475.
- Poteriocrinites amoenus* (Miller, 1891). Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 475.
- Poteriocrinus amaenus* (Miller, 1891). Weller, S., 1898c, p. 472. Grabau and Shimer, 1910, p. 509.
- Poteriocrinus brittsi* Miller, S. A., 1891b, p. 30, Pl. 4, figs. 5-6. Miller, S. A., 1892a, p. 681. Weller, S., 1898c, p. 473. Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 475.
- Poteriocrinites brittsi* (Miller, 1891). Bassler and Moodey, 1943, p. 638. Kammer and Ausich, 1992, p. 475.
- Poteriocrinus coryphaeus* Miller, S. A., 1891c, p. 44 (adv. pub.) . Miller, S. A., 1892b, p. 654, Pl. 9, fig. 1. Miller, S. A., 1897, p. 751, Fig. 1386. Weller, S., 1898c, p. 473. Beede, 1906, p. 1256, Pl. 13, figs. 1-1a. Bassler and Moodey, 1943, p. 719. Kammer and Ausich, 1992, p. 475.
- Ulrichicrinus coryphaeus* (Miller, 1891). Moore and Laudon, 1943b, p. 133, Pl. 4, fig. 5. Moore and Laudon, 1944, p. 158, Pl. 59, fig. 13. Webster, 1973, p. 263. Kammer and Ausich, 1992, p. 475.
- Poteriocrinus corphaeus* Miller, 1891. Miller, S. A., 1892a, p. 681 (sic).  
Mississippian, Viséan (Osagean), Warsaw Limestone; Edwardsville Formation; Muldraugh Member, Borden Formation. United States, Missouri, Indiana, Kentucky
- Ulrichicrinus chesterensis* Strimple, 1949d, p. 29, Pl. 5, figs. 8-11. Broadhead and Bagby, 1972, p. 29, Pl. 1, figs. 11-13. Webster, 1973, p. 263. Webster, 1977, p. 174.
- Mississippian, Serpukhovian (Chesterian), Fayetteville Formation; Floyd Shale.

United States, Oklahoma, Georgia

*Ulrichicrinus coryphaeus* (Miller, 1891) = *Ulrichicrinus agnatus*

*Ulrichicrinus? illinoisensis* (Worthen, 1882). Kammer and Ausich, 1992, p. 476, Fig. 3.6.

*Poteriocrinus illinoisensis* Worthen, 1882, p. 19. Worthen, 1883, p. 289, Pl. 28, fig. 17. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 475. Bassler and Moodey, 1943, p. 641. Kammer and Ausich, 1992, p. 476.

*Poteriocrinites illinoisensis* (Worthen, 1882). Bassler and Moodey, 1943, p. 641. Kammer and Ausich, 1992, p. 476.

Mississippian, Viséan (early Meramecian), upper part of the Warsaw Formation. United States, Illinois

*Ulrichicrinus? keokuk* (Hall, 1859). Kammer and Ausich, 1992, p. 476, Fig. 3.7.

*Poteriocrinus keokuk* Hall, 1859a, p. 64, Unnum. Fig. Shumard, 1868, p. 391. Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 544. Bassler and Moodey, 1943, p. 648.

Kammer and Ausich, 1992, p. 476.

*Poteriocrinus (Scaphiocrinus) keokuk* Hall, 1859. Wachsmuth and Springer, 1880 (1879), p. 113 (336). Bassler and Moodey, 1943, p. 648. Kammer and Ausich, 1992, p. 476.

*Scaphiocrinus keokuk* (Hall, 1859). Weller, S., 1898c, p. 544.

Mississippian, Viséan (Osagean), Keokuk Limestone. United States, Illinois, Iowa

\**Ulrichicrinus oklahoma* Springer, 1926b, p. 76, Pl. 20, figs. 1-2. Moore and Plummer, 1938, p. 250, Fig. 10. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 719. Moore and Laudon, 1944, p. 158, Pl. 59, fig. 14. Moore and Strimple in Moore and Teichert, 1978, p. T651, Fig. 426, no. 1. Webster, 1986, p. 316.

*Ulrichicrinus oklahomae* Springer, 1926. Webster, 1973, p. 263 (sic).

Pennsylvanian, Morrowan, Wapanucka Limestone. United States, Oklahoma

*Ulrichicrinus oklahomae* Springer, 1926 = *Ulrichicrinus oklahoma*

*Ulrichicrinus ramosus* Strimple and Watkins, 1969, p. 174, Pls. 31, figs. 1, 7; 55, figs. 5-6. Webster, 1977, p. 174.

Pennsylvanian, Desmoinesian, Millsap Lake Formation, Brannon Bridge Member. United States, Texas

Unbearbeitete Seelilie Bartels and Brassel, 1990, p. 174, Fig. 159.

Devonian, early Emsian, Hunsrückschiefer. Germany, Bundenbach

Unclassified camerate crinoid Brower, 1974 = unclassified camerate crinoid. Donovan, 1989d

Unclassified camerate crinoid Donovan, 1989d, p. 81, Pls. 7, fig. 8; 13, fig. 9; Fig. 25, nos. B-C. Webster, 1993, p. 122.

*Xenocrinus* sp. Ramsbottom, 1961, p. 22. Webster, 1973, p. 267. Brower, 1974a, p. 12. Webster, 1986, p. 323. Donovan, 1989d, p. 81. Webster, 1993, p. 122. Unclassified camerate crinoid Brower, 1974a, p. 12, Pl. 3, figs. 2-3. Webster, 1986, p. 323. Webster, 1993, p. 122. Camerate Donovan, 1986a, p. 44. Donovan, 1989d, p. 81. Webster, 1993, p. 122. Ordovician, Katian (Ashgillian), upper part of Drummuck Group, Ladyburn Starfish Bed. United Kingdom, Scotland

Undescribed crinoid Etheridge *in* Jack and Etheridge, 1892, p. 210, Pl. 7, fig. 7. Pennsylvanian, Westphalian, Neerkol Formation (originally given as Gympie Beds). Australia, Queensland

Undescribed crinoid Guensburg et al, 2010, p. 435, Fig. 5, no. A. Ordovician, Floian (early Arenig, middle Ibexian), Fillmore Formation. United States, Utah

Undescribed genus Lesley, 1889, p. 165, Fig. 4-4a. Silurian, Niagara Formation. United States, New York

Undesignated Moore, 1939 = *Megistocrinus evansii*

Undesignated crown Bergstrom et al., 1980 = *Cyathocrinites* sp. 1

Undetermined camerate crinoid Eckert and Bret, 2001, p. 7, Fig. 1, no. J. Undetermined species J Hall, 1852. Eckert and Brett, 2001, p. 7. Silurian, "Clinton Beds". United States, New York

Undetermined crinoid Foerste, 1919 = *Stereoaster squamosus*

Undetermined crinoid Thomas and Ladd, 1926 = *Quintuplexocrinus oswegoensis*

Undetermined crinoid cup plates Pisera, 1994, p. 285, Pls. 60, fig. 14; 62, fig. 9; on plate explanation given as (probably *Trochocrinites*). Ordovician, Katian (Ashgillian), Mojcza Limestone. Poland, Holy Cross Mountains

Undetermined Heterocrinid 1 Ramsbottom, 1961(part) = *Clavulocrinus scolicus*

Undetermined Heterocrinid 1 Ramsbottom, 1961 (part) = *Dendrocrinidae* genus and species uncertain

Undetermined Heterocrinid 2 Ramsbottom, 1961 = *Aithriocrinus strahani*

Undetermined Heterocrinid 3 Ramsbottom, 1961 (part) = Indeterminate cladid inadunate

Undetermined species J. Hall, 1852 = Undetermined camerate crinoid

Unidentified camerate Brett and Taylor *in* Hess et al., 1999 p. 69, Fig. 83.

Ordovician, Sandbian, Bobcaygeon Limestone. Canada, Ontario

Unidentified crinoid

*Ophiurites* sp. Roussow, 1933, p. 75, Fig. 2.

Paleozoic, Cape System. South Africa, Prince Albert District

Unidentified crinoid Herrick, 1888, p. 105, Pl. 5, figs. 16-16a. Herrick, 1893, Pl. 21, figs. 16-16a.

Mississippian, Tournaisian (Kinderhookian), Waverly Group. United States, Ohio

Unidentified crinoid calyx Wolf, 1983, p. 170, Pl. 23, fig. 2.

Mississippian, Tournaisian (Kinderhookian), Gilmore City Formation. United States, Iowa

Unidentified crinoid crown.

Trunko, 1966, p. 93, Pls. 3-6. Webster, 1973, p. 276.

Devonian, Givetian, Ton Schiefer. Germany

Bonik, Gutmann, and Haude, 1978, p. 212, Fig. 1, no. E. Webster, 1986, p. 323.

Age not given.

Unidentified crinoid crowns

Stürmer, 1968, p. 413, Figs. 1-5. Webster, 1977, p. 182.

Devonian, Coblenzian, Hunsrückschiefer. Germany

Regnell, 1973, p. 161, Fig. 1. Webster, 1977, p. 182.

Middle Silurian. Sweden

Mory and Backhouse, 1997, Cover photograph.

Permian, early Artinskian, Callytharra Formation: Australia, Western Australia

Unidentified crinoid cups Wilson, C. W., 1949, p. 243, Pl. 21, figs. 1-3. Webster, 1973, p. 276.

Silurian, Albian, Brassfield Limestone. United States, Tennessee

Unidentified crinoids Munthe, *et al.*, 1925, frontise.

Silurian, Wenlockian. Sweden, Isle of Gotland

Unidentified crown

Johnson, 1965, p. 110, front cover. Webster, 1977, p. 182.

Middle Devonian, Givetian, Hamilton Group. Canada, Ontario

Franzén, 1973, p. 292, Fig. 6. Webster, 1986, p. 324.

Silurian, late Wenlockian, Slite Beds. Sweden, Follingbo

Unidentified crowns

Dow, 1962, Fig. 1. Webster, 1977, p. 182 (one cup *Eucaplyptocrinites*, the other a small inadunate, GDW).

No age or locality given

Lane, N. G., 1976a, p. 17, Unnum. Fig. p. 17. Webster, 1986, p. 324.

Ordovician to Mississippian forms. United States

- Unidentified dicyclic inadunate crinoid Ramsbottom, 1961 = Indeterminate flexible crinoid
- Unidentified Heterocrinitoidea Church, 1974 = *Pogocrinus antiquus*
- Unidentified inadunate McLead, 1973, p. 244, Pls. 1, fig. 4 (crown); 2, fig. 4 (crown).  
Webster, 1977, p. 183.  
Mississippian, Viséan (Osagean), Warsaw Limestone. United States, Missouri
- Unidentified inadunate crinoid Donovan, 1985b, p. 110, Fig. 2, no. B. Webster, 1988, p. 164.  
Ordovician?. no locality data
- Unidentified Knobstone Group form Brower, 1973, p. 383, Fig. 240 (arm fragment).  
Webster, 1977, p. 183.  
Mississippian, Viséan (Osagean), Knobstone Group. United States
- Uniserial brachials Webster and Maples, 2008, p. 204, Fig. 10.2, nos. 1-4.  
Diagramatic
- Uniserial branched brachials Pisera, 1994, p. 289, Pl. 59, figs. 11-12.  
Ordovician, Katian (Ashgillian), Mojca Limestone. Poland, Holy Cross Mountains
- Uniserial crinoid feeding appendage Guensburg and Sprinkle, 2007, p. 282, Fig. 2, no. I.  
Diagramatic
- Uniserial pinnulated brachials Pisera, 1994, p. 288, Pl. 59, fig. 13.  
Ordovician, Darriwilian – Katian (Llanvirnian – Ashgillian), Mojca Limestone.  
Poland, Holy Cross Mountains
- Unknown Cincinnaticrinidae Warn, 1982, p. 87, Pl. 5, figs. 23-24; Fig. 25. Webster, 1988, p. 164.  
Late Ordovician, Sandbian, Bromide Formation, Mountain Lake Member. United States, Oklahoma
- Unknown crinoid Foerste, 1888 = *Stereoaster squamosus*
- Unknown genus Moore, 1939b, p. 199, Fig. 8, nos. 7a-7b (basal? circlet).  
Batocrinidae bzw Actinocrinidae Wanner, 1916, p. 65, Pl. 97(2), Figs. 8a-8b.  
Permian, series uncertain. West Timor
- Unknown genus Moore, 1939b, p. 199, Fig. 8, nos. 8a-8b (basal? circlet).  
Batocrinidae bzw Actinocrinidae Wanner, 1916, p. 65, Pl. 97(2), Figs. 9a-b.  
Permian, series uncertain. West Timor
- Unknown genus Moore, 1939b.

Batocrinidae-Actinocrinidae Gen. et spec. indet. 1 Wanner, 1916, p. 65, Pl. 97(2), fig. 8 (infrabasal or basal circlet).

Permian, series uncertain. West Timor, Basleo

Batocrinidae-Actinocrinidae Gen. et spec. indet. 2 Wanner, 1916, p. 65, Pl. 97(2), fig. 9 (infrabasal or basal circlet).

Permian, series uncertain. West Timor, Basleo

Unnamed n. gen. 2 Webster, 1981, p. 1196, Fig. 1. Webster, 1988, p. 164.

*Cyathocrinus indicus* Waagen, 1887, p. 826, Pl. 98, fig. 1. Bassler and Moodey, 1943, p. 391. Webster, 1981, p. 1196. Webster, 1988, p. 164.

*Cyathocrinites indicus* (Waagen, 1887). Bassler and Moodey, 1943, p. 391. Branson, C. C., 1948, p. 188.

Permian, Wargal Formation, Kalabagh Member. Pakistan, Salt Range  
*Cyathocrinus kattaensis* Waagen, 1887, p. 828, Pl. 96, fig. 2. Bassler and Moodey, 1943, p. 892. Branson, C. C., 1948, p. 189. Webster, 1981, p. 1196.

Webster, 1988, p. 164.

*Cyathocrinites kattaensis* (Waagen, 1887). Bassler and Moodey, 1943, p. 892. Permian, Wargal Formation, Kalabagh Member. Pakistan, Salt Range

*Ulocrinus? conoideus* Wanner, 1937, p. 150, Pl. 10, figs. 9-13, Fig. 46. Bassler and Moodey, 1943, p. 718. Branson, C. C., 1948, p. 220. Webster, 1981, p. 1196. Webster, 1988, p. 164.

Permian, series uncertain. West Timor, Basleo

*Ulocrinus indicus* Wanner, 1924, p. 189, Pl. 16, figs. 17-21; Fig. 19. Bassler and Moodey, 1943, p. 719.

Permian, series uncertain. West Timor, Basleo

*Ulocrinus? indicus* Wanner, 1924. Branson, C. C., 1948, p. 220. Webster, 1981, p. 1196. Webster, 1988, p. 164.

Permian, series uncertain. West Timor, Basleo

*Ulocrinus uralensis* Yakovlev, 1930, p. 95, Pl. 1, figs. 11a-11c. Bassler and Moodey, 1943, p. 719. Branson, C. C., 1948, p. 220. Yakovlev in Yakovlev and Ivanov, 1956, p. 63, Pl. 11, fig. 14. Arendt and Hecker, 1964, p. 90, Pl. 12, fig. 9. Webster, 1973, p. 263. Webster, 1981, p. 1196. Webster, 1988, p. 164.

Permian, Artinskian. Russia, Krasnoufimsk

Unnamed radial Webster and Maples, 2008, p. 202, Fig. 10.1, no. 5.

Devonian, Famennian. Germany

Unnamed species

*Glyptocrinus basalis* Morton, 1861 (*non* M'Coy, 1850), p. 35, part. Bassler and Moodey, 1943, p. 562.

Middle Ordovician. United Kingdom

Unusual crinoid radial? plates Sprinkle, 1971, p. D94, Fig. 1, nos. 49-52. Webster, 1977, p. 183.

Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada, California



**UPEROCRINUS** Meek and Worthen, 1865. \**Actinocrinus pyriformis* Shumard, 1855.  
Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Carpocrinoidea, F.  
Batocrinidae

Meek and Worthen, 1865b, p. 153. Springer, 1913, p. 196. Bassler, 1938, p. 190.  
Bassler and Moodey, 1943, p. 719. Moore and Laudon, 1943b, p. 95, Fig. 16.  
Moore and Laudon, 1944, p. 195. Ubaghs, 1953, p. 740, Fig. 23. Lane, N. G.,  
1963b, p. 921. Webster, 1973, p. 263. Webster, 1977, p. 174. Haugh, 1978, p.  
163, Fig. 11, no. B. Lane *in* Moore and Teichert, 1978, p. T471. Webster, 1986,  
p. 316. Lane and Sevastopulo, 1987, p. 204. Webster, 1988, p. 164. Webster,  
1993, p. 122. Lane, Waters, and Maples, 1997, p. 14. Ausich and Kammer,  
2010a, p. 46. LeMenn, 2009, p. 470, Fig. 7.27, no. b.

**HYPEROCRINUS** Bather, 1898d, p. 117. Bather, 1899a, p. 126. Bather *in*  
Lankester, 1900, p. 168. Bassler, 1938, p. 116. Bassler and Moodey, 1943, p.  
719. Lane *in* Moore and Teichert, 1978, p. T471.

**LOBOCRINUS** Wachsmuth and Springer, 1897, p. 434. \**Actinocrinus nashvillae*  
Troost, 1850. Miller, S. A., 1897, p. 748. Wood, 1909, p. 74. Grabau and  
Shimer, 1910, p. 544. Springer *in* Zittel, 1913, p. 196. Bassler, 1938, p. 126.  
Bassler and Moodey, 1943, p. 719. Lane *in* Moore and Teichert, 1978, p. T471.

Named, currently recognized species based on cups or crowns: 16 Mississippian  
species, 2 subspecies; 2 Tournaisian, 2 Tournaisian - Viséan, 12 Viséan (+2  
subspecies)

Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean). United States

*Uperocrinus acuminatus* Lee, Ausich, and Kammer, 2005, p. 343, Figs. 1.8-1.10.

Mississippian, Viséan (middle Osagean), Nada Member, Borden Formation. United  
States, Kentucky

*Uperocrinus aequibrachiatus* (McChesney, 1860). Bassler and Moodey, 1943, p. 720.  
Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 8. Moore and Laudon, 1944, p.  
197, Pl. 76, fig. 16. Webster, 1973, p. 263.

*Actinocrinus aequibrachiatus* McChesney, 1860, p. 25. McChesney, 1865, Pls. 4,  
figs. 2a-2b; 10, fig. 1. Shumard, 1868, p. 342. Miller, S. A., 1889, p. 217. Weller,  
S., 1898c, p. 330. Bassler and Moodey, 1943, p. 720.

*Lobocrinus aequibrachiatus* (McChesney, 1860). Wachsmuth and Springer, 1897,  
p. 440, Pls. 29, fig. 8; 46, fig. 6. Weller, S., 1898c, p. 330. Grabau and Shimer,  
1910, p. 544. Bassler and Moodey, 1943, p. 720.

*Batocrinus aequibrachiatus* (McChesney, 1860). Miller, S. A., 1889, p. 227.  
Weller, S., 1898c, p. 123.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States,  
Illinois, Iowa, Missouri

*Uperocrinus aequibrachiatus asteriscus* (Meek and Worthen, 1860). Bassler and  
Moodey, 1943, p. 720.

*Actinocrinus asteriscus* Meek and Worthen, 1860, p. 385. Shumard, 1868, p. 342.  
Miller, S. A., 1889, p. 217. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943,  
p. 720.

*Actinocrinus (Batocrinus) asteriscus* Meek and Worthen, 1866a, p. 207, Pl. 15, figs. 8a-8c. Bassler and Moodey, 1943, p. 720.

*Lobocrinus aequibrachiatus* var. *asteriscus* (Meek and Worthen, 1860).

Wachsmuth and Springer, 1897, p. 441, Pl. 29, figs. 9a-9b. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.

*Batocrinus asteriscus* (Meek and Worthen, 1860). Miller, S. A., 1889, p. 227.

*Actinocrinus aequibrachiatus* var. *alatus* Hall, 1861a, p. 263. Hall, 1861b, p. 1. Hall, 1861c, p. 263. Shumard, 1868, p. 342. Hall, 1872c, Pl. 3, figs. 21-23. Miller, S. A., 1889, p. 217. Bassler and Moodey, 1943, p. 720.

*Actinocrinites aequibrachiatus* var. *alatus* (Hall, 1861). Weller, S., 1898c, p. 331.

*Batocrinus aequibrachiatus* var. *alatus* (Hall, 1861). Miller, S. A., 1889, p. 227.

Miller,

S. A., 1897, p. 735.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Illinois, Iowa, Missouri

*Uperocrinus apheles* Ausich and Lane, 1982 = *Gongylocrinus apheles*

*Uperocrinus brittsi* (Miller, 1892). Ausich and Kammer, 2010a, p. 46.

*Batocrinus brittsi* Miller, S. A., 1892 a, p. 675. Miller, S. A., 1892c, p. 33, Pl. 5, figs. 21-23. Miller, S. A., 1894, p. 287, Pl. 5, figs. 21-23. Weller, S., 1898c, p. 124. Bassler and Moodey, 1943, p. 322.

Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri

*Uperocrinus dubius* (Rowley, 1902) = *Abatocrinus dubius*

*Uperocrinus dubius pustulosus* (Rowley, 1902) = *Abatocrinus dubius pustulosus*

*Uperocrinus hageri* (McChesney, 1860). Bassler and Moodey, 1943, p. 720. Haugh, 1975b, p. 268, Figs. 5, no. 4; 7, no. B. Webster, 1986, p. 316.

*Actinocrinus hageri* McChesney, 1860, p. 28. McChesney, 1865, Pls. 4, fig. 1; 10, fig. 3. McChesney, 1868, p. 21, Pl. 4, fig. 1; Unnum. Fig. Shumard, 1868, p. 344. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.

*Batocrinus hageri* (McChesney, 1860). Miller, S. A., 1889, p. 228.

?*Lobocrinus hageri* (McChesney, 1860). Wachsmuth and Springer, 1897, p. 444, Pl. 30, figs. 9-10. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Uperocrinus heteroclitus* (Miller and Gurley, 1895) = *Simatocrinus stelliformis*

*Uperocrinus inflatus* (Rowley and Hare, 1891) = *Gongylocrinus inflatus*

*Uperocrinus insolitus* (Rowley, 1902) = *Abotocrinus insolitus*

- Uperocrinus jessieae* (Miller and Gurley, 1896. Ausich and Kammer, 2010a, p. 46.  
*Batocrinus jessieae* Miller and Gurley, 1896a, p. 20, Pl. 1, figs. 27-32. Miller, S. A., 1897, p. 737. Weller, S., 1898c, p. 128. Bassler and Moodey, 1943, p. 326. Mississippian, Tournaisian (Kinderhookian), Chouteau Limestone. United States, Missouri
- Uperocrinus laura* (Hall, 1861). Ausich and Kammer, 2010a, p. 46.  
*Actinocrinus laura* Hall, 1861b, p. 15. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
*Abatocrinus laura* (Hall, 1861). Lane, N. G., 1963a, p. 697. Good, 1968, Pl. 1, fig. 8. Webster, 1973, p. 31. Webster, 1977, p. 26. Ausich and Kammer, 2010a, p. 46.  
*Batocrinus laura* (Hall, 1861). Miller, S. A., 1889, p. 228. Whitfield, 1893b, p. 17, Pl. 1, figs. 15-16. Miller, S. A., 1897, p. 737. Keyes, 1894a, p. 182, Pl. 23, fig. 8. Wachsmuth and Springer, 1897, p. 384, Pl. 29, figs. 5a-5d. Weller, S., 1898c, p. 129. Grabau and Shimer, 1910, p. 541. Bassler and Moodey, 1943, p. 327. Laudon, 1973b, p. 27, Fig. 3. Webster, 1977, p. 47.  
*Actinocrinus sinuosus* Hall, 1859a, p. 26, Unnum. Fig. Shumard, 1868, p. 348. Hall, 1872c, Pl. 3-A, figs. 8-9. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
*Batocrinus laura sinuosus* (Hall, 1859). Bassler and Moodey, 1943, p. 327.  
*Batocrinus laura* var. *sinuosus* Wachsmuth and Springer, 1897, p. 385. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31.  
*Batocrinus sinuosus* (Hall, 1859). Miller, S. A., 1889, p. 228.  
*Batocrinus scyphus* Miller and Gurley, 1893, p. 23, Pl. 5, figs. 7-9. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; upper part of Burlington Limestone. United States, Illinois, Iowa, Missouri
- Uperocrinus levis* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus levis* Miller and Gurley, 1896c, p. 23, Pl. 1, figs. 13-15. Miller, S. A., 1897, p. 737, Fig. 1312. Weller, S., 1898c, p. 129. Bassler and Moodey, 1943, p. 327. Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa
- Uperocrinus longirostris* (Hall, 1858). Bassler and Moodey, 1943, p. 720. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 7. Moore and Laudon, 1944, p. 197, Pl. 76, fig. 23. Laudon, 1948, Pl. 2 (part). Ubaghs, 1953, p. 740, Fig. 23. Yakovlev, 1964b, p. 60, Fig. 74. Haugh, 1973a, p. 84, Pl. 1, fig. 16; Fig. 61. Webster, 1973, p. 263. Webster, 1977, p. 174. Ubaghs in Moore and Teichert, 1978, p. T133, T201, Figs. 105, no. 1; 171, no. 4. Webster, 1986, p. 316. Ausich and Kammer, 2010b, p. 119, Fig. 3, no. C.

- Actinocrinus longirostris* Hall, 1858c, p. 589, Pl. 11, figs. 2-2b (4c-4d on Pl. by error); Fig. 88. Shumard, 1868, p. 345. Miller, S. A., 1889, p. 218. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.
- Batocrinus longirostris* (Hall, 1858). Wachsmuth and Springer, 1881, p. 167 (341), Pl. 19, figs. 16-17. Miller, S. A., 1889, p. 228. Keyes, 1894a, p. 180, Pl. 24, fig. 5. Weller, S., 1898c, p. 332. Weller, S., 1900, p. 34, Fig. 22. Bassler and Moodey, 1943, p. 720.
- Lobocrinus longirostris* (Hall, 1858). Wachsmuth and Springer, 1897, p. 442, Pls. 5, fig. 15; 28, figs. 1a-1e. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720.
- Batocrinus cassedayanus* Meek and Worthen, 1868b, p. 353. Meek and Worthen, 1873, p. 370, Pl. 5, fig. 1. Miller, S. A., 1889, p. 227. Wachsmuth and Springer, 1897, p. 443. Weller, S., 1898c, p. 331. Bassler and Moodey, 1943, p. 720. Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa, Missouri
- Uperocrinus* sp. cf. *U. longirostris* (Hall, 1858). Brower, 1970, p. 511, Pl. 67, figs. 5, 14-15, 26; Fig. 84, nos. A-D. Webster, 1977, p. 175. Mississippian, Viséan (Osagean), Red Wall Limestone, Thunder Springs Member, Thunder Spring Member or Mooney Falls Member. United States, Arizona
- Uperocrinus marinus* (Miller and Gurley, 1890). Van Sant *in* Van Sant and Lane, 1964, p. 118, Pl. 8, fig. 3. Webster, 1973, p. 264.
- Batocrinus marinus* Miller and Gurley, 1890a, p. 19, Pl. 4, figs. 3-4. Miller and Gurley, 1890b, p. 19, Pl. 4, figs. 3-4. Miller and Gurley, 1891, p. 340, Pl. 4, figs. 3-4. Miller, S. A., 1892a, p. 675. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 327. Van Sant *in* Van Sant and Lane, 1964, p. 118. Webster, 1973, p. 264.
- Lobocrinus spiniferus* Wachsmuth and Springer, 1897, p. 439, Pl. 30, figs. 11-12. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 333. Bassler and Moodey, 1943, p. 721. Van Sant *in* Van Sant and Lane, 1964, p. 118. Webster, 1973, p. 264.
- Uperocrinus spiniferus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 721. Mississippian, Viséan (Osagean), Ramp Creek Formation. United States, Indiana
- Uperocrinus nashvillae* (Troost, 1850). Bassler and Moodey, 1943, p. 721. Moore and Laudon, 1943b, p. 141, Pl. 12, fig. 9. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 25. Laudon, 1948, Pl. 2 (part). Webster, 1973, p. 264. Webster, 1977, p. 175. Ubags *in* Moore and Teichert, 1978, p. T184, Fig. 155, no. 1. Webster, 1986, p. 316. Ausich et al. *in* Hess et al., 1999 p. 23, Fig. 37. Ausich, 2009a, p. 486, suppl., p. 46. Ausich and Kammer, 2010b, p. 119, Fig. 3, no. D.
- Actinocrinites nashvillae* Troost, 1850a, p. 60. Troost, 1850b, p. 419 (*nomen nudum*). Quenstedt, 1885, p. 955, Pl. 77, fig. 2, (typographical error as *Actinocrinus nashvillae* on plate explanation). Bassler, 1938, p. 126. Bassler and Moodey, 1943, p. 721.

- Actinocrinus nashvillae* (Troost, 1850). Hall, 1858c, p. 609, Pls. 15, fig. 4; 16, figs. 4a-4b. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 332. Bassler and Moodey, 1943, p. 721.
- Batocrinus nashvillae* (Troost, 1850). Miller, S. A., 1889, p. 228. Worthen, 1890, p. 85, Pl. 13, fig. 5. Weller, S., 1898c, p. 332. Bassler and Moodey, 1943, p. 721.
- Lobocrinus nashvillae* (Troost, 1850). Wachsmuth and Springer, 1897, p. 435, Pl. 31, fig. 1. Weller, S., 1898c, p. 332. Wood, 1909, p. 75, Pl. 6, figs. 1-4. Grabau and Shimer, 1910, p. 544, Fig. 1874. Bassler and Moodey, 1943, p. 721. Wilson, C. W., 1948, p. 166, Pl. 29, figs. 16-17. Wolf, 1979, p. 151, Fig. 2, no. j. Webster, 1977, p. 175. Webster, 1986, p. 190.
- Mississippian, Viséan (Osagean), Ft. Payne Limestone, Keokuk Limestone. United States, Tennessee, Kentucky, Iowa, Illinois
- Uperocrinus nashville subtractus* (White, 1862). Bassler and Moodey, 1943, p. 721. Gahn and Baumiller, 2006, p. 397, Fig. 1, no. A.
- Actinocrinus nashvillae* var. *subtractus* White, C. A., 1862, p. 16 (adv. pub.). White, C. A., 1865, p. 16. Shumard, 1868, p. 346. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 332. Bassler and Moodey, 1943, p. 721.
- Lobocrinus nashvillae* var. *subtractus* (White, 1862). Wachsmuth and Springer, 1897, p. 436, Pl. 31, figs. 2a-2b. Weller, S., 1898c, p. 332. Bassler and Moodey, 1943, p. 721.
- Batocrinus nashvillae* var. *subtractus* (White, 1862). Miller, S. A., 1889, p. 228.
- Batocrinus subtractus* (White, 1862). Keyes, 1894a, p. 183. Weller, S., 1898c, p. 332.
- Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa, Illinois
- Uperocrinus niteus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.
- Batocrinus niteus* Miller and Gurley, 1896b, p. 15, Pl. 1, figs. 30-32. Weller, S., 1898c, p. 130. Bassler and Moodey, 1943, p. 328.
- Batocrinus nitens* Miller and Gurley, 1896. Miller, S. A., 1897, p. 737 (sic).
- Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa
- \**Uperocrinus pyriformis* (Shumard, 1855). Van Tuyl, 1925, p. 122, 129, Pl. 4, fig. 10. Bassler and Moodey, 1943, p. 721. Moore and Laudon, 1944, p. 195, Pl. 76, fig. 24. Laudon, 1948, Pl. 2 (part). Lane, N. G., 1963b, p. 928, Fig. 5. Webster, 1973, p. 264. Haugh, 1975a, p. 485, Pl. 3, fig. 3. Haugh, 1975b, p. 267, Fig. 5, no. B. Lane in Moore and Teichert, 1978, p. T471, Fig. 276, no. 3. Lane and Dubar, 1983, p. 118, Fig. 3, no. O. Le Menn, 1985, p. 180, Fig. 74, no. B. Webster, 1986, p. 316. Webster, 1988, p. 164. Baumiller, 1990b, p. 399, Fig. 1. Lee, Ausich, and Kammer, 2005, p. 343. Miller et al., 2008, p. 262, Fig. 12.10, no. 9. Stinchcomb, 2008, p. 131, Fig. 07-074.
- Actinocrinus pyriformis* Shumard, 1855, p. 192, Pl. A, figs. 6a-6b. Shumard, 1860, Pl. 2, fig. 8. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 332. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 721.
- Actinocrinus (Batocrinus) pyriformis* Shumard, 1855. Steinmann and Döderlein, 1890, p. 153, Figs. 156, no. A; 157, no. A. Lahusen, 1895, p. 140, Fig. 191.

- Batocrinus pyriformis* (Shumard, 1855). Meek and Worthen, 1873, p. 375, Pl. 5, fig. 5. Meek, 1874, p. 192. Zittel, 1880, p. 370, Fig. 258. Miller, S. A., 1889, p. 228. Neumayr, 1889, p. 464, Fig. 134. Keyes, 1890a, Pl. 8, fig. 1. Keyes, 1894a, p. 182, Pl. 23, fig. 7. Zittel, 1895, p. 130, Fig. 247. Weller, S., 1898c, p. 332. Wachsmuth in Zittel, 1900, p. 142, Fig. 244. Steinmann, 1903, p. 177, Fig. 246, no. A. Steinmann, 1907, p. 199, Fig. 281, no. A. Bassler and Moodey, 1943, p. 721.
- Batocrinus (Lobocrinus) pyriformis* Shumard, 1855. Steinmann, 1903, p. 168, Fig. 232, nos. A-D. Steinmann, 1907, p. 189, Fig. 267, no. A. Schmidt, H., 1929, p. 82, Fig. 20, nos. A-B.
- Lobocrinus pyriformis* (Shumard, 1855). Wachsmuth and Springer, 1897, p. 437, Pl. 31, figs. 3a-3e. Weller, S., 1898c, p. 332. Grabau and Shimer, 1910, p. 544, Fig. 1873. Bassler and Moodey, 1943, p. 721. Wolf, 1979, p. 151, Fig. 2, no. i. Webster, 1986, p. 190.
- Actinocrinus pyriformis* var. *rudis* Meek and Worthen, 1861, p. 131. Shumard, 1868, p. 347. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 332. Bassler and Moodey, 1943, p. 721.
- Actinocrinus (Uperocrinus) pistilliformis* Meek and Worthen, 1865b p. 153. Bassler and Moodey, 1943, p. 721.
- Actinocrinus pistilliformis* Meek and Worthen, 1865b, p. 153. Miller, S. A., 1889, p. 219. Weller, S., 1898c, p. 332.
- Batocrinus pistilliformis* (Meek and Worthen, 1865). Miller, S. A., 1889, p. 228. Rowley, R. R., 1889, p. 276. Weller, 1898c, p. 332.
- Mississippian, Tournaisian – Viséan (Kinderhookian – Osagean), Chouteau Limestone; upper part of Burlington Limestone; Borden Formation, Nada Member; Fern Glen Limestone; St. Joe Formation; Weaubleau Breccia; Lake Valley Formation. United States, Missouri, Iowa, Illinois, Kentucky, Oklahoma, New Mexico, Arkansas
- Uperocrinus repositus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.
- Batocrinus repositus* Miller and Gurley, 1896b, p. 45, Pl. 2, figs. 18-20. Miller, S. A., 1897, p. 738. Weller, S., 1898c, p. 132. Bassler and Moodey, 1943, p. 330. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Ausich and Kammer, 2010a, p. 46.
- Mississippian, Viséan (Osagean), Burlington Formation. United States, Iowa
- Uperocrinus robustus* (Wachsmuth and Springer, 1897). Bassler and Moodey, 1943, p. 721. Ausich, 2009a, p. 486, suppl. p. 47.
- Lobocrinus robustus* Wachsmuth and Springer, 1897, p. 436, Pl. 30, figs. 8a-8b. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 333. Bassler and Moodey, 1943, p. 721.
- Actinocrinites holbrooki* (Troost, ms), Wood, 1909, p. 76. Bassler and Moodey, 1943, p. 721.
- Batocrinus robustus* (Wachsmuth and Springer, 1897). Miller, S. A., 1897, p. 738. Mississippian, Viséan (Osagean), Ft. Payne Formation. United States, Tennessee

*Uperocrinus selectus* (Miller and Gurley, 1896). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus selectus* Miller and Gurley, 1896b, p. 37, Pl. 2, figs. 3-5. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moody, 1943, p. 331. Lane, N. G., 1963a, p. 697. Webster, 1973, p. 31. Ausich and Kammer, 2010a, p. 46.  
 Mississippian, Viséan (Osagean), Burlington Formation. United States, Illinois

*Uperocrinus senex* (Miller and Gurley, 1897). Ausich and Kammer, 2010a, p. 46.  
*Batocrinus senex* Miller and Gurley, 1897, p. 21, Pl. 1, figs. 12-14. Miller, S. A., 1897, p. 739. Weller, S., 1898c, p. 134. Bassler and Moody, 1943, p. 331. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Missouri

*Uperocrinus spiniferus* (Wachsmuth and Springer, 1897) = *Uperocrinus marinus*

*Uperocrinus zhaoae* Lane et al., 1997 = *Actinocrinites zhaoae*

*Uperocrinus* spp.

Good, 1968, Pl. 1, fig. 11. Webster, 1977, p. 175.

Mississippian, Viséan (Osagean), Burlington Limestone: United States, Iowa  
 Kues, 1982, Unnum. Fig. p. 108, no. L. Webster, 1988, p. 164.

Mississippian. no locality data

Greb et al., 2008, p. 17, Fig. 3, nos. a-b.

Mississippian, Viséan (late Osagean), Fort Payne Formation. United States, Kentucky

*Uperocrinus?* sp. Miller et al., 2008, p. 262, Fig. 12.10, no. 18.

Mississippian, Viséan (Osagean), Weaubleau Breccia. United States, Missouri

**UREOCRINUS** Wright and Strimple, 1945. \**Poteriocrinus bockschii* Geinitz, 1846.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Cromyocrinidae

Wright and Strimple, 1945, p. 225. Arendt and Hecker, 1964, p. 90. Strimple and Watkins, 1969, p. 161. Strimple and Moore, 1971a, p. 24. Webster, 1973, p. 264. Webster, 1977, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 457. Arendt, 1981, p. 23. Webster, 1981, p. 1196, Fig. 1. Webster, 1986, p. 316. Webster, 1988, p. 164. Lane and Sevastopulo, 1990, p. 336. Webster, 1993, p. 122. Webster et al., 2004, p. 55.

Named, currently recognized species based on cups or crowns: 4 species.

Mississippian, 2 Viséan, 2 Serpukhovian

Mississippian, Viséan. United Kingdom, Scotland; Germany

Mississippian, Serpukhovian, E1. Algeria

Middle Carboniferous, Bashkirian? Namurian. Russia

\**Ureocrinus bockschii* (Geinitz, 1846). Wright and Strimple, 1945, p. 225, Pl. 9, figs. 1-5, 7, 10. Wright, J., 1948, p. 50, Pl. 5, fig. 5. Wright, J., 1952a, p. 112, Pls. 19, figs. 1-4, 8-9; 34, figs. 1-43; Figs. 49-60. Wright, J., 1952b, p. 325, Pl. 13, fig. 6.

Ubaghs, 1953, p. 677, Fig. 16, nos. a-c. Yakovlev, 1957, p. 12, Fig. 2, nos. a-b. Yakovlev, 1964b, p. 66, Fig. 91, nos. a-v. Webster, 1973, p. 264. Ubaghs *in* Moore and Teichert, 1978, p. T126, Fig. 97, nos. 1-6. Moore and Strimple *in* Moore and Teichert, 1978, p. T701, Fig. 461, no. 2. Arendt, 1981, p. 24, Pl. 2, fig.

2; Figs. 5, nos. m-t; 28, nos. a-v. Webster, 1986, p. 317. Webster, 1988, p. 164. *Poteroicrinus bockschii* Geinitz, 1846, p. 549, Pl. 23, fig. 13. Bassler and Moodey, 1943, p. 718. Wright and Strimple, 1945, p. 225. Webster, 1973, p. 264.

*Ulocrinus bockshii* (Geinitz, 1846). Schmidt, W. E., 1930, p. 58, Pl. 3, figs. 17-18.

Wright, J., 1938, p. 344, Pl. 14, figs. 1, 3-6. Wright, J., 1939, p. 28, Pl. 6, figs. 2, 7-8; Figs. 19-20. Bassler and Moodey, 1943, p. 718.

*Poteroicrinus nuciformis* M'Coy, 1849, p. 245. M'Coy, 1854, p. 117, Pl. 3-D, fig. 4. Bassler and Moodey, 1943, p. 377.

*Ulocrinus nuciformis* (M'Coy, 1849). Wright and Strimple, 1945, p. 227. Webster, 1973, p. 264.

*Cromyocrinus nuciformis* (M'Coy, 1849). Strimple, 1961g, p. 66. Webster, 1973, p. 264.

*Ulocrinus globularis* Elongate Form Bather, 1920c, p. 216.

Mississippian, Viséan, Lower Limestone Group, Calciferous Sandstone Series. United Kingdom, Scotland; Germany

*Ureocrinus commus* Webster et al., 2004, p. 55, Pl. 15, figs. 9-13.

Mississippian, Serpukhovian, E1, El Guelmouna Formation, El Guelmouna Member. Algeria

*Ureocrinus doliolus* (Wright, 1936) = *Tubulusocrinus doliolus*

*Ureocrinus globularis* (de Koninck); Yakovlev, 1956 = *Ureocrinus globulus*

*Ureocrinus globulus* (de Koninck, 1858). *Nomen correctum*

*Hydreionocrinus? globulus* de Koninck, 1858a, p. 101, Pl. 2, figs. 1-4. de Koninck, 1858b, p. 180, Pl. 4, figs. 1-4; Unnum. Fig. p. 181.

*Hydreionocrinus? globularis* de Koninck, 1858. Dujardin and Hupé, 1862, p. 218 (sic). Bassler and Moodey, 1943, p. 718.

*Ulocrinus globularis* (de Koninck, 1858). Bather, 1916a, p. 74, Fig. 14 (sic). Bather, 1917a, p. 207, Fig. 3. Wright, 1927, p. 356, Figs. 1-57a. Bassler and Moodey, 1943, p. 718. Yakovlev, 1949b, p. 897, Figs. 1, no. 1; 2. Webster, 1973, p. 264.

*Ureocrinus globularis* (de Koninck, 1858). Yakovlev, 1956a, p. 93, Fig. 37, nos. 1, 5 (sic). Yakovlev, 1958, p. 79, Fig. 37, nos. 1, 5. Yakovlev, 1961, p. 418, Pl. 3, figs. a-f. Yakovlev, 1964a, p. 86, Fig. 39, nos. 1, 5. Webster, 1973, p. 264.

Mississippian. Russia, Donetz Basin

Mississippian, Viséan. United Kingdom, Scotland

*Ureocrinus rozhnovi* Arendt, 1981, p. 25, Pl. 3, fig. 1. Webster, 1986, p. ??????.

Arendt, 2002, p. 127, Pl. 7, figs.

Mississippian, late Serpukhovian, lower part of Protvino Horizon. Russia, Moscow Basin



*Ureocrinus?* sp. Wright, 1952a, p. 117, Pl. 12, figs. 7-8. Webster, 1973, p. 264.  
Mississippian Viséan. United Kingdom, Scotland

**URNOCRINUS** Ivanov, 1926. *Nomen nudum*

Ivanov, 1926, p. 176. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 721.  
Carboniferous. Russia

*Urnocrinus alternans* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler, 1938, p. 190.  
Bassler and Moodey, 1943, p. 721.  
Carboniferous. Russia

*Urnocrinus parvus* Ivanov, 1926, p. 176 (*nomen nudum*). Bassler and Moodey, 1943,  
p. 721.  
Carboniferous. Russia

**URSUCRINUS** Ausich and Copper, 2010. *\*Ursucrinus stellatus* Ausich and Copper,  
2010.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae  
Ausich and Copper, 2010, p. 12.

Named, currently recognized species based on cups or crowns: 1 Ordovician,  
Hirnantian species  
Ordovician, Hirnantian. Canada, Quebec

*\*Ursucrinus stellatus* Ausich and Copper, 2010, p. 13, Pl. 2, fig. 5, Fig. 5.4.  
Ordovician, Hirnantian, Ellis Bay Formation, Prinista Member. Canada, Quebec,  
Anticosti Island

**URUSHICRINUS ??????**

*Urushicrinus parvulus* Kurilenko, 2000, p. 121, Pl. 1, figs. 1-5.  
Devonian, Givetian – Frasnian, Yakovlev Formation. Russia, Eastern Transbaikal

U-shaped crinoid brachial plate Sprinkle, 1971, p. D94, Fig. 1, nos. 75-76. Webster,  
1977, p. 183.  
Ordovician, Darrivillian, Antelope Valley Limestone. United States, Nevada

**UTHAROCCRINUS** Moore and Plummer, 1938. *\*Delocrinus pentanodus* Mather, 1915.  
Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Pirasocrinidae

Moore and Plummer, 1938, p. 285. Bassler, 1938, p. 190. Moore, 1939c, p. 236.  
Bassler and Moodey, 1943, p. 721. Moore and Laudon, 1943b, p. 58. Moore and  
Laudon, 1944, p. 163. Knapp, 1969, p. 370, Fig. 2. Strimple and Watkins, 1969,  
p. 203. Strimple and Moore, 1971a, p. 19. Moore and Strimple, 1973, p. 71.  
Webster, 1973, p. 264; . Webster, 1977, p. 175. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T735. Pabian and Strimple, 1985, p. 58. Webster, 1986,  
p.

317. Webster, 1988, p. 165.  
Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,

Morrowan species  
Pennsylvanian, Morrowan. United States

*Utharocrinus fabulosus* Strimple, 1950 = *Perimentocrinus fabulosus* = *Triceracrinus fabulosus*

*Utharocrinus facilis* Strimple, 1950 = *Perimestocrinus facilis* = *Separocrinus facilis* = *Triceracrinus facilis*

*Utharocrinus granulatus* Strimple, 1939 = *Perimestocrinus granulatus*

*Utharocrinus habitus* Strimple, 1950 = *Perimestocrinus habitus* = *Triceracrinus habitus*

*Utharocrinus oreadensis* Moore, 1939 = *Perimestocrinus oreadensis* = *Triceracrinus oreadensis*

\**Utharocrinus pentanodus* (Mather, 1915). Moore and Plummer, 1938, p. 286; Fig. 31. Bassler and Moodey, 1943, p. 721. Moore and Laudon, 1944, p. 163, Pls. 62, fig. 13; 64, fig. 18. Knapp, 1969, p. 370, Fig. 27. Moore and Strimple, 1973, p. 71, Pls. 19, figs. 5a-5d; 20, figs. 1a-1d, 2a-2d. Webster, 1973, p. 265. Webster, 1977, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T735, Fig. 486, nos. 1a-1d. Webster, 1986, p. 317.

*Delocrinus pentanodus* Mather, 1915, p. 106, Pl. 3, figs. 8-8b; Fig. 3. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 721.  
Pennsylvanian, Morrowan, Morrow Formation. United States, Oklahoma

*Utharocrinus quinquacutus* Moore, 1939 = *Perimestocrinus quinquacutus* = *Triceracrinus quinquacutus*

*Utharocrinus spinosus* Strimple, 1950 = *Perimestocrinus spinosus* = *Triceracrinus spinosus*

*Utharocrinus topekensis* Moore, 1939 = *Perimestocrinus topekensis* = *Triceracrinus topekensis*

*Utharocrinus* sp. Lane and Webster, 1966, p. 52, Pl. 3, fig. 6. Webster, 1973, p. 265.  
Permian, middle Wolfcampian, upper part of Bird Spring Formation. United States, Nevada

**VADAROCRINUS** Prokop, 1983. \**V. vassa* Prokop, 1983.

Sbc. Cladida, O. Cyathocrinida, Spf. Gasterocomoidea, F. Petalocrinidae  
Prokop, 1983, p. 187. Webster, 1988, p. 165. Webster, 1993, p. 122. Prokop and Petr, 2010, p. 149. Prokop and Petr, 2012, p. 14.1.

Named, currently recognized species based on cups or crowns: 1 Devonian, Pragian species

Devonian, Pragian. Czech Republic, Bohemia

\**Vadarocrinus vassa* Prokop, 1983, p. 187, Pl. 1, figs. 1-3; Unnum. Fig. p. 188. Prokop and Petr, 1990, p. 50, Pl. 8, figs. 1-2. Webster, 1988, p. 165. Webster, 1993, p. 122. Prokop and Petr, 2010, p. 149, Figs. 2, 4, nos. 1-8. Prokop and Petr, 2012, p. 148, Pl. 1, figs. 1-4. Fig. 1

Devonian, Pragian, Koneprusy Limestone; Lodenice Limestone. Czech Republic, Bohemia

*Vadarocrinus* cf. *vassa* Prokop, 1984. Prokop and Petr, 2012, p. 148, Fig. 2.  
Devonian, Pragian, Lodenice Limestone. Czechoslovakia

**VASOCRINUS** Lyon, 1857. \**V. valens* Lyon, 1857.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae  
Lyon, 1857, p. 485. Miller, S. A., 1889, p. 287. Zittel, 1895, p. 136. Kirk, 1929a, p. 1. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 722. Moore and Laudon, 1943b, p. 51. Moore and Laudon, 1944, p. 154, Pl. 52, fig. 23. Ubaghs, 1953, p. 750. Arendt and Hecker, 1964, p. 85. Webster, 1973, p. 265. Lane and Moore in Moore and Teichert, 1978, p. T585. Webster, 1986, p. 317. Webster, 1993, p. 122. Hauser, 1997, p. 19, Fig. 5. Hauser, 2001, p. 98, Fig. 80. Hauser, 2005b, p. 1, Fig. 1. Hauser in Hauser and Landeta, 2007, p. 57, Fig. 4. Hauser, 2007, p. 43, Fig. 1. Hauser, 2008, p. 15, Fig. 13.

Named, currently recognized species based on cups or crowns: 18 Devonian species, 1 Lochkovian – Pragian, 6 Emsian, 1 Emsian - Eifelian, 1 Eifelian, 4 Eifelian – Givetian, 5 Givetian

Devonian, Emsian - Givetian. Europe, United States

*VASOCRINUS* Wachsmuth and Springer, 1880 (*non* Lyon, 1857) = **PELLECRINUS**

*Vasocrinus ahbachensis* Hauser, 2005b, p. 2, Pl. 1, figs. 7a-7c; Fig. 2, nos. a-b.  
Hauser,

2007, p. 44, Pl. 1, figs. 7a-7c; Fig. 2, nos. a, b. Hauser, 2008, p. 15, Pl. 1, fig. 8; Fig. 14.

?*Parisocrinus* sp. Hauser, 1997, Pl. 32, figs. 3-4. Hauser, 2007, p. 44.

Devonian, Eifelian - Givetian, Freilingen Formation, Ahbach Formation. Germany

*Vasocrinus alveatus* Schewtschenko, 1966. Hauser, 2007, p. 51, unnumbered fig.  
Devonian, Emsian, Pandzhrut Horizon. Tadzhikistan, Tien Shan Mountains

*Vasocrinus breimeri* Hauser in Hauser and Landeta, 2007, p. 57, Fig. 5, nos. a-c.  
Devonian, boundary beds Emsian-Eifelian, Santa Lucia Formation. Spain.

*Vasocrinus canaliculatus* (Jaekel, 1895). Kirk, 1929a, p. 8. Bassler and Moodey, 1943, p. 722. Hauser, 2007, p. 44, Fig. 3.

*Parisocrinus canaliculatus* Jaekel, 1895a, p. 68, Fig. 18. Schmidt, W. E., 1942, p. 220. Bassler and Moodey, 1943, p. 722. Webster, 1973, p. 197.

Devonian, Emsian?, Coblenzian. Germany

- Vasocrinus conicus* Hauser in Hauser and Landeta, 2007, p. 60, Fig. 13. Hauser, 2007, p. 45, Pl. 1, figs. 6, 9a-9b; Fig. 4. Hauser, 2008, p. 15, Pls. 2, fig. 6; 3, fig. 4; 6, fig. 4; Fig. 15.  
Devonian, Givetian, Portilla Formation; Eifelian, Givetian, Ahbach Formation. Spain, Germany
- Vasocrinus elongatus* (Hauser, 1997). Hauser, 2005b, p. 5, Pl. 1, figs. 11-12; Fig. 5 (misspelled as *V. elongates*). Hauser, 2007, p. 45, Pl. 1, figs. 11-12; Fig. 5; p. 71, fig. 6.  
*Poteriocrinites elongatus* Hauser, 1997. Hauser, 2007, p. 45.  
Devonian, Eifelian. Germany
- Vasocrinus fernandolandeta* Hauser in Hauser and Landeta, 2007 = *Vasocrinus Fernandolandetai*
- Vasocrinus fernandolandetai* Hauser in Hauser and Landeta, 2007. *nomem correctum* *Vasocrinus fernandolandeta* Hauser in Hauser and Landeta, 2007, p. 58, Fig. 8.  
Devonian, middle Emsian, Auión Formation. Spain
- Vasocrinus hexadactylus* (Lyon and Casseday, 1860) = *Pellacrinus hexadactylus*
- Vasocrinus hustleyiensis* Hauser, 1997, p. 19, Pl. 31, figs. 1-3. Hauser, 2007, p. 46, Pl. 1, figs. 1a-1c; Fig. 6.  
Devonian, Givetian, Lough Formation, Hustley Member. Germany
- Vasocrinus laevis* Le Menn, 1987a, p. 224, Pl. 1, fig. 6; Fig. 4. Webster, 1993, p. 122. Hauser, 2007, p. 54, 3 unnumbered figs.  
Devonian, late Lochkovian - Pragian, Saint-Cenere Formation. France
- Vasocrinus lyoni* (Hall, 1861) = *Pellecrinus hexadactylus*
- Vasocrinus macropleurus* Weller, 1909 = *Poteriocrinus macropleurus* = *Poteriocrinites macropleurus* = *Springericrinus macropleurus*
- Vasocrinus mirificus* Hauser, 2008, p. 16, Pl. 131, fig. 6; Fig. 16. nomen nudum, no description or diagnosis. (Probably a *V. ahbachensis*, GDW)  
Devonian, Givetian, Ahbach Formation. Germany
- Vasocrinus rommersheimensis* Hauser, 2007, p. 47, Pl. 1, figs. 5a-5b; Fig. 7. Hauser, 2008, p. 16, Fig. 17.  
Devonian, Eifelian, Givetian, Ahbach Formation. Germany
- Vasocrinus sculptus* Lyon, 1857, p. 486, Pl. 4, figs. 3b-3e. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 287. Kirk, 1929a, p. 3, Pls. 1, figs. 1-3, 10; 2, figs. 5-10. Bassler and Moodey, 1943, p. 722. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 3. Webster, 1973, p. 265. Hauser in Hauser and Landeta, 2007, p. 59, Fig. 10, nos. a-b. Hauser, 2007, Fig. 8, nos. a-b.  
*Cyathocrinus sculptus* (Lyon, 1857). Shumard, 1868, p. 364.

Devonian, late Givetian, Sellersburg Limestone. United States, Kentucky, Ohio

*Vasocrinus* sp. cf. *V. sculptus* Lyon, 1857. Breimer, 1962a, p. 151, Pl. 14, figs. 15-17; Fig. 35. Webster, 1973, p. 265.

Devonian, Spain

*Vasocrinus stellaris* (Schultze, 1866). Kirk, 1929a, p. 8. Bassler and Moodey, 1943, p. 722. Breimer, 1962a, p. 149, Pl. 14, figs. 11-14; Fig. 34. Webster, 1973, p. 265. Hauser, 1997, p. 21. Hauser, 2001, p. 25, 98, Pl. 13, figs. 1-1a; Figs. 81, nos. 2-2a; 82. Hauser in Hauser and Landeta, 2007, p. 60, fig. 12. Hauser, 2007, p. 48, Pl. 1, figs. 1a-2b, 8a-8b; Figs. 9, 11.

*Poteriocrinus stellaris* Schultze, 1866, p. 49 (adv. pub.). Schultze, 1867, p. 161, Pl. 5, fig. 2. Beyer, 1896, p. 89, Pl. 3, fig. 71. Bassler and Moodey, 1943, p. 722.

*Parisocrinus stellaris* (Schultze, 1866). Jaekel, 1895a, p. 67, Fig. 17. Bassler and Moodey, 1943, p. 722.

Devonian, Eifelian - Givetian, Lough Formation, Hustley Member. Germany, Spain

*Vasocrinus sulcosutura* Wanner, 1942. Hauser, 1997, p. 22, Pl. 32, figs. 1-2. Hauser in Hauser and Landeta, 2007, p. 76, Pl. 2, fig. 8. Hauser, 2007, p. 49, Pl. 1, figs. 3-3c, 4; Figs. 12-13.

*Vasocrinus? sulcosutura* Wanner, 1942a, p. 33, Pl. 1, figs. 4a-4c. Webster, 1973, p. 265. Hauser, 1997, p. 22, Pl. 32, figs. 1-2.

Devonian, Givetian, Lough Formation. Germany

*Vasocrinus? sulcosutura* Wanner, 1942 = *Vasocrinus sulcosutura*

*Vasocrinus tuberculifer* Schewtschenko, 1966. Hauser, 2007, p. 34, unnumbered fig. Devonian, Emsian, Pandzhrut Horizon. Tadzhastan, Tien Shan Mountains

*Vasocrinus turbinatus* Kirk, 1929a, p. 13, Pl. 2, figs. 1-4. Bassler and Moodey, 1943, p. 722. Breimer, 1962a, p. 148, Pl. 14, figs. 8-10. Webster, 1973, p. 265.

Devonian, Emsian, Onondaga Group, Jeffersonville Limestone. United States, Kentucky; Spain

*Vasocrinus* aff. *turbinatus* Kirk, 1928. Hauser in Hauser and Landeta, 2007, p. 60, Fig. 11. Hauser, 2007, p. 50, Fig. 14, nos. a-c.

Devonian, late Givetian, Jeffersonville Limestone; Candás Formation. United States, Kentucky; Spain

\**Vasocrinus valens* Lyon, 1857, p. 485, Pl. 4, figs. 3-3a. Shumard, 1868, p. 364. Miller, S. A., 1889, p. 287. Kirk, 1929a, p. 2, Pl. 1, figs. 4-6, 10. Bassler, 1938, p. 190. Bassler and Moodey, 1943, p. 722. Moore and Laudon, 1943b, p. 131, Pl. 2, fig. 13. Moore and Laudon, 1944, p. 154, Pl. 57, fig. 2. Breimer, 1962a, p. 147, Pl. 14, figs. 5-7. Webster, 1973, p. 265. Lane and Moore in Moore and Teichert, 1978, p. T585, Fig. 375, no. 2. Webster, 1986, p. 317. Hauser in Hauser and Landeta, 2007, p. 58, Fig. 7, nos. a-c. Hauser, 2007, p. 50, Fig. 15, nos. a-c. Webster and Maples, 2008, p. 201, Fig. 10.1, no. 3. Hauser, 2008, p. 15, Fig. 12.

*Cyathocrinus valens* (Lyon, 1857). Shumard, 1868, p. 364.

Devonian, Emsian, Onondaga Group, Jeffersonville Limestone. United States, Kentucky

*Vasocrinus weinbergensis* Hauser, 2007, p. 51, Pl. 1, fig. 10; Figs. 16-17. Hauser, 2008, p. 16, Pl. 1, fig. 9; Fig. 18.

*Poteriocrinus dilatatus* Schultze, 1866, p. 161, Pl. 5, no. 5e only. Hauser, 2007, p. 51.

*Costalocrinus dilatatus* (Schultze, 1866). Hauser, 2007, p. 51.  
Devonian, Eifelian - Givetian, Ahbach Formation. Germany

*Vasocrinus* sp. Hauser, 1997, Pl. 31, figs. 4-6.  
Devonian, Givetian?. Germany

*Vasocrinus* sp.? Hauser, 2001, p. 143, Figs. 123. (Originally figured by Schultze, 1866, as *Poteriocrinus dilatatus* = *Costalocrinus dilatatus*.)  
Devonian, Eifelian. Germany

**VASOCRINUS** of authors (*non* Lyon, 1857) = **PELLECRINUS**

**VERTIGO CRINUS** Knapp, 1969. \**Perimestocrinus subtilus* Moore, 1939.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F. Pirasocrinidae

Knapp, 1969, p. 377. Webster, 1977, p. 175. Moore and Strimple *in* Moore and Teichert, 1978, p. T735. Pabian and Strimple, 1980a, p. 182. Pabian and Strimple, 1985, p. 54. Webster, 1986, p. 317. Webster, 1988, p. 165. Pabian and Rushlau, 2002, p. 27.

Named, currently recognized species based on cups or crowns: 5 Pennsylvanian species, 1 Desmoinesian, 3 Missourian – Virgilian, 1 Virgilian  
Middle - Late Pennsylvanian, Desmoinesian - Virgilian. United States

*Vertigocrinus calyculus* (Moore and Plummer, 1940). Knapp, 1969, p. 377. Webster, 1977, p. 175. Pabian and Rushlau, 2002, p. 27.

*Perimestocrinus calyculus* Moore and Plummer, 1940, p. 207, Pl. 10, fig. 2; Fig. 43. Bassler and Moodey, 1943, p. 602. Moore and Laudon, 1944, p. 161, Pl. 64, fig. 2. Knapp, 1969, p. 377 (Typographical error as *Plaxocrinus clayculus*). Webster, 1977, p. 176.

Pennsylvanian, Desmoinesian, Mineral Wells Shale. United States, Texas

*Vertigocrinus gloukosensis* (Strimple, 1951). Knapp, 1969, p. 377. Webster, 1977, p. 176. Pabian and Strimple, 1980b, p. 17, Fig. 2, no. E. Pabian and Strimple, 1985,

p. 56, Fig. 22, nos. g-i. Webster, 1986, p. 317. Webster, 1988, p. 165. Pabian and Rushlau, 2002, p. 27. Webster and Maples, 2006, p. 194, Fig. 5, nos. A-B  
*Plaxocrinus gloukosensis* Strimple, 1951b, p. 374, Pl. 57, figs. 1-6. Knapp, 1969, p. 377. Webster, 1973, p. 216. Pabian and Strimple, 1974a, p. 283, Pl. 36, figs. 4-5. Pabian and Strimple, 1974b, p. 29, Figs. 11, nos. 8-9; 12, nos. 6-7; p. 38, Fig. 17, nos. 3-5. Webster, 1977, p. 176. Webster, 1986, p. 257.

Pennsylvanian, Missourian - Virgilian, Coal Creek Limestone, Plattsburg Formation, Merriam Limestone Member, Haskell Limestone; Kanwaka Formation, Stull Shale Member. United States, Kansas, Nebraska, Iowa

*Vertigocrinus parilis* (Moore and Plummer, 1940). Knapp, 1969, p. 377. Webster, 1977, p. 176. Pabian and Strimple, 1980a, p. 182, Fig. 7, no. 0. Webster, 1986, p. 317. Pabian, 1992, p. 2, Unnum. Fig. p. 4. Pabian and Strimple, 1993, p. 33, Fig. 13, nos. i-j. Pabian and Rushlau, 2002, p. 27, Fig. 8, nos. 8-9.

*Plaxocrinus parilis* Moore and Plummer, 1940, p. 199, Pl. 9, figs. 5-6; Fig. 39. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 5. Pabian and Strimple, 1974a, p. 283, Pl. 34, figs. 1-4. Knapp, 1969, p. 377. Webster, 1977, p. 176. Webster, 1986, p. 257.

*Plaxocrinus parillis* Moore and Plummer, 1940. Webster, 1973, p. 217. Pennsylvanian, Missourian, ?Virgilian, Graford Formation, Wyandotte Limestone; Plattsburg Formation, Spring Hill Limestone Member; Dennis Formation, Winterset Limestone; Argentine Limestone; South Bend Limestone. United States, Texas, Kansas, Nebraska, Iowa, Nebraska, Kansas

*Vertigocrinus politus* (Moore, 1939). Knapp, 1969, p. 377. Webster, 1977, p. 176. Pabian and Rushlau, 2002, p. 27.

*Plaxocrinus politus* Moore, 1939c, p. 223, Pl. 8, figs. 5a-5c; Figs. 10, nos. a-b; 15, no. c; 16, nos. a, c. Bassler and Moodey, 1943, p. 634. Moore and Laudon, 1944, p. 163, Pl. 63, fig. 1. Strimple, 1961g, p. 40. Webster, 1973, p. 244. Moore and Strimple *in* Moore and Teichert, 1978, p. T731, Fig. 480, nos. 1i-1k. Knapp, 1969, p. 377. Webster, 1977, p. 176. Webster, 1986, p. 257.

*Stenopeocrinus politus* (Moore, 1939). Strimple, 1961g, p. 40. Webster, 1973, p. 244.

Pennsylvanian, Missourian - Virgilian, Nelagoney Formation, Barnsdall Formation; Grayford Formation, Wyandotte Limestone. United States, Oklahoma, Missouri

\**Vertigocrinus subtilis* (Moore, 1939). Knapp, 1969, p. 377, Fig. 38. Webster, 1977, p. 176. Moore and Strimple *in* Moore and Teichert, 1978, p. T735, Fig. 485, no. 2. Webster, 1986, p. 317. Pabian and Rushlau, 2002, p. 27.

*Perimestocrinus subtilis* Moore, 1939c, p. 235, Pl. 7, figs. 4a-4c; Fig. 17, nos. a-c. Bassler and Moodey, 1943, p. 603. Knapp, 1969, p. 377. Webster, 1977, p. 176.

Pennsylvanian, Virgilian, Brownville Limestone. United States, Oklahoma

**VIRUCRINUS** Rozhnov, 1990. \**Pentagonocyclicus kegelensis* Yeltyschewa, 1966.

Sbc. Disparida, O. Eustenocrinida, F. Eustenocrinidae

Rozhnov, 1990, p. 68. Webster, 1993, p. 122. Ausich, 1998b, p. 36. Rozhnov, 2002, p. S540, Figs. 13, 28. (diagramatic)

Named, currently recognized species based on cups or crowns: 2 Ordovician, Katian species

Ordovician, Katian. Estonia

*Virucrinus hintsae* Rozhnov, 1990, p. 71, Pl. 1, fig. 11; Fig. 1, no. zh. Webster, 1993, p. 122.

Ordovician, Katian, upper part of Keila Horizon. Estonia

\**Virucrinus kegelensis* (Yeltyschewa, 1966). Rozhnov, 1990, p. 69, Pl. 1, figs. 1-10; Figs. 1, nos. a-e; 2. Webster, 1993, p. 122.

ø*Pentagonocyclicus kegelensis* Yeltyschewa, 1966, p. 59, Pl. 3, figs. 14-23. Rozhnov, 1990, p. 69. Webster, 1993, p. 122.

*Babanocrinus kegelensis* (Yeltyschewa, 1966). Hynda, 1986, p. 87, Pl. 13, figs. 12-14; Fig. 32. Stukalina, 1986, p. 64, Pl. 13, figs. 16-18. Stukalina, 1988c, p. 61, Pl. 8, figs. 11-12. Rozhnov, 1990, p. 69. Webster, 1993, p. 122.

Ordovician, Katian, Keila Horizon. Estonia

**VISOCRINUS** Ausich, Gil Cid, and Domínguez Alonso, 2002. \**Visocrinus castelli* Ausich, Gil Cid, and Alonso, 2002, OD.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae Ausich, Gil Cid, and Domínguez Alonso, 2002, p. 981.

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species

Ordovician, Katian (Ashgillian). Spain

\**Visocrinus castelli* Ausich, Gil Cid, and Domínguez Alonso, 2002, p. 981, Figs. 5.3, 6. Ordovician, Katian (Ashgillian), Bancos Mixtos Formation. Spain

**VLETAVICRINUS** Waagen and Jahn, 1899 = **BOHEMICOCRINUS**

*Vletavicrinus haueri* Waagen and Jahn, 1899 = *Bohemiacrinus haueri* = *Bohemiacrinus pulverens*

**VOSEKOCRINUS** Jaekel, 1918. \**V. granulatus* Jaekel, 1918.

Sbc. Disparida, O. Maenillicrinida, F. Maenillicrinidae

Jaekel, 1918, p. 56. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 722.

Moore and Laudon, 1943b, p. 52. Webster, 1973, p. 265. Lane *in* Moore and Teichert, 1978, p. T563. Webster, 1986, p. 318. Broadhead, 1987, p. 177.

Rozhnov, 1988, p. 67. Rozhnov, 1989, p. 62. Webster, 1993, p. 123. Ausich, 1998b, p. 36 (sic).

Named, currently recognized species based on cups or crowns: 1 Ordovician, Darriwilian species

Ordovician, Darriwilian (early Llanvirnian). Czech Republic, Bohemia

\**Vosekocrinus granulatus* Jaekel, 1918, p. 546, Fig. 49. Bassler, 1938, p. 191.

Bassler and Moodey, 1943, p. 722. Lane *in* Moore and Teichert, 1978, p. T563, Fig. 359, no. 1. Webster, 1986, p. 318. Donovan, 1988c, p. 237. Webster, 1993, p. 122.

Ordovician, Darriwilian (early Llanvirnian), Sarka Formation. Czech Republic, Bohemia

**WACHSMUTHICRINUS** Springer, 1902. \**Forbesiocrinus thiemei* Hall, 1861.

Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F. Dactylocrinidae



Springer, 1902, p. 95. Springer, 1906, p. 519. Springer *in* Zittel, 1913, p. 205. Springer, 1920a, p. 261. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 723. Moore and Laudon, 1943b, p. 74, Fig. 10. Moore and Laudon, 1944, p. 181, Pl. 67, fig. 4. Moore, 1950, p. 37, Fig. 40. Ubaghs, 1953, p. 755. Arendt and Hecker, 1964, p. 93. Strimple and Moore, 1971a, p. 39. Webster, 1973, p. 265. Webster, 1977, p. 176. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 506, no. 9c; 508, no. 1j; 509, no. 4c. Webster, 1986, p. 318. Webster and Lane, 1987, p. 48. Webster, 1988, p. 165. Lane and Sevastopulo, 1990, p. 334. Webster, 1993, p. 123.

Named, currently recognized species based on cups or crowns: 8 species. 1

Devonian, Frasnian, 7 Mississippian, 1 Tournaisian – Viséan, 6 Viséan

Devonian, Frasnian. Russia

Mississippian, Viséan. United Kingdom, Scotland

Mississippian, Viséan (Osagean). United States

*Wachsmuthicrinus bernhardinae* Springer, 1920a, p. 328, Pl. 44, figs. 6-7. Bassler and Moodey, 1943, p. 723. Webster and Lane, 1987, p. 49. Webster, 1993, p. 123.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Wachsmuthicrinus corrugatus* Webster and Lane, 1987, p. 49, Fig. 8, nos. 4-5, 11-12. Webster, 1993, p. 123.

Mississippian, Viséan (Osagean), Anchor Limestone. United States, Nevada

*Wachsmuthicrinus dubjanskii* Yakovlev, 1956b, p. 93, Pl. 1, figs. 1-2. Arendt and Hecker, 1964, p. 93, Pl. 14, fig. 2. Webster, 1973, p. 265. Webster and Lane, 1987, p. 48. Webster, 1993, p. 123.

*Wachsmuthicrinus* sp. Yakovlev, 1946d, p. 263, 2 Unnum. Figs. Yakovlev, 1946e, p. 263, 2 Unnum. Figs.

Devonian, Frasnian, Semiluki Beds. Russia, Voronezh Region

*Wachsmuthicrinus iowaensis* Springer, 1920a, p. 328, Pl. 44, fig. 8. Bassler and Moodey, 1943, p. 723. Webster and Lane, 1987, p. 48. Webster, 1993, p. 123.

Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Wachsmuthicrinus ponderosus* Springer, 1920a, p. 328, Pl. 44, figs. 9a-9c. Bassler and Moodey, 1943, p. 723. Wright, J., 1954a, p. 166, Pl. 44, fig. 5. Webster, 1973, p. 266. Webster and Lane, 1987, p. 48. Webster, 1993, p. 123.

Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Wachsmuthicrinus spinifer* (Hall, 1861). Springer, 1920a, p. 328, Pl. 44, figs. 1-5.

Bassler and Moodey, 1943, p. 723. Moore *in* Moore and Teichert, 1978, p.

T807, Fig. 539, no. 2d. Signor and Brett, 1984, p. 238, Fig. 8, no. E. Webster,

1986, p. 318. Webster and Lane, 1987, p. 49. Webster, 1988, p. 165. Webster,

1993, p. 123.

*Forbesiocrinus spinifer* Hall, 1861a, p. 318. Miller, S. A., 1892a, p. 678. Bassler and Moodey, 1943, p. 723.

*Taxocrinus spinifer* (Hall, 1861). Miller, S. A., 1892a, p. 682.

*Forbesiocrinus spiniger* Hall, 1861b, p. 9. Hall, 1861c, p. 318.

*Taxocrinus thiemei* Meek and Worthen, 1873, p. 399, Pl. 4, fig. 1. Meek, 1874, p. 191. Grabau and Shimer, 1910, p. 565, Fig. 1903. Bassler and Moodey, 1943, p. 723.

Mississippian, Tournaisian - Viséan (Osagean), lower part of Burlington Limestone; Fern Glen Limestone; Lake Valley Limestone. United States, Iowa, Missouri, New Mexico

*Wachsmuthicrinus spinosulus* (Miller and Gurley, 1894). Springer, 1920a, p. 328, Pl. 43, figs. 11-16. Bassler and Moodey, 1943, p. 723. Webster, 1973, p. 266. Moore *in* Moore and Teichert, 1978, p. T807, Fig. 539, no. 2e. Kammer, 1984, p. 129, Fig. 4, nos. N-O. Webster, 1986, p. 318. Webster and Lane, 1987, p. 49. Webster, 1988, p. 165. Ausich and Meyer, 1992, p. 836, Figs. 3.3-3.4. Webster, 1993, p. 123.

*Ichthyocrinus spinosulus* Miller and Gurley, 1894b, p. 44, Pl. 5, fig. 4. Miller, S. A., 1897, p. 748. Weller, S., 1898c, p. 312. Bassler and Moodey, 1943, p. 723. Ausich and Meyer, 1992, p. 836.

*Wachsmuthicrinus spinulosus* (Miller and Gurley, 1894). Moore and Laudon, 1944, p. 181, Pl. 68, fig. 8.

*Parichthyocrinus spinulosus* (Miller and Gurley, 1894). Ausich and Meyer, 1992, p. 836 (sic).

Mississippian, Viséan (late Osagean), Borden Formation, New Providence Shale; Fort Payne Formation. United States, Indiana, Kentucky

*Wachsmuthicrinus spinulosus* (Miller and Gurley, 1894 = *Wachsmuthicrinus spinosulus*

\**Wachsmuthicrinus thiemei* (Hall, 1861). Springer, 1902, p. 96. Springer, 1906, p. 519, Pl. 6, fig. 19. Springer, 1920a, p. 328, Pl. 43, figs. 1-10. Bassler and Moodey, 1943, p. 723. Moore *in* Moore and Teichert, 1978, p. T806, Figs. 538, no. 1; 539, nos. 2a-2c. Webster, 1986, p. 318. Webster and Lane, 1987, p. 49. Webster, 1993, p. 123.

*Forbesiocrinus thiemei* Hall, 1861a, p. 317. Hall, 1861b, p. 8. Hall, 1861c, p. 317. Shumard, 1868, p. 398. Hall, 1872c, Pl. 7, fig. 4. Miller, S. A., 1889, p. 246. Weller, S., 1898c, p. 626. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 723.

*Taxocrinus thiemei* (Hall, 1861). Shumard, 1868, p. 398. Meek, 1874, p. 191. Miller, S. A., 1889, p. 286. Keyes, 1894a, p. 223, Pl. 30, fig. 5. Weller, S., 1898c, p. 626.

Bassler and Moodey, 1943, p. 723. Webster, 1988, p. 300.

*Taxocrinus thiemii* (Hall, 1861). Wolf, 1979, p. 150, Fig. 1, no. k (sic).

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

*Wachsmuthicrinus* sp. Yakovelev, 1946 = *Wachsmuthicrinus dubjanskii*

- WACRINUS** Jell and Jell, 1999. \**Wacrinus caseyensis* Jell and Jell, 1999.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Hexacrinitoidea, F. Hexacrinitidae  
 Jell and Jell, 1999, p. 209.  
 Named, currently recognized species based on cups or crowns: 2 Devonian, Famennian species  
 Devonian, late Famennian. Australia, Western Australia
- \**Wacrinus caseyensis* Jell and Jell, 1999, p. 209, Figs. 7-11.  
 Devonian, late Famennian, Virgin Hills Formation. Australia, Western Australia
- Wacrinus millardensis* Jell and Jell, 1999, p. 215, Figs. 12-13.  
 Devonian, late Famennian, Virgin Hills Formation. Australia, Western Australia
- WANNEROCRINUS** Marez Oyens, 1940. \**W. glans* Marez Oyens, 1940.  
 Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Periechocrinoidea, F. Paragaricocrinidae  
 Marez Oyens, 1940a, p. 294. Bassler and Moodey, 1943, p. 723. Moore and Laudon, 1943b, p. 92. Branson, C. C., 1948, p. 220. Sieverts-Doreck, 1951b, p. 105, Figs. 1; 2, no. b. Ubaghs, 1953, p. 739. Webster, 1973, p. 266. Ubaghs *in* Moore and Teichert, 1978, p. T450. Arendt, 1983d, p. 92. Webster, 1986, p. 318. Webster, 1988, p. 165.  
 Named, currently recognized species based on cups or crowns: 1 Permian species series uncertain  
 Permian, series uncertain. West Timor
- \**Wannerocrinus glans* Marez Oyens, 1940a, p. 295, Pl. 1, fig. 1; Fig. 1. Bassler and Moodey, 1943, p. 723. Moore and Laudon, 1943b, p. 75, Fig. 5, nos. D-F. Branson, C. C., 1948, p. 220. Webster, 1973, p. 266. Ubaghs *in* Moore and Teichert, 1978, p. T450, Fig. 259, no. 1. Webster, 1986, p. 318.  
 Permian, series uncertain. West Timor, Basleo
- WESTHEADOCRINUS** Donovan, 1989. \**W. girvanensis* Donovan, 1989.  
 Sbc. Disparida, O. Myelodactylida, Spf. Myelodactyloidea. F. Iocrinidae  
 Donovan, 1989d, p. 73. Webster, 1993, p. 123.  
 Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian species  
 Ordovician, Katian (Ashgillian). United Kingdom
- \**Westheadocrinus girvanensis* Donovan, 1989d, p. 75, Pls. 7, figs. 2, 4-5; 13, figs. 1-2, 4; Fig. 27. Webster, 1993, p. 123. Donovan, 1994, p. 75, Fig. 5, no. D. Donovan, Paul, and Lewis, 1996, p. 206, Pl. 37, fig. 3. Donovan, Lewis, and Harper, 2002, p. 155, Fig. 1, nos. g-h.  
 Ordovician, Katian (Ashgillian), Slade Stage, Ladyburn Starfish Bed. United Kingdom, Scotland

**WETHERBYOCRINUS** Chestnut and Ettensohn, 1988. \**Poteriocrinus pulaskiensis*  
Miller and Gurley, 1896.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
Scytalocrinidae

Chestnut and Ettensohn, 1988, p. 41, Fig. 10. Webster, 1993, p. 123.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

\**Wetherbyocrinus pulaskiensis* (Miller and Gurley, 1896). Chestnut and Ettensohn,  
1988, p. 42, Pl. 3, figs. 6-7. Webster, 1993, p. 124.

*Poteriocrinus pulaskiensis* Miller and Gurley, 1896a, p. 39, Pl. 3, figs. 26-27. Miller,  
S. A., 1897, p. 752. Weller, S., 1898c, p. 477. Bassler and Moodey, 1943, p.  
644. Chestnut and Ettensohn, 1988, p. 42. Webster, 1993, p. 124.

*Poteriocrinites pulaskiensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943,  
p. 644. Chestnut and Ettensohn, 1988, p. 42. Webster, 1993, p. 124.

Mississippian, Serpukhovian (Chesterian), Pennington Formation, Glen Dean  
Limestone. United States, Kentucky

**WEWOKACRINUS** Knapp, 1969 = **DELOCRINUS**

*Wewokacrinus wewokaensis* (Strimple, 1940) = *Delocrinus wewokaensis*

*Wewokaensis wewokaensis* (Strimple, 1940 = *Wewokacrinus wewokaensis* =  
*Delocrinus wewokaensis*

**WHITEOCRINUS** Jaekel, 1918. \**Belemnocrinus florifer* Wachsmuth and Springer,  
1877.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Belemnocrinidae

Jaekel, 1918, p. 58. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 723.

Moore and Laudon, 1943b, p. 31. Ubaghs, 1953, p. 737. Arendt and Hecker,  
1964, p. 95. Webster, 1973, p. 266. Moore and Lane in Moore and Teichert,  
1978, p. T557. Webster, 1986, p. 318.

Named, currently recognized species based on cups or crowns: 1 Mississippian,  
Viséan species

Mississippian, Viséan (Osagean). United States, Iowa

**WHITEOCRINUS** Strimple, 1939 (*non* Jaekel, 1918) = **STELLAROCRINUS**

*Whiteocrinus angulatus* (Miller and Gurley, 1894) = *Stellarocrinus angulatus* =  
*Celonocrinus angulatus*

*Whiteocrinus exsculptus* Strimple, 1939 = *Stellarocrinus exsculptus*

\**Whiteocrinus florifer* (Wachsmuth and Springer, 1877). Jaekel, 1918, p. 58. Bassler  
and Moodey, 1943, p. 723. Moore and Lane in Moore and Teichert, 1978, p.  
T557, Fig. 350, no. 3. Webster, 1986, p. 318.

*Belemnocrinus florifer* Wachsmuth and Springer, 1877, p. 256. Wachsmuth and Springer, 1885, Pls. 5, fig. 11; 6, fig. 28. Wachsmuth and Springer, 1886, p. 214 (138). Miller, S. A., 1889, p. 229. Weller, S., 1898c, p. 137. Bassler, 1938, p. 191.

Bassler and Moodey, 1943, p. 723.  
Mississippian, Viséan (Osagean), upper part of Burlington Limestone. United States, Iowa

*Whiteocrinus stillativus* (White, 1879) = *Stellarocrinus stillativus*

*Whiteocrinus* sp. indet. Strimple, 1939 = *Stellarocrinus* sp. indet.

Wide U-shaped crinoid brachial plate Sprinkle, 1971, p. D94, Fig. 1, no. 82. Webster, 1977, p. 183.

Ordovician, Darriwilian, Antelope Valley Limestone. United States, Nevada

**WILSONICRINUS** Springer, 1926. \**W. discoideus* Springer, 1926.

Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Anthemocrinidae  
Springer, 1926a, p. 23. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 724.  
Moore and Laudon, 1943b, p. 82. Moore and Laudon, 1944, p. 185. Ubaghs,  
1953, p. 737. Arendt and Hecker, 1964, p. 95. Webster, 1973, p. 266. Brower  
and Veinus, 1974, p. 97. Ubaghs *in* Moore and Teichert, 1978, p. T420.

Webster,  
1986, p. 319.

Named, currently recognized species based on cups or crowns: 2 species, 1  
Ordovician, Sandbian; 1 Silurian, Niagaran

Ordovician, Sandbian; Middle Silurian, Niagaran. United States

*Wilsonicrinus culmensinuosus* Brower and Veinus, 1974, p. 97, Pl. 13, fig. 2. Webster, 1986, p. 319.

Ordovician, Sandbian, Lincolnshire Formation, Hogskin Member. United States, Tennessee

\**Wilsonicrinus discoideus* Springer, 1926a, p. 233, Pl. 4, figs. 6-6a. Bassler, 1938, p. 191. Bassler and Moodey, 1943, p. 724. Moore and Laudon, 1944, p. 185, Pl. 72, fig. 26. Webster, 1973, p. 266. Ubaghs *in* Moore and Teichert, 1978, p. T420, Fig. 230, no. 2. Webster, 1986, p. 319.

Silurian, Niagaran, Laurel Limestone. United States, Indiana

**WOODOCRINUS** de Koninck, 1854. \**W. macrodactylus* de Koninck, 1854.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Scytalocrinoidea, F.  
uncertain, related to blothrocrinids

De Koninck, 1854, p. 210. Pictet, 1857, p. 319. Dujardin and Hupé, 1862, p. 133.  
Zittel, 1880, p. 344, 361. Wachsmuth and Springer, 1880 (1879), p. 63 (286).  
Wachsmuth and Springer, 1886, p. 180 (115). Zittel, 1895, p. 136. Koken, 1896,  
p. 280. Bather *in* Lankester, 1900, p. 180. Wachsmuth *in* Zittel, 1900, p. 160.  
Grabau and Shimer, 1910, p. 511. Springer *in* Zittel, 1913, p. 223. Wanner,  
1924,

p. 177. Springer, 1926b, p. 77. Wright, J., 1936, p. 386. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 724. Moore and Laudon, 1943b, p. 55. Branson, C. C., 1948, p. 220. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 266. Webster, 1977, p. 176. Moore and Strimple *in* Moore and Teichert, 1978, p. T651. Webster, 1986, p. 319. Lane and Sevastopulo, 1990, p. 335. Webster, 1993, p. 124.

*PHILOCRINUS* de Koninck, 1863a, p. 573. \**P. cometa* de Koninck, 1863. de Koninck, 1863b, p. 4. Zittel, 1880, p. 343, 359. Miller, S. A., 1889, p. 269. Bather *in* Lankester, 1900, p. 180. Bassler, 1938, p. 151. Bassler and Moodey, 1943, p. 724. Moore and Laudon, 1943b, p. 55. Arendt and Hecker, 1964, p. 88. Webster, 1973, p. 206. Moore and Strimple *in* Moore and Teichert, 1978, p. T651.

Named, currently recognized species based on cups or crowns: 10 species. 9 Mississippian, 2 Tournaisian, 3 Viséan, 4 Serpukhovian; 1 Permian Wordian or Guadalupian

Mississippian, Tournaisian - Namurian. United Kingdom  
Permian. Pakistan

*Woodocrinus aequalis* Wolf, 1979 = *Pachylocrinus aequalis*

*Woodocrinus arboreus* (Worthen, 1873) = *Linocrinus arboreus*

*Woodocrinus asper* (Meek and Worthen, 1870) = *Linocrinus asper*

*Woodocrinus asperatus* (Worthen, 1882) = *Sarocrinus asperatus*

*Woodocrinus bursaeformis* (White, 1862) = *Cercidocrinus burseformis*

*Woodocrinus claytonensis* (Worthen, 1882) = *Poteriocrinites claytonensis*

*Woodocrinus cometa* (de Koninck, 1863). Bassler and Moodey, 1943, p. 724. Branson, C. C., 1948, p. 220.

*Philocrinus cometa* de Koninck, 1863a, p. 573, Pl. 2, fig. 5. de Koninck, 1863b, p. 4, Pl. 2, fig. 5. Waagen, 1887, p. 833, Pl. 95, figs. 17-20. Bassler, 1938, p. 151. Bassler and Moodey, 1943, p. 724. Branson, C. C., 1948, p. 220.

Permian, Wordian or Guadalupian, Wargal Formation, Kalabagh Member. Pakistan, Salt Range

*Woodocrinus concinnus* (Meek and Worthen, 1870) = *Cydrocrinus concinnus*

*Woodocrinus coxanus* (Worthen, 1882) = *Eratocrinus coxanus*

*Woodocrinus decodactylus* de Koninck and Wood, 1858a, p. 78. Bassler and Moodey, 1943, p. 724. Wright, J., 1951b, p. 58. Webster, 1973, p. 266.

*Woodocrinus dichodactylus* de Koninck and Wood, 1858b, p. 13 (nomen nudum). Wright, 1951b, p. 58.

Mississippian, Tournaisian, Mountain Limestone. United Kingdom

*Woodocrinus dichodactylus* de Koninck and Wood, 1858 = *Woodocrinus decodactylus*

*Woodocrinus elegans* (Hall, 1858) = *Eratocrinus elegans*

*Woodocrinus expansus* de Koninck and Wood, 1858a, p. 77 de Koninck and Wood 1858b, p. 13, Pl. 2. Wright, J., 1924, p. 272, Fig. 1. Wright, J., 1925, Pl. 28. Bassler and Moodey, 1943, p. 724. Wright, J., 1951b, p. 55, Pls. 21, fig. 2; 27, figs. 1, 3-4; 28, figs. 2-4; 29, figs. 1, 3. Webster, 1973, p. 266. Ausich and Kammer, 2006, p. 105, Fig. 1, no. A.  
Mississippian, Serpukhovian, Pendlian, Mountain Limestone; red beds above Main Limestone. United Kingdom

*Woodocrinus* cf. *expansus* Wright, 1924 = *Woodocrinus pentonensis*

*Woodocrinus fimbriatus* de Koninck in Wright, J., 1951b, p. 58, Pl. 34, fig. 2. Webster, 1973, p. 266.  
Mississippian, Serpukhovian (E<sub>1</sub>), red beds above Main Limestone. United Kingdom

*Woodocrinus goniodactylus* de Koninck and Wood, 1858 = *Hydreionocrinus goniodactylus*

*Woodocrinus goniodactylus* Wright, 1936 = *Hydreionocrinus amplus* = *Derbiocrinus* cf. *amplus*

*Woodocrinus gravis* Wright, J., 1936, p. 396, Pls. 8, fig. 1; 9, figs. 1-3; 10, figs. 1, 9; Figs. 5-21. Wright, J., 1939, p. 33, Pls. 3, figs. 1-2, 4-9; 6, fig. 11; Figs. 36-40. Bassler and Moodey, 1943, p. 724. Wright, J., 1951b, p. 53, Pl. 25, figs. 2-9; Figs. 16-20. Brower, 1974b, p. 32, Fig. 18, nos. 1-4. Webster, 1986, p. 319.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Woodocrinus latifrons* (Austin and Austin, 1847) = *Mendipocrinus latifrons*

*Woodocrinus liddesdalensis* Wright, J., 1936, p. 387, Pls. 7; 8, fig. 3; Figs. 1-2. Wright, J., 1939, p. 31, Pls. 1, figs. 1-2; 3, fig. 3; 6, fig. 10; 7, fig. 8. Bassler and Moodey, 1943, p. 724. Wright, 1951b, p. 52, Pls. 22; 23, figs. 1-2; 24, fig. 1; 25, fig. 1; 26, figs. 1-2; 30, fig. 10. Webster, 1973, p. 266.  
*Woodocrinus macrodactylus* Wright, J., 1924, p. 270, Pl. 13. Wright, J., 1925, Pl. 26. Bassler and Moodey, 1943, p. 724.  
Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Woodocrinus liliiformis* (Meek and Worthen, 1861) = *Pachylocrinus liliiformis*

*Woodocrinus?* *longidactylus* (de Koninck in Wright, 1925). Wright, J., 1951b, p. 59, Pl. 29, fig. 2. Webster, 1973, p. 266. Ausich and Kammer, 2006, p. 105 (considered *nomen dubium*).  
*Poteriocrinus?* *longidactylus* (de Koninck in Wright, 1925). Wright, J., 1951b, p. 59. Webster, 1973, p. 266.  
Mississippian, Serpukhovian (E<sub>1</sub>), red beds above Main Limestone. United Kingdom

\**Woodocrinus macrodactylus* de Koninck, 1854, p. 212, Pl. 8, figs. 1a-1d. Pictet, 1857, p. 319, Pl. 100, fig. 18. de Koninck and Wood, 1858, p. 13, Pl. 1. Bronn, 1860, Pl. 28, figs. 3A-3C. Dujardin and Hupé, 1862, p. 133. Baily, 1875, Pl. 36, fig. 5. Quenstedt, 1885, p. 947, Pl. 76, fig. 3. Bather, 1890c, p. 388, Pl. 15, fig. 16. Zittel, 1895, p. 136, Fig. 265. Wachsmuth *in* Zittel, 1900, p. 160, Fig. 265. Kirk, 1911, p. 44, Pl. 4, fig. 3. Springer *in* Zittel, 1913, p. 223, Fig. 324. Springer, 1926b, p. 77, Pl. 26, fig. 19. Wright, J., 1936, p. 391, Figs. 3-4. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 724. Wright, J., 1951b, p. 48, Pls. 20; 21; 23, figs. 3-5; 24, figs. 2-3, 5; 27, fig. 1; 28, figs. 3-4; 29, fig. 4; 30, figs. 2, 5, 9; Fig. 15. White, W. D., 1964, p. 172, Pl. 60, fig. 2. Webster, 1973, p. 267. Webster, 1977, p. 176. Ubaghs *in* Moore and Teichert, 1978, p. T92, Fig. 69, no. 3. Moore and Strimple *in* Moore and Teichert, 1978, p. T651, Fig. 426, no. 3. Webster, 1986, p. 319. Oji, 2001, p. 399, Fig. 1, no. B. Ausich and Kammer, 2006, p. 105, Fig. 1, no. B.

Mississippian, Serpukovian, Pendlan; Main Limestone. United Kingdom

*Woodocrinus macrodactylus* Wright, 1924 (*non* de Koninck, 1854) = *Woodocrinus liddesdalensis*

*Woodocrinus macrodactylus* de Koninck; Baily *in* DuNoyer, 1865 = *Erinocrinus austini*

*Woodocrinus merope* (Hall, 1864) = *Zeacrinites merope* = *Linocrinus merope*

*Woodocrinus paternus* (Hall, 1863) = *Zeacrinites paternus*

*Woodocrinus pentonensis* Wright, J., 1951b, p. 56, Pl. 26, figs. 3-4. Webster, 1973, p. 266.

*Woodocrinus* cf. *expansus* de Koninck and Wood, 1858. Wright, J., 1924, p. 272, Pl. 15, figs. 1-2; Figs. 2-4. Wright, J., 1951b, p. 56. Webster, 1973, p. 267. Mississippian, Viséan, Lower Limestone Group. United Kingdom, Scotland

*Woodocrinus perangulatus* (White, 1862) = *Linocrinus perangulatus*

*Woodocrinus planobrachiatus* (Meek and Worthen, 1860) = *Lekocrinus planobrachiatus*

*Woodocrinus pocillum* (Miller, 1891) = *Sarocrinus varsoviensis*

*Woodocrinus ramosus* (Hall, 1858) = *Eratocrinus ramosus*

*Woodocrinus richfieldensis* (Worthen, 1882) = *Aphelecrinus richfieldensis*

*Woodocrinus scobina* (Meek and Worthen, 1870) = *Linocrinus scobina*

*Woodocrinus serratus* (Meek and Worthen, 1870) = *Eratocrinus serratus*



*Woodocrinus tentaculatus* Wachsmuth and Springer, 1886 = *Sarocrinus tentaculatus* =  
*S. varsoviensis*

*Woodocrinus troostanus* (Meek and Worthen, 1860) = *Sarocrinus varsoviensis* =  
*Eratocrinus troostanus*

*Woodocrinus whytei* Wright, J., 1936, p. 394, Pl. 10, fig. 4. Wright, J., 1939, p. 34, Pls.  
1, fig. 4; 12, fig. 23. Bassler and Moodey, 1943, p. 725. Wright, J., 1951b, p. 57,  
Pls. 24, fig. 4; 26, fig. 5; 31, fig. 15. Webster, 1973, p. 267.  
Mississippian, Tournaisian, Lower Limestone Group. United Kingdom, Scotland

*Woodocrinus?* sp. indet. Schmidt, 1934 (part) = *Orocrinus hercynicus*

*Woodocrinus?* sp. indet. Schmidt, 1934 (part) = *Orocrinus grundensis*

*Woodocrinus?* sp. indet. Schmidt, 1934 (part) = *Orocrinus winterbergensis*

*Woodocrinus* sp. Wright, J., 1920a, p. 382, Pl. 19, top 2 figs.  
Mississippian, Viséan, Fife Limestones. United Kingdom, Scotland

**WORTHENOCRINUS** Kammer and Ausich, 1994. \**W. paterus* Kammer and Ausich,  
1994, OD.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F.  
Zeacrinidae

Kammer and Ausich, 1994, p. 349.

Named, currently recognized species based on cups or crowns: 2 Mississippian,  
Serpukhovian species

Mississippian, Serpukhovian (late Osagean). United States, Iowa

*Worthenocrinus hardinensis* Ausich, Goldstein, and Yates, 2000, p. 1079, Fig. 1, nos.  
9-11.

Mississippian, Serpukhovian (late Osagean), Muldraugh Member, Borden  
Formation. United States, Kentucky

\**Worthenocrinus paterus* Kammer and Ausich, 1994, p. 349, Fig. 3.14.

*Zeacrinus keokuk* Worthen, 1882, (part), p. 28. Worthen, 1883, p. 303 (part), non Pl.  
28, fig. 3. Kammer and Ausich, 1994, p. 349.

Mississippian, Serpukhovian (late Osagean), lower part of Warsaw Formation.  
United States, Iowa

**WRIGHTOCRINUS** Moore, 1940. \**Allagecrinus jakovlevi* Wanner, 1929.

Sbc. Disparida, Spf. Allagecrinoidea, F. Allagecrinidae

Moore, 1940b, p. 92. Bassler and Moodey, 1943, p. 725. Moore and Laudon,  
1943b, p. 31. Branson, C. C., 1948, p. 220. Ubaghs, 1953, p. 747. Moore,  
1962b, p. 16, Fig. 12, no. 5. Arendt and Hecker, 1964, p. 81. Strimple and  
Moore, 1971a, p. 38. Webster, 1973, p. 267. Webster, 1977, p. 176. Ubaghs *in*  
Moore and Teichert, 1978, p. T111, Fig. 85, no. 4. Moore and Strimple *in* Moore  
and Teichert, 1978, p. T541, Fig. 334, no. 5. Webster, 1986, p. 319. Broadhead,

1988, p. 121, Fig. 7, no. A.

Named, currently recognized species based on cups or crowns: 2 Permian species,  
1 late Sakmarian or early Artinskian, 1 series uncertain  
Permian, series uncertain. West Timor  
Permian, late Sakmarian or early Artinskian. Australia, Western Australia

*Wrightocrinus biplex* (Wright, 1932) = *Thaminocrinus biplex*

\**Wrightocrinus jakovlevi* (Wanner, 1929). Moore, 1940b, p. 93. Bassler and Moodey,  
1943, p. 725. Branson, C. C., 1948, p. 220. Ubaghs, 1953, p. 747, Fig. 21, no.  
b. Moore and Strimple *in* Moore and Teichert, 1978, p. T542, Fig. 335, no. 5.  
Webster, 1986, p. 319.

*Allagecrinus yakovlevi* Wanner, 1929, p. 14, Pl. 1, figs. 1-9. Bassler and Moodey,  
1943, p. 725.

*Allagecrinus jakovlevi* Wanner, 1929. Branson, C. C., 1948, p. 220.

*Kallimorphocrinus yakovlevi* (Wanner, 1929). Wright, J., 1933, p. 204. Bassler and  
Moodey, 1943, p. 725.

*Callimorphocrinus jakovlevi* (Wanner, 1929). Marez Oyens, 1940a p. 344. Bassler  
and Moodey, 1943, p. 725. Branson, C. C., 1948, p. 220.

*Wrightocrinus yakoblevi* (Wanner, 1929). Webster, 1973, p. 267 (sic).

Permian, series uncertain. West Timor, Basleo

*Wrightocrinus wooramelensis* Webster and Jell, 1992, p. 327, Fig. 7, nos. A-B, I-K.  
Permian, late Sakmarian or early Artinskian, Callytharra Limestone. Australia,  
Western Australia

*Wrightocrinus yakoblevi* (Wanner, 1929) = *Wrightocrinus jakovlevi*

**XENOBASIS** Faber, 1929. \**X. williamsi* Faber, 1929.

Classification uncertain

Faber, 1929, p. 480. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 725.

Jeffords *in* Moore and Teichert, 1978, p. T936 (based on disarticulated skeletal  
elements).

Named, currently recognized species based on cups or crowns: 1 Ordovician, Katian  
species

Ordovician, Katian (late Cincinnati). United States

\**Xenobasis williamsi* Faber, 1929, p. 480, Pl. 35, figs. 1-3. Bassler, 1938, p. 192.

Bassler and Moodey, 1943, p. 725. Jeffords *in* Moore and Teichert, 1978, p.  
T936.

Ordovician, Katian (late Cincinnati), Liberty Limestone. United States, Ohio

**XENOCATILLOCRINUS** Wanner, 1937. \**X. wrighti* Wanner, 1937.

Sbc. Disparida, Spf. Allagecrinoidea, F. Catillocrinidae

Wanner, 1937, p. 109. Bassler, 1938, p. 192. Moore, 1940b, p. 90. Bassler and  
Moodey, 1943, p. 725. Moore and Laudon, 1943b, p. 31. Branson, C. C., 1948,  
p. 220. Ubaghs, 1953, p. 747. Moore, 1962b, p. 16, Fig. 12, no. 8. Arendt and  
Hecker, 1964, p. 81. Strimple and Moore, 1971a, p.38. Webster, 1977, p. 176.

Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 334, no. 8.  
Webster, 1986, p. 319.

Named, currently recognized species based on cups or crowns: 1 Permian species  
series uncertain

Permian, series uncertain. West Timor

\**Xenocatillocrinus wrighti* Wanner, 1937, p. 112, Pl. 14, figs. 14-18; Figs. 31-32.

Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 725. Branson, C. C., 1948,  
p. 220. Moore and Strimple *in* Moore and Teichert, 1978, p. T546, Fig. 337, no.

3.

Webster, 1986, p. 320.

Permian, series uncertain. West Timor, Basleo

**XENOOCRINUS** Jahn, 1892 (*non* Miller, 1881) = **PROMELOCRINUS**

**XENOOCRINUS** Miller, 1881. \**X. penicillus* Miller, 1881.

Sbc. Camerata, O. Monobathrida, Sbo. Compsocrinina, Spf. Xenocrinoidea, F.  
Xenocrinidae

Miller, S. A., 1881a, p. 71. Wachsmuth and Springer, 1885, p. 95 (317). Miller, S.  
A., 1889, p. 287. Zittel, 1895, p. 132. Wachsmuth and Springer, 1897, p. 182.  
James, 1897, p. 106. Bather *in* Lankester, 1900, p. 165. Wachsmuth *in* Zittel,  
1900, p. 145. Cummings, 1908, p. 715. Springer *in* Zittel, 1913, p. 193.

Bassler, 1915, p. 1332. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p.  
725. Moore and Laudon, 1943b, p. 90, Fig. 13. Moore and Laudon, 1944, p. 189.  
Moore, 1950, p. 42, Fig. 11. Ubaghs, 1953, p. 738. Spreng and Parks, 1953, p.  
589, Figs. 1, no. b; 7, no. c; 8, no. e. Ramsbottom, 1961, p. 21, Fig. 9. Strimple,  
1963d, p. 89, Fig. 27 (part). Webster, 1973, p. 267. Brower, 1974a, p. 5. Frest,  
Strimple, and Kelly, 1976, p. 144, Fig. 2. Webster, 1977, p. 176. Ubaghs *in*  
Moore and Teichert, 1978, p. T440. Smith, A. B., 1985, p. 166. Webster, 1986,

p.

320. Ausich, 1988, p. 909, Fig. 1, no. 10. Webster, 1988, p. 165. Webster, 1993,  
p. 124. Ausich and Copper, 2010, p. 23.

Named, currently recognized species based on cups or crowns: 5 Ordovician  
species, 3 Katian, 1 Katian – Hirnantian; 1 Ordovician – Silurian, Katian –  
Llandoveryan

Ordovician, Katian. United Kingdom

Ordovician, Katian – Hirnantian (late Cincinnati). United States, Ohio, Europe

Ordovician – Silurian, Katian – Llandoveryan: Canada, Quebec

*Xenocrinus baeri* (Meek, 1872). Miller, S. A., 1889, p. 288. Wachsmuth and Springer,  
1897, p. 185, Pl. 9, figs. 5a-5d. James, 1897, p. 108. Cummings, 1908, p. 734, Pl.  
4, figs. 1-1a. Bassler, 1915, p. 1332. Bassler and Moodey, 1943, p. 725. Moore  
and Laudon, 1943b, p. 139, Pl. 10, fig. 1. Moore and Laudon, 1944, p. 189, Pl.  
72, fig. 2. Webster, 1973, p. 267. Brower, 1974a, p. 20. Smith, A. B., 1985, p.  
166, Pl. 7.4.2. Webster, 1986, p. 320. Webster, 1988, p. 165. Ausich, 1996b, p.  
245, Fig. 17-4, nos. 1, 10. Ausich *in* Hess et al., 1999 p. 79, Fig. 92. Meyer and  
Davis, 2009, p. 178, Fig. 12.10, no. B.

*Glyptocrinus baeri* Meek, 1872a, p. 337, Pl. 2, figs. 1a-1b. Meek, 1872c, p. 260.

Miller, S. A., 1880c, p. 234, Pl. 7, figs. 3-4. Miller, S. A., 1889, p. 248. Dyche, 1892, p. 130. Bassler, 1915, p. 1332. Bassler and Moodey, 1943, p. 725. *Reteocrinus baeri* (Meek, 1872). Wachsmuth and Springer, 1883a, p. 266. Bassler, 1915, p. 1332. Ordovician, Katian – Hirnantian (late Cincinnati), Whitewater Formation. United States, Indiana, Ohio

*Xenocrinus breviformis* Brower, 1974a, p. 11, Pl. 2, fig. 1; Fig. 2, no. G. Webster, 1986, p. 320. Donovan, Paul, and Lewis, 1996, p. 215. Ordovician, Katian (Ashgillian), upper part of Drummuck Group. United Kingdom, Scotland

*Xenocrinus multiramus* Ramsbottom, 1961, p. 21, Pl. 6, figs. 1-4. Webster, 1973, p. 267. Brower, 1974a, p. 6, Pls. 1; 2, figs. 2-3; 3; fig. 1; Fig. 2, nos. A-F. Brower, 1974b, p. 17, Fig. 12, nos. 1-3. Brower *in* Moore and Teichert, 1978, p. T251, Fig. 200, nos. 1-3. Webster, 1986, p. 320. Donovan, Paul, and Lewis, 1996, p. 213, Pl. 39, fig. 5. Ordovician, Katian (Ashgillian), upper part of Drummuck Group. United Kingdom

\**Xenocrinus penicillus* Miller, S. A., 1881a, p. 72, Pl. 1, figs. 3a-3c. Carpenter, 1884, p. 924, Pl. 71, fig. 8. Miller, S. A., 1889, p. 288, Fig. 444. Wachsmuth and Springer, 1897, p. 183, Pl. 9, figs. 6a-6b. James, 1897, p. 107, description, unfig. Bassler, 1915, p. 1333. Bassler, 1938, p. 192. Bassler and Moodey, 1943, p. 726. Ubaghs, 1953, p. 738, Fig. 20, no. a. Webster, 1973, p. 267. Brower, 1974a, p. 20. Ubaghs *in* Moore and Teichert, 1978, p. T118, T440, Figs. 90, no. 5; 249, no. 1. Webster, 1986, p. 320. Ausich et al. *in* Hess et al., 1999 p. 18, Fig. 25. Ordovician, Katian (late Cincinnati), Liberty Limestone. United States, Ohio

*Xenocrinus rubus* Ausich and Copper, 2010, p. 23, Pl. 4, figs. 1-4, 6, 8. Ordovician, Katian, Vaurál Formation; Hirnantian, Ellis Bay Formation; Silurian, Llandoveryan, Becscie Formation, Chabot Member. Canada, Quebec, Anticosti Island

*Xenocrinus* sp. Ramsbottom, 1961 = Unclassified camerate crinoid Donovan, 1989d

**XYSMACRINUS** Ausich, 1986. \**X. greenensis* Ausich, 1986. Sbc. Camerata, O. Diplobathrida, Spf. Rhodocrinitoidea, F. Rhodocrinitidae Ausich, 1986b, p. 103. Webster, 1993, p. 124. Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryan species Silurian, late early or middle Llandoveryan. United States, Ohio

\**Xysmacrinus greenensis* Ausich, 1986b, p. 104, Figs. 2, no. 11; 12. Webster, 1993, p. 124.

Silurian, late early or middle Llandoveryan, Brassfield Formation. United States, Ohio

*XYSTOCRINUS* Moore and Plummer, 1938 = **THOLOCRINUS**

*Xystocrinus? acicularis* Moore and Plummer, 1938 = *Zeacrinites acicularis*

*Xystocrinus depressus* Moore and Plummer, 1938 (part) = *Tholocrinus depressus*

*Xystocrinus depressus* Moore and Plummer, 1938 (part) = *Tholocrinus spinosus*

**YAKOVLEVICRINUS** Arendt, 1981. \**Y. subglobosus* Arendt, 1981.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Cromyocrinoidea, F. Indocrinidae

Arendt, 1981, p. 75. Webster, 1988, p. 165.

Named, currently recognized species based on cups or crowns: 1 Permian, Artinskian species

Permian, late Artinskian. Russia, Ural Mountains

\**Yakovlevicrinus subglobosus* Arendt, 1981, p. 75, Pls. 25, figs. 2-4; 26, figs. 1-5; Fig. 20, nos. a-m. Webster, 1988, p. 166.

Permian, late Artinskian, Sarga Horizon; Russia, Ural Mountains

**YUNNANOCRINUS** Chen and Yao, 1993. \**Y. cyathomorphus* Chen and Yao, 1993.

Sbc. Camerata, O. Diplobathrida, Sbc. Eudiplobathrina, Spf. Rhodocrinitoidea, F. Rhodocrinitidae

Chen and Yao, 1993, p. 23, 88, Fig. 7. Webster, Waters, and Chen, 2009, p. 134.

Named, currently recognized species based on cups or crowns: 3 Mississippian, Tournasian species

Mississippian, Tournasian (Yanguan Stage). China, Yunnan Province

\**Yunnanocrinus cyathomorphus* Chen and Yao, 1993, p. 24, 89, Pls. 3, figs. 4-8; 15, figs. 9-10; 16, fig. 5; Fig. 8, nos. a-c. Webster, Waters, and Chen, 2009, p. 134, Fig. 5, nos. a-d.

Mississippian, Tournasian (Yanguan Stage), Wangjiadashan Formation. China, Yunnan Province

*Yunnanocrinus delicatulus* Chen and Yao, 1993, p. 25, Pls. 3, figs. 1-3; 14, no. 12; 16, nos. 7-8. Webster, Waters, and Chen, 2009, p. 134, Fig. 5, nos. p-r

Mississippian, Tournasian (Yanguan Stage), Yudong Formation. China, Yunnan Province

*Yunnanocrinus tympaniformis* Chen and Yao, 1993, p. 26, Pls. 3, figs. 9-10; 14, figs. 3-4; 16, figs. 1-4; Fig. 9, nos. a-c. Webster, Waters, and Chen, 2009, p. 134, Fig. 5, nos. e-i.

Mississippian, Tournasian (Yanguan Stage), Yudong Formation. China, Yunnan Province

**ZANGUCRINUS** Webster et al., 2003. \**Zangucrinus abadensis* Webster et al., 2003. Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. and F. uncertain Webster et al., 2003, p. 13, Fig. 7.2.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species  
Mississippian, Tournaisian. Iran, Kerman Province

\**Zangucrinus abadensis* Webster et al., 2003, p. 13, Figs. 7.1, 16.3.

Mississippian, Tournaisian, Sardar Formation. Iran, Kerman Province

Zeacrinidae gen. et sp. indet. Hashimoto, 1984, p. 25, Pl. 10, figs. 3a-3c; Fig. 7, nos. 6a-6b. Webster, 1993, p. 125.

Pennsylvanian, Moscovian, Akiyoshi Limestone Group, *Fusulinella biconica* Biozone.  
Japan

**ZEACRINITES** Troost *in* Hall, 1858. \**Z. magnoliaeformis* Troost *in* Hall, 1858.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Zeacrinitoidea, F. Zeacrinidae

Troost *in* Hall, 1858c, p. 543. Bassler, 1938, p. 193. Moore and Plummer, 1940, p. 243. Bassler and Moodey, 1943, p. 726. Moore and Laudon, 1943b, p. 58, Figs. 1, 7. Moore and Laudon, 1944, p. 165. Moore, 1950, p. 34, Fig. 4, no. k. Arendt and Hecker, 1964, p. 88. Burdick and Strimple, 1971a, p. 21. Webster, 1973, p. 267. Horowitz and Strimple, 1974, p. 214. Webster, 1977, p. 177. Moore, Lane, and Strimple *in* Moore and Teichert, 1978, p. T748, Fig. 495, nos. 1a-1f. Burdick and Strimple, 1983a, p. 150. Smith, A. B., 1985, p. 172. Webster, 1986, p. 320. Ausich, 1988, p. 913, Fig. 2, no. 2. Chestnut and Etensohn, 1988, p. 30, Fig. 10. Webster, 1988, p. 166. Lane and Sevastopulo, 1990, p. 337. Webster, 1993, p. 124. Troost *in* Hall, 1858c, p. 543. Bassler, 1938, p. 193. Moore and Plummer, 1940, p. 243.

**ZEAECRINITES** Troost, 1850a, p. 61. Troost, 1850b, p. 419 *nomen nudum*. \**Z. municipalis* Troost, 1850.

**ZEACRINUS** Hall, 1858c, p. 544. Meek and Worthen, 1866a, p. 186. Shumard, 1868, p. 398. Meek, 1874, p. 485. Sladen, 1878, p. 248. Zittel, 1880, p. 344, 360. Wachsmuth and Springer, 1880 (1879), p. 63 (286). Wachsmuth and Springer, 1886, p. 243 (167). Miller, S. A., 1889, p. 288. Bather, 1890b, p. 325. Zittel, 1895, p. 136. Bather *in* Lankester, 1900, p. 180. Wachsmuth *in* Zittel, 1900, p. 160. Wood, E., 1909, p. 89. Springer *in* Zittel, 1913, p. 223. Wanner, 1924, p. 178. Springer, 1926b, p. 77. Kirk, 1938, p. 160. Moore and Plummer, 1938, p. 267. Bassler, 1938, p. 193. Sutton and Hagan, 1939, p. 82. Bassler and Moodey, 1943, p. 726.

Named, currently recognized species based on cups or crowns: 11 species. 8 Mississippian, 1 Tournaisian, 1 Viséan, 5 Serpukhovian, 1 Mississippian series not designated; 3 Pennsylvanian, 1 Morrowan, 1 Missourian, 1 Moscovian (C3ks) series uncertain

Mississippian, Tournaisian (Kinderhookian) - Pennsylvanian, Morrowan, ?Missourian. United States

Mississippian. United Kingdom  
Pennsylvanian, Moscovian. Russia

*Zeacrinites acicularis* (Moore and Plummer, 1938), p. 272, Fig. 22. Bassler and Moodey, 1943, p. 726. Webster, 1973, p. 268.

*Xystocrinus? acicularis* Moore and Plummer, 1938, p. 272, Fig. 22. Bassler and Moodey, 1943, p. 726.

*Zeacrinus acicularis* (Moore and Plummer, 1938). Sieverts-Doreck, 1962, p. 112, Fig. 1. Webster, 1973, p. 267.

Pennsylvanian, Morrowan, Brentwood Limestone. United States, Oklahoma

*Zeacrinites acuminatus* (Sutton and Hagan, 1939) = *Zeacrinites wortheni*

*Zeacrinites bifurcatus* (McChesney, 1860) = *Zeacrinites wortheni*

*Zeacrinites brevilatus* (Sutton and Hagan, 1939) = *Zeacrinites wortheni*

*Zeacrinites chesterensis* (Sutton and Wagner, 1931) = *Zeacrinites wortheni*

*Zeacrinites depressus* (Troost, 1849) = *Tholocrinus depressus*

*Zeacrinites doverensis* (Miller and Gurley, 1965) = *Zeacrinites wortheni*

*Zeacrinites dubius* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 727. Kammer and Ausich, 1993, p. 637.

*Zeacrinus dubius* Miller and Gurley, 1890b, p. 44, Pl. 7, figs. 7-8. Miller and Gurley, 1891, p. 361, Pl. 7, figs. 7-8. Miller, S. A., 1892a, p. 683. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 727. Kammer and Ausich, 1993, p. 637,

Figs.

5.14-5.15, 12.

Mississippian, Viséan (early Meramecian), Harrodsburg Limestone. United States, Indiana

*Zeacrinites fusiformis* (Sutton and Hagan, 1939) = *Zeacrinites wortheni*

*Zeacrinites grandiculus* (Miller and Gurley, 1894) = *Zeacrinites wortheni*

*Zeacrinites heckeri* Arendt, 2002, p. 128, Pl. 5, figs. 1-2.

Mississippian, early Serpukhovian, Steshev Horizon. Russia, Moscow Basin

*Zeacrinites impressus* (M'Coy, 1849) = *Parazeacrinites impressus*

*Zeacrinites intermedius* (Hall, 1858). Bassler and Moodey, 1943, p. 727.

*Zeacrinus intermedius* Hall, 1858c, p. 681, Pl. 25, fig. 4; Fig. 109. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 727.

Mississippian, Serpukhovian (Chesterian), Chester Limestone. United States, Illinois

*Zeacrinites kentuckiensis* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 727.

*Zeacrinus kentuckiensis* Miller and Gurley, 1896a, p. 37, Pl. 2, figs. 23-24. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 727.

Mississippian, Serpukhovian (Chesterian), Glen Dean Formation. United States, Kentucky

*Zeacrinites konincki* (Bather, 1916) = *Parazeacrinites konincki*

*Zeacrinites lanceolatus* (Sutton and Hagan, 1939) = *Zeacrinites wortheni*

*Zeacrinites* cf. *Z. lanceolatus* (Sutton and Hagan, 1939). Burdick and Strimple, 1983a, p. 159, Pl. 23, fig. 16. Webster, 1988, p. 166.

Mississippian, Serpukhovian (Chesterian), Pride Mountain Formation. United States, Alabama

\**Zeacrinites magnoliaeformis* (Troost in Wood, 1909). Bassler and Moodey, 1943, p. 728. Moore and Laudon, 1943b, p. 134, Pl. 5, fig. 8. Moore and Laudon, 1943b, 1944, p. 165, Pl. 61, fig. 1. Moore, 1962b, p. 24, Fig. 14, no. 1. Webster, 1973, p. 268. Moore, Lane, and Strimple in Moore and Teichert, 1978, p. T748, Fig. 495, nos. 1a-1f. Burdick and Strimple, 1983a, p. 154, Pl. 24, figs. 1-13. Webster, 1986, p. 320. Chestnut and Ettensohn, 1988, p. 33. Webster, 1988, p. 166. Webster, 1993, p. 124. Ausich, 2009a, p. 487, suppl. p. 47.

*Zeaecrinites magnoliaeformis* Troost, 1850a, p. 61 (*nomen nudum*).

*Zeaecrinites magnoliiformis* Troost, 1850b, p. 419 (*nomen nudum*).

*Zeacrinus magnoliaeformis* (Troost in Wood, 1909). Troost in Hall, 1858c, p. 544, Unnum. Fig. Weller, S., 1898c, p. 652. Wood, E., 1909, p. 90, Pl. 12, figs. 3-4. Springer, 1926b, p. 81, Pl. 22, figs. 4-11; Figs. 4-5. Kirk, 1938, p. 160. Bassler, 1938, p. 193. Bassler and Moodey, 1943, p. 728.

*Zeacrinus magnoliaformis* (Troost, 1850). Shumard, 1868, p. 399.

*Zeacrinus magnoliiformis* (Troost, 1850). Miller, S. A., 1889, p. 288 (sic).

?*Poteriocrinus* (*Zeacrinus*) *magnoliaeformis* (Troost, 1858). Bassler and Moodey, 1943, p. 648.

*Cyathocrinus magnoliaeformis* (Troost, 1850). Miller, S. A., 1889, p. 236. Weller, 1898, p. 652.

*Cyathocrinus magnoliaformis* (Troost, 1850). Shumard, 1868, p. 399 (sic).

*Encrinite* Owen and Norwood, 1847, p. 5, Unnum. Pl., fig. 13.

Mississippian, Serpukhovian (Chesterian), Gasper Formation; upper part of Monteagle Limestone. United States, Alabama

*Zeaecrinites magnoliiformis* Troost, 1850 = \**Zeacrinites magnoliaeformis*

*Zeacrinites merope* (Hall, 1863) = *Kinocrinus merope*

*Zeacrinites obesus* (Miller and Gurley, 1894) = *Zeacrinites wortheni*



*Zeacrinites ovalis* (Lyon and Casseday, 1860) = *Zeacrinites wortheni*

*Zeacrinites paternus* (Hall, 1863). Bassler and Moodey, 1943, p. 728.

*Zeacrinus paternus* Hall, 1863b, p. 59. Hall, 1864a, p. 59. Shumard, 1868, p. 399.

Hall and Whitfield, 1875c, p. 177, Pl. 12, fig. 17. Miller, S. A., 1889, p. 288.

Lesley, 1889, p. 1282, Fig. 17. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 640. Bassler and Moodey, 1943, p. 728.

*Woodocrinus paternus* (Hall, 1863). Weller, S., 1898c, p. 640.

Mississippian, Tournaisian (Kinderhookian), Cuyahoga Shale. United States, Ohio

*Zeacrinites peculiaris* (Miller and Gurley, 1896) = *Zeacrinites wortheni*

*Zeacrinites phillipsi* (Sladen, 1878). Bassler and Moodey, 1943, p. 728.

*Zeacrinus phillipsi* Sladen, 1878, p. 249. Bassler and Moodey, 1943, p. 728.

Mississippian. United Kingdom

*Zeacrinites planobrachiatus* (Meek and Worthen, 1860) = *Lekocrinus planobrachiatus*

*Zeacrinites pocillum* (Miller, 1891) = *Saracrinus pocillum*

*Zeacrinites polaris* (Yakovlev, 1928) = *Tundracrinus polaris*

*Zeacrinites schmitowi* (Yakovlev and Ivanov, 1956). Webster, 1973, p. 268.

*Zeacrinus schmitowi* Yakovlev and Ivanov, 1956, p. 26, Pl. 7, fig. 2; Fig. 4. Arendt and Hecker, 1964, p. 88, Pl. 11, fig. 6. Webster, 1973, p. 268.

Pennsylvanian, Kasimovian (C3ks). Russia, Moscow Basin

*Zeacrinites? sellardsi* Moore and Plummer, 1940, p. 245, Pls. 10, fig. 6; 17, fig. 2; Fig.

55. Bassler and Moodey, 1943, p. 728. Moore and Laudon, 1944, p. 165, Pl.

63, fig. 17. Webster, 1973, p. 268.

Pennsylvanian, Missourian, Graford Formation. United States, Texas

*Zeacrinites trapeziatus* (Sutton and Hagan, 1939) = *Zeacrinites wortheni*

*Zeacrinites wortheni* (Hall, 1858). Bassler and Moodey, 1943, p. 728. Moore and

Laudon, 1944, p. 165, Pl. 61, fig. 2. Moore, 1962b, p. 24, Fig. 14, no. 2.

Horowitz, 1965, p. 17, Pl. 1, figs. 6-8, 15, 19; Fig. 2, nos. B-C. Cornwell and

Cornwell, 1968, Pl. 2, fig. 3. Priest, 1973, p. 74, Fig. 3. Webster, 1973, p. 268.

Webster, 1977, p. 177. Moore, Lane, and Strimple *in* Moore and Teichert, 1978,

p. T748, Fig. 495, no. 1g. Smith, A. B., 1985, p. 172, Pl. 7.4.29. Webster, 1986,

p. 320. Chestnut and Etensohn, 1988, p. 30, Pl. 1, figs. 1-4, tables, 2-3.

Webster, 1988, p. 166. Webster, 1993, p. 124.

*Zeacrinus wortheni* Hall, 1858c, p. 683, Fig. 111. Shumard, 1868, p. 400. Miller, S.

A., 1889, p. 289. Weller, S., 1898c, p. 653. Springer, 1926b, p. 65, Pls. 22, fig.

12; 23, figs. 1-8; Figs. 6-9. Bassler and Moodey, 1943, p. 728.

- Zeacrinites acuminatus* (Sutton and Hagan, 1939). Bassler and Moodey, 1943, p. 726. Burdick and Strimple, 1983a, p. 156, Pl. 23, figs. 4, 10-11, 14-15, 17. Webster, 1988, p. 166.
- Zeacrinites bifurcatus* (McChesney, 1860). Bassler and Moodey, 1943, p. 726.
- Zeacrinites brevilatus* (Sutton and Hagan, 1939). Bassler and Moodey, 1943, p. 726.
- Zeacrinites chesterensis* (Sutton and Wagner, 1931). Bassler and Moodey, 1943, p. 726.
- Zeacrinites doverensis* (Miller and Gurley, 1896). Horowitz, 1965, p. 19, Pl. 1, figs. 16-18; Fig. 2, no. A. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites fusiformis* (Sutton and Hagan, 1939). Bassler and Moodey, 1943, p. 727.
- Zeacrinites grandiculus* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p. 727.
- Zeacrinites lanceolatus* (Sutton and Hagan, 1939). Bassler and Moodey, 1943, p. 727. Etensohn and Chesnut, 1985, p. 350, Fig. 10, no. h. Webster, 1988, p. 166.
- Zeacrinites obesus* (Miller and Gurley, 1894). Bassler and Moodey, 1943, p. 728.
- Zeacrinites ovalis* (Lyon and Casseday, 1860). Bassler and Moodey, 1943, p. 728.
- Zeacrinites peculiaris* (Miller and Gurley, 1896). Bassler and Moodey, 1943, p. 728.
- Zeacrinites trapeziatus* (Sutton and Hagan, 1939). Horowitz, 1965, p. 16, Pl. 1, figs. 3-5; Fig. 2, no. D. Webster, 1973, p. 268. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites* sp. A Horowitz, 1965, p. 19, Pl. 1, figs. 1-2; Fig. 2, no. F. Webster, 1973, p. 268. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites* sp. B Horowitz, 1965, p. 20, Pl. 1, figs. 9-11; Fig. 2, no. E. Webster, 1973, p. 268. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites* sp. C Horowitz, 1965, p. 20, Pl. 1, figs. 12-13; Fig. 2, no. G. Webster, 1973, p. 268. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites* sp. D Horowitz, 1965, p. 21, Pl. 1, figs. 14; Fig. 2, no. H. Webster, 1973, p. 269. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 124.
- Zeacrinites* sp. E Horowitz, 1965, p. 21, Pl. 2, figs. 1-2. Webster, 1973, p. 269. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 125.
- Zeacrinus acuminatus* Sutton and Hagan, 1939, p. 90, Pl. 1, figs. 4-6; Fig. 3. Bassler and Moodey, 1943, p. 726. Chestnut and Etensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus bifurcatus* McChesney, 1960, p. 9. McChesney, 1865, Pl. 5, fig. 3. Shumard, 1868, p. 399. McChesney, 1869, p. 6, Pl. 5, fig. 5; Unum. Fig. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 650. Bassler and Moodey, 1943, p. 726. Chestnut and Etensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus brevilatus* Sutton and Hagan, 1939, p. 92, Pl. 15, figs. 1-3; Fig. 8. Bassler and Moodey, 1943, p. 726. Chestnut and Etensohn, 1988, p. 31. Webster, 1993, p. 125.
- Zeacrinus chesterensis* Sutton and Hagan, 1939, p. 31, Pl. 5, figs. 12-14, Fig. 1. Bassler and Moodey, 1943, p. 726. Chestnut and Etensohn, 1988, p. 30. Webster, 1993, p. 125.

- Zeacrinus doverensis* Miller and Gurley, 1896a, p. 35, Pl. 2, figs. 20-22. Miller, S. A., 1897, p. 754. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 727. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus fusiformis* Sutton and Hagan, 1939, p. 91, Pl. 15, figs. 9-10; Fig. 7. Bassler and Moodey, 1943, p. 727. Chestnut and Ettensohn, 1988, p. 31. Webster, 1993, p. 125.
- Zeacrinus grandiculus* Miller and Gurley, 1894b, p. 32, Pl. 2, figs. 31-32. Miller, S. A., 1897, p. 755, Fig. 1404. Weller, S., 1898c, p. 651. Bassler and Moodey, 1943, p. 727. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus lanceolatus* Sutton and Hagan, 1939, p. 87, Pl. 15, figs. 11-13; Fig. 2. Bassler and Moodey, 1943, p. 726. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus lineatus* Sutton and Hagan, 1939, p. 89, Pl. 15, figs. 7-8; Fig. 4. Bassler and Moodey, 1943, p. 727. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus obesus* Miller and Gurley, 1893, p. 35, Pl. 4, figs. 6-8. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 728. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus ovalis* Lyon and Casseday, 1860b, p. 71. Shumard, 1868, p. 399. Miller, S. A., 1889, p. 288. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 728. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus peculiaris* Miller and Gurley, 1896a, p. 34, Pl. 2, figs. 17-19. Miller, S. A., 1897, p. 755. Weller, S., 1898c, p. 652. Bassler and Moodey, 1943, p. 728. Strimple, 1962j, p. 310, Pl. 1, figs. 1-5; Figs. 1-7. Webster, 1973, p. 268. Chestnut and Ettensohn, 1988, p. 30. Webster, 1993, p. 125.
- Zeacrinus trapeziatus* Sutton and Hagan, 1939, p. 88, Pl. 15, figs. 15-17; Fig. 3. Bassler and Moodey, 1943, p. 728. Chestnut and Ettensohn, 1988, p. 30. Mississippian, Serpukhovian (Chesterian), Glen Dean Limestone; Okaw Formation; Golconda Formation; Chester Limestone; Paint Creek Formation; Renault Limestone; Pennington Formation. United States, Kentucky
- Zeacrinites* cf. *Z. wortheni* (Hall, 1858). Burdick and Strimple, 1983a, p. 157, Pl. 23, fig. 9. Webster, 1988, p. 166. Mississippian, Serpukhovian (Chesterian), Bangor Limestone. United States, Alabama
- Zeacrinites* sp. cf. *Z. wortheni* (Hall, 1858). Burdick and Strimple, 1971a, p. 23, Pl. 3, figs. 1, 3, 5-6, 8, 10, 12-13, 15; Fig. 4. Webster, 1977, p. 176. Mississippian, Serpukhovian (Chesterian), Beech Creek Limestone. United States, Illinois
- Zeacrinites?* n. sp. Webster et al., 2001, p. 111, Pl. 2, figs. R-S. Pennsylvanian, Bashkirian, Sardar Formation. Eastern Iran
- Zeacrinites* sp. A Horowitz, 1965 = *Zeacrinites wortheni*.
- Zeacrinites* sp. B Horowitz, 1965 = *Zeacrinites wortheni*.

*Zeacrinites* sp. C Horowitz, 1965 = *Zeacrinites wortheni*.

*Zeacrinites* sp. D Horowitz, 1965 = *Zeacrinites wortheni*.

*Zeacrinites* sp. E Horowitz, 1965 = *Zeacrinites wortheni*.

*Zeacrinites* spp.

Broadhead and Bagby, 1972, p. 29, Pl. 1, fig. 4. Webster, 1977, p. 177.

Mississippian, Serpukhovian (Chesterian), Floyd Shale. United States, Georgia  
Williams, 2009, unnumbered fig. p. 49.

Mississippian, Visean – Serpukhovian (Chesterian), Bangor Formation. United States, Alabama

*Zeacrinitidae* indeterminate 1 Webster et al., 2004, p. 57, Pl. 17, figs. 32-35.

Mississippian, Serpukhovian, E1, Aïn el Mizab Formation, El Harrada Member.  
Algeria

*Zeacrinitidae* indeterminate Webster et al., 2004, p. 57, Pl. 1, figs. 14.

Mississippian, Serpukhovian, E1, El Guelmouna Formation, Aïn Mezerelt Member.  
Algeria

**ZEACRINUS** Hall, 1858 = **ZEACRINITES**

*Zeacrinus acanthophorus* Meek and Worthen, 1870 = \**Sciadiocrinus acanthophorus*

*Zeacrinus (Hydreionocrinus?) acanthophorus* Meek and Worthen, 1870 =  
*Hydreionocrinus acanthophorus* = *Sciadiocrinus acanthophorus*

*Zeacrinus acanthophorus* Meek and Worthen, 1870. Woodruff, 1906, p. 264, Pl. 7, Fig.  
2. (tegmen spines)

Pennsylvanian (Upper Coal Measures). United States, Nebraska

*Zeacrinus acicularis* (Moore and Plummer, 1938) = *Zeacrinites acicularis*

*Zeacrinus acuminatus* Sutton and Hagan, 1939 = *Zeacrinites acuminatus* = *Z. wortheni*

*Zeacrinus arboreus* Worthen, 1873 = *Woodocrinus arboreus* = *Linocrinus arboreus*

*Zeacrinus? armiger* Meek and Worthen, 1870 = *Poteriocrinites (Zeacrinus?) armiger* =  
*Tholocrinus armiger*

*Zeacrinus asper* Meek and Worthen, 1870 = *Pachylocrinus asper* = *Linocrinus asper*

*Zeacrinus bellulus* Miller and Gurley, 1894 = *Scytalocrinus? bellulus* = *Phanocrinus bellulus* = *P. maniformis*

*Zeacrinus beyrichi* Dewalque, 1884 = *Dactylocrinus beyrichi*

*Zeacrinus affinis beyrichi* Fraipont. Maillieux, 1909b, p. 287, Unnum. Fig. p. 287. (a flexible crinoid, GDW)  
Devonian, early Frasnian. Belgium, Dinant

*Zeacrinus bifurcatus* McChesney, 1960 = *Zeacrinites bifurcatus* = *Z. wortheni*

*Zeacrinus blairi* Miller and Gurley, 1895 = *Eratocrinus blairi* = *E. commaticus*

*Zeacrinus brevilatus* Sutton and Hagan, 1939 = *Zeacrinites brevilatus* = *Z. wortheni*

*Zeacrinus bursaeformis* Springer, 1926 = *Cercidocrinus bursaeformis*

*Zeacrinus calyx* M'Coy, 1849 = *Phanocrinus calyx*

*Zeacrinus cariniferus* (Worthen, 1873) = *Linocrinus cariniferus*

*Zeacrinus chesterensis* Sutton and Hagan, 1939 = *Zeacrinites chesterensis* = *Z. wortheni*

*Zeacrinus commaticus* Miller, 1892 = *Eratocrinus commaticus*

*Zeacrinus compactilis* (Worthen, 1873) = *Adinocrinus compactilis*

*Zeacrinus compactus* Laudon, 1933 = *Linocrinus compactus*

*Zeacrinus coxanus* Worthen, 1882 = *Woodocrinus coxanus* = *Eratocrinus coxanus*

*Zeacrinus? crassus* Worthen, 1866 = *Eupachyocrinus crassus* = *Ethelocrinus crassus*

*Zeacrinus crateriformis* (Troost, 1850) = *Eupachyocrinus boydii*

*Zeacrinus cylindricus* Miller and Gurley, 1894 = *Phanocrinus cylindricus* = *P. maniformis*

*Zeacrinus depressus* (Troost, 1849) = *Hydreionocrinus depressus* = *Xystocrinus depressus* = *Zeacrinites depressus* = *Tholocrinus depressus*

*Zeacrinus discus* Meek and Worthen, 1860 = *Plaxocrinus discus*

*Zeacrinus doverensis* Miller and Gurley, 1896 = *Zeacrinites doverensis* = *Z. wortheni*

*Zeacrinus dubius* Miller and Gurley, 1890 = *Zeacrinites dubius*

*Zeacrinus durabilis* Miller and Gurley, 1895 = *Eupachyocrinus durabilis* = *E. boydii*

- Zeacrinus elegans* Hall, 1858 = *Woodocrinus elegans* = *Eratocrinus elegans*
- Zeacrinus excavatus* Schultze, 1866 = *Dactylocrinus excavatus*
- Zeacrinus excavatus* var. *interscapularis* Schultze, 1866 = *Dactylocrinus excavatus intersapularis*
- Zeacrinus faggi* Rowley and Hare, 1891 = *Eratocrinus faggi*
- Zeacrinus florealis* (Yandell and Shumard, 1847) = *Dasciocrinus florealis*
- Zeacrinus formosus* (Worthen, 1873) = *Phanocrinus maniformis*
- Zeacrinus fusiformis* Sutton and Hagan, 1939 = *Zeacrinites wortheni*
- Zeacrinus girtyi* Springer, 1926 = *Alcimocrinus girtyi*
- Zeacrinus grandiculus* Miller and Gurley, 1894 = *Zeacrinites wortheni*
- Zeacrinus granulatus* (Phillips, 1836) = *Eurycrinus granulatus*
- Zeacrinus infrequens* Laudon and Beane, 1937 = *Cercidocrinus infrequens*
- Zeacrinus intermedius* Hall, 1858 = *Zeacrinites intermedius*
- Zeacrinus kentuckiensis* Miller and Gurley, 1896 = *Zeacrinites kentuckiensis*
- Zeacrinus keokuk* Worthen, 1882 (part) = *Sarocrinus keokuk* = *Eratocrinus coxanus*
- Zeacrinus keokuk* Worthen, 1882 (part) = *Worthenocrinus paterus*
- Zeacrinus konincki* Bather, 1916 = *Parazeacrinites konincki*
- Zeacrinus? konincki* Bather, 1916 = *Parazeacrinites konincki*
- Zeacrinus lanceolatus* Sutton and Hagan, 1939 = *Zeacrinites lanceolatus* = *Z. wortheni*
- Zeacrinus lineatus* Sutton and Hagan, 1939 = *Zeacrinites wortheni*
- Zeacrinus lyra* Meek and Worthen, 1870 = *Coeliocrinus lyra*
- Zeacrinus magnoliaeformis* Hall, 1858 = *Zeacrinites magnoliaeformis*
- Zeacrinus magnoliaeformis* (Troost, 1850) = \**Zeacrinites magnoliaeformis*
- Zeacrinus magnoliiformis* (Troost, 1850) = \**Zeacrinites magnoliaeformis*

*Zeacrinus maniformis* Hall, 1858 = *Phanocrinus maniformis*

*Zeacrinus mccoynus* (de Koninck and Le Hon, 1854) = *Parazeacrinites konincki*

*Zeacrinus merope* Hall, 1863 = *Woodocrinus merope* = *Zeacrinites merope* = *Linocrinus merope*

*Zeacrinus mooresi* Whitfield, 1882 = *Eupachycrinus mooresi* = *Plaxocrinus mooresi* = *Aatocrinus mooresi*

*Zeacrinus moorii* Whitfield, 1882 = *Aatocrinus mooresi*

*Zeacrinus mucrosphinus* McChesney, 1860. Woodruff, 1906, p. 264, Pl. 7, fig. 1.  
(tegmen spines)  
Pennsylvanian (Upper Coal Measures). United States, Nebraska

*Zeacrinus mucrospinosus* McChesney, 1860 = *Aatocrinus mucrospinus*

*Zeacrinus mucrospinus* McChesney, 1860 = *Poteriocrinites mucrospinus* = *Hydreionocrinus mucrospinus* = *Aatocrinus mucrospinus*

*Zeacrinus nitidus* Miller and Gurley, 1894 = *Phanocrinus nitidus* = *Pentaramicrinus nitidus*

*Zeacrinus nodosus* Wachsmuth and Springer, 1885 = *Adinocrinus nodosus*

*Zeacrinus obesus* Miller and Gurley, 1894 = *Zeacrinites obesus* = *Z. wortheni*

*Zeacrinus ovalis* Lyon and Casseday, 1860 = *Zeacrinites ovalis* = *Z. wortheni*

*Zeacrinus paternus* Hall, 1863 = *Woodocrinus paternus* = *Zeacrinites paternus*

*Zeacrinus peculiaris* Miller and Gurley, 1896 = *Zeacrinites peculiaris* = *Z. wortheni*

*Zeacrinus perangulatus* White, 1862 = *Woodocrinus perangulatus* = *Linocrinus perangulatus*

*Zeacrinus phillipsi* Sladen, 1878 = *Zeacrinites phillipsi*

*Zeacrinus pikensis* Worthen, 1882 = *Eratocrinus pikensis*

*Zeacrinus planobrachiatus* Meek and Worthen, 1860 = *Woodocrinus planobrachiatus* = *Zeacrinites planobrachiatus* = *Lekocrinus planobrachiatus*

*Zeacrinus pocillum* Miller, 1891 = *Woodocrinus pocillum* = *Zeacrinites pocillum* = *Sarocrinus pocillum* = *S. varsoviensis*

- Zeacrinus polaris* (Yakovlev, 1928) = *Zeacrinites polaris* = *Tundracrinus polaris*
- Zeacrinus pulaskiensis* Miller and Gurley, 1895 = *Pentaramicrinus pulaskiensis* = *P. gracilis*
- Zeacrinus ramosus* Hall, 1858 = *Woodocrinus ramosus* = *Eratocrinus ramosus*
- Zeacrinus?* *robustus* Beede, 1900 = *Aatocrinus robustus*
- Zeacrinus sacculus* White, 1862 = *Eratocrinus sacculus*
- Zeacrinus sacculus* var. *concinus* White, 1862 = *Eratocrinus sacculus*
- Zeacrinus salemanensis* Miller and Gurley, 1894 = *Eratocrinus salemensis*
- Zeacrinus salemensis* Miller and Gurley, 1894 = *Eratocrinus salemensis*
- Zeacrinus schmitowi* Yakovlev and Ivanov, 1956 = *Zeacrinites schmitowi*
- Zeacrinus scobina* Meek and Worthen, 1870 = *Woodocrinus scobina* = *Linocrinus scobina*
- Zeacrinus scoparius* Hall, 1861 = *Poteriocrinus (Zeacrinus) scoparius* = *Eratocrinus scoparius* = *Ascetocrinus scoparius*
- Zeacrinus serratus* Meek and Worthen, 1870 = *Woodocrinus serratus* = *Eratocrinus serratus*
- Zeacrinus spinosus* (Owen and Shumard, 1852) = *Dasciocrinus spinosus*
- Zeacrinus spinuliferus* Worthen in Miller, S. A., 1889 = *Linocrinus spinuliferus*
- Zeacrinus stimpsoni* Lyon, 1869 = *Pachylocrinus coreyi* = *Abrotocrinus coreyi*
- Zeacrinus subtumidus* (Meek and Worthen, 1865) = *Eupachyocrinus subtumidus*
- Zeacrinus?* *sundaicus* Wanner, 1916 = *Malaiocrinus sundaicus*
- Zeacrinus trapeziatus* Sutton and Hagan, 1939 = *Zeacrinites trapeziatus* = *Z. wortheni*
- Zeacrinus troostanus* Meek and Worthen, 1860 = *Woodocrinus troostanus* = *Eratocrinus troostanus*
- Zeacrinus wortheni* Hall, 1858 = *Zeacrinites wortheni*
- Zeacrinus* sp. undet. Meek and Worthen, 1873, Pl. 1, fig. 4. Weller, S., 1898c, p. 653. Mississippian, Viséan (Osagean), Burlington Limestone. United States, Iowa



**ZEAECRINITES** Troost, 1850 = **ZEACRINUS**

*Zeaecrinites magnoliaeformis* Troost, 1850 = *Zeacrinus magnoliaeformis*

Zeelelie Stemvers-van Bommel, 1989, p. 19, Fig. F-3.  
Devonian, Emsian, Hunsrückschiefer. Germany

**ZENKERICRINUS** Waagen and Jahn, 1899 = **PROMELOCRINUS**

*Zenkericrinus melocrinoides* Waagen and Jahn, 1899 = *Ctenocrinus melocrinoides* =  
*Melocrinites melocrinoides* = *Promelocrinus melocrinoides*

**ZENOCRINUS** Moore and Strimple, 1973. \**Z. zeus* Moore and Strimple, 1973.  
Sbc. Cladida, Inf. Flexibilia, O. Sagenocrinida, Spf. Sagenocrinitoidea, F.  
Dactylocrinidae

Moore and Strimple, 1973, p. 36. Webster, 1977, p. 177. Moore *in* Moore and  
Teichert, 1978, p. T807. Webster, 1986, p. 320.

Named, currently recognized species based on cups or crowns: 1 Pennsylvanian,  
Morrowan species

Pennsylvanian, Morrowan. United States

\**Zenocrinus zeus* Moore and Strimple, 1973, p. 36, Pl. 3, figs. 1a, 1b. Webster, 1977,  
p. 177. Moore *in* Moore and Teichert, 1978, p. T807, Figs. 544, no. 3; 545, no.  
2. Webster, 1986, p. 321 (incorrectly cited as *Zeacrinus zeus*).

Pennsylvanian, Morrowan, Wapanucka Formation. United States, Oklahoma

**ZEUSOCRINUS** Strimple, 1961. \**Tholocrinus foveatus* Strimple, 1951.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Pirasocrinoidea, F.  
Pirasocrinidae

Strimple, 1961g, p. 21. Strimple and Watkins, 1969, p. 203. Strimple and  
Moore, 1971a, p. 18. Webster, 1973, p. 269. Webster, 1977, p. 177. Moore and  
Strimple *in* Moore and Teichert, 1978, p. T735. Webster, 1986, p. 321. Lane  
and Sevastopulo, 1990, p. 336. Webster, 1993, p. 126.

Named, currently recognized species based on cups or crowns: 1 Mississippian  
Serpukhovian species

Mississippian, Serpukhovian (Chesterian). United States

\**Zeusocrinus foveatus* (Strimple, 1951). Strimple, 1961g, p. 21. Webster, 1973, p. 269.  
Moore and Strimple *in* Moore and Teichert, 1978, p. T735, Fig. 486, no. 2.  
Webster, 1986, p. 321.

*Tholocrinus foveatus* Strimple, 1951f, p. 675, Pl. 99, figs. 1-2. Webster, 1973, p.  
269.

Mississippian, Serpukhovian (Chesterian), Pitkin Limestone. United States,  
Oklahoma

**ZIROCRINUS** Ausich, 1985. \**Z. litos* Ausich, 1985.

Sbc. Camerata, O. Monobathrida, Sbo. Glyptocrinina, Spf. Glyptocrinoidea, F. Glyptocrinidae

Ausich, 1985, p. 798. Webster, 1988, p. 166.

Named, currently recognized species based on cups or crowns: 1 Silurian, Llandoveryian species

Silurian, Llandoveryian. United States, Ohio

\**Zirocrinus litos* Ausich, 1985, p. 799, Figs. 5-6. Webster, 1988, p. 166.

Silurian, Llandoveryian, Brassfield Formation. United States, Ohio

**ZOPHOCRINUS** Miller, 1891. \**Z. howardi* Miller, 1891.

Sbc. Disparida, Spf. Belemnocrinoidea, F. Zophocrinidae

Miller, S. A., 1891c, p. 32 (adv. pub.). Miller, S. A., 1892a, p. 683. Miller, S. A., 1892b, p. 642. Weller, S., 1900, p. 152, Fig. 7. Bather *in* Lankester, 1900, p. 151.

Solcom, 1908, p. 284, Fig. 3. Grabau and Shimer, 1910, p. 474. Springer *in* Zittel,

1913, p. 158. Bassler, 1915, p. 1339. Springer, 1926a, p. 61. Bassler, 1938, p. 193. Bassler and Moodey, 1943, p. 729. Moore and Laudon, 1943b, p. 30.

Moore

and Laudon, 1944, p. 145. Ubaghs, 1953, p. 747. Webster, 1973, p. 269. Moore and Lane *in* Moore and Teichert, 1978, p. T561. Webster, 1986, p. 321.

Named, currently recognized species based on cups or crowns: 4 Silurian, Niagaran species

Silurian, Niagaran. United States

*Zophocrinus angulatus* Strimple, 1915b, p. 76, Figs. 6-7. Webster, 1973, p. 269.

Silurian, Niagaran, Henryhouse Formation. United States, Oklahoma

*Zophocrinus globosus* Slocum, 1908, p. 285, Pl. 85, figs. 15-19. Bassler, 1915, p. 1339. Bassler and Moodey, 1943, p. 728.

Silurian, Niagaran, Racine Limestone. United States, Illinois

\**Zophocrinus howardi* Miller, S. A., 1891c, p. 33 (adv. pub.). Miller, S. A., 1892a, p. 683,

Fig. 1254. Miller, S. A., 1892b, p. 643, Pl. 6, figs. 126-28. Weller, S., 1900, p.

152, Pl. 15, fig. 13. Grabau and Shimer, 1910, p. 474, Fig. 1785. Bassler, 1915,

p. 1339. Springer, 1926a, p. 82, Pl. 25, figs. 19-26. Bassler, 1938, p. 193

Bassler and Moodey, 1943, p. 729. Moore and Laudon, 1943b, p. 130, Pl. 1, fig.

16. Moore and Laudon, 1944, p. 147, Pl. 54, fig. 20. Le Maitre, 1958b, p. 134, Pl.

1, fig. 7. Webster, 1973, p. 269. Moore and Lane *in* Moore and Teichert, 1978, p.

T561, Fig. 355, no. 1. Webster, 1986, p. 321.

Silurian, Niagaran, Laurel Limestone; Beech River Formation; Racine Dolomite.

United States, Indiana, Tennessee, Illinois

*Zophocrinus pyriformis* Slocum, 1908, p. 285, Pl. 85, figs. 12-14. Bassler, 1915, p. 1339. Bassler and Moodey, 1943, p. 729.

Silurian, Niagaran, Racine Dolomite. United States, Illinois

**ZOSTOCRINUS** Kirk, 1948. \**Z. ornatus* Kirk, 1948.

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Decadocrinoidea, F. Decadocrinidae

Kirk, 1948, p. 708. Webster, 1973, p. 269. Moore and Strimple *in* Moore and Teichert, 1978, p. T688. Webster, 1986, p. 321.

Named, currently recognized species based on cups or crowns: 1 Devonian, Givetian species

Devonian, Givetian. United States

\**Zostocrinus ornatus* Kirk, 1948, p. 7090, Pl. 1, figs. 12-16. Goldring, 1954, p. 34, Pls. 5, figs. 7-8; 6, figs. 1-9. Webster, 1973, p. 269. Moore and Strimple *in* Moore and Teichert, 1978, p. T688, Fig. 453, no. 1. Webster, 1986, p. 321.

Devonian, Givetian, Ludlowville Shale, Kashong Member. United States, New York

**ZYGIOSOCRINUS** Webster, 1997. \**Z. typicus* Webster, 1997, OD

Sbc. Cladida, Inf. Cyathocrinina, O. Dendrocrinida, Spf. Mastigocrinoidea, F. Mastigocrinidae

Webster, 1997, p. 19.

Named, currently recognized species based on cups or crowns: 1 Mississippian, Tournaisian species

Mississippian, Tournaisian. United States

\**Zygiosocrinus typicus* Webster, 1997, p. 19, Pl. 5, fig. 6.

Mississippian, Tournaisian, Brush Canyon Member, Henderson Canyon Formation. United States, Utah

**ZYGOTOCRINUS** Kirk, 1943. \**Z. fragilis* Kirk, 1943.

Sbc. Cladida, O. Cyathocrinida, Spf. Cyathocrinitoidea, F. Euspirocrinidae

Kirk, 1943b, p. 640. Webster, 1973, p. 269. Lane and Moore *in* Moore and Teichert, 1978, p. T585. Webster, 1986, p. 321. Kammer and Gahn, 2003a, p. 131.

Named, currently recognized species based on cups or crowns: 2 Mississippian, Osagean species

Mississippian, Viséan (Osagean). United States

*Zygotocrinus enormis* (Meek and Worthen, 1861). Kirk, 1943b, p. 642. Webster, 1973, p. 269. Kammer and Gahn, 2003a, p. 131, Figs. 4.10-4.13.

*Poteriocrinus? enormis* Meek and Worthen, 1861, p. 137. Shumard, 1868, p. 391.

Miller, S. A., 1889, p. 274. Weller, S., 1898c, p. 199. Bassler and Moodey, 1943, p. 390. Kirk, 1943b, p. 642. Webster, 1973, p. 269.

*Cyathocrinus enormis* (Meek and Worthen, 1861). Meek and Worthen, 1868c, p. 481, Pl. 16, figs. 3a-3b. Miller, S. A., 1889, p. 235. Weller, S., 1898c, p. 199.

Grabau and Shimer, 1910, p. 506. Bassler and Moodey, 1943, p. 390.

*Cyathocrinites enormis* (Meek and Worthen, 1861). Bassler and Moodey, 1943, p. 390.

Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States, Iowa

\**Zygotocrinus fragilis* Kirk, 1943b, p. 642, Pl. 1, figs. 1-4. Webster, 1973, p. 269.  
Mississippian, Viséan (Osagean), lower part of Burlington Limestone. United States,  
Iowa

### III. INDEX OF CORONATE ECHINODERMS

*Codaster osgoodensis* (Miller, 1879) = *Stephanocrinus osgoodensis*

Coronate radial Pisera, 1994, p. 291, Pl. 62, fig. 16.  
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Coronate basal Pisera, 1994, p. 291, Pl. 62, figs. 15.  
Ordovician, Llanvirnian - Ashgillian, Mojcza Limestone. Poland, Holy Cross Mountains

**CUPULOCORONA** Donovan and Paul, 1985. \**C. salopiae* Donovan and Paul, 1985.  
SC. Coronata, O. Coronatida, F. Stephanocrinidae  
Donovan and Paul, 1985, p. 538. Webster, 1988, p. 167. Donovan, Paul, and Lewis, 1996, p. 220.  
Ordovician, Ashgillian; Silurian, Wenlockian. United Kingdom

*Cupulocorona digitalis* Donovan and Paul, 1985, p. 541, Pl. 63, fig. 5; Fig. 7, no. D. Webster, 1988, p. 167. Donovan, Paul, and Lewis, 1996, p. 222, Pl. 41, fig. 5.  
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Ordovician, middle Ashgillian, "Shoeshook Limestone; Redhill beds; Lower *Phillipsinella* Beds; Bolhir Formation. United Kingdom

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Silurian, early Wenlockian, Buildwas Beds. United Kingdom

**MESPILOCYSTIS** Bather, 1889 = **MESPILOCYSTITES**

**MESPILOCYSTITES** Barrande, 1887. \**M. bohemicus* Barrande, 1887.  
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Barrande, 1887, p. 162. Jaekel, 1898a, p. 44. Bassler, 1938, p. 133. Bassler and Moodey, 1943, p. 563. Fay, 1962b, p. 156. Le Menn in Chauvel and Le Menn, 1973, p. 40. Webster, 1973, p. 174. Webster, 1977, p. 110. Fay in Moore and Teichert, 1978, p. T575. Webster, 1986, p. 203. Webster, 1988, p. 167.

*MESPILOCYSTIS* Bather, 1889, p. 269. Bather *in* Lankester, 1900, p. 77. Bassler and Moodey, 1943, p. 563. Fay *in* Moore and Teichert, 1978, p. T575.

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\**Mespilocystites bohemicus* Barrande, 1887, p. 163, Pl. 38, figs. 1-10. Bassler and Moodey, 1943, p. 563. Fay, 1962b, p. 156, Pls. 1-2; Figs. 1-3. Webster, 1973, p. 174. Fay *in* Moore and Teichert, 1978, p. T575, Fig. 370, no. 1. Paul, 1985, p. 22, Figs. 1, nos. a-i; 2, nos. a, d-e; 3. Donovan and Paul, 1985, p. 530, Fig. 3, no. B. Webster, 1986, p. 203. Webster, 1988, p. 167.

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Ordovician. Portugal

*Mespilocystites tregarvanicus* Le Menn *in* Chauvel and Le Menn, 1973, p. 41, Pl. 1, figs. 1-4. Webster, 1977, p. 111. Le Menn *in* Chauvel and Le Menn, 1979, p. 573, Pl. 3, figs. 1-6; Figs. 7-9. Webster, 1986, p. 204. Le Menn, and Loi, 2006, p. 16, Figs. 3, nos. 1-4, 6.

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Ordovician, early Ashgillian, Rosan Formation. Sardinia

**PARACYSTIS** Sjöberg, 1915. \**P. ostrogothica* Sjöberg, 1915.

SC. Coronata, O. Coronatida, F. Stephanocrinidae

Sjöberg, 1915, p. 173. Fay *in* Moore and Teichert, 1978, p. T575. Webster, 1986, p. 229. Webster, 1988, p. 167.

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\**Paracystis ostrogothicus* Sjöberg, 1915. Fay *in* Moore and Teichert, 1978, p.

T575, Fig. 368, no. 2. Donovan and Paul, 1985, p. 530, fig. 3, no. C.

Webster, 1986, p. 229. Webster, 1988, p. 167.

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**RHOMBIFERA** Barrande, 1867. \**R. bohémica* Barrande, 1867.

SC. Coronata, O. Coronatida, F. Stephanocrinidae

Barrande, 1867, p. 175. Barrande, 1887, p. 80. Zittel, 1879, p. 424. Jaekel, 1890, p.

340. Bather, 1900, p. 57. Bassler, 1938, p. 165. Bassler and Moodey, 1943, p.

667.

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\**Rhombifera bohémica* Barrande, 1887, p. 178, Pl. 6, figs. 1-21. Jaekel, 1899b, p. 342, Pl. 10, fig. 8. Bassler and Moodey, 1943, p. 667. Ordovician, D<sub>4</sub>: Czech Republic, Bohemia

*Rhombifera? mira* Barrande, 1887 = \**Stephanoblastus mirus*

**STEPHANOBLASTUS** Jaekel, 1918. \**Rhombifera? mira* Barrande, 1887. SC. Coronata, O. Coronatida, F. Stephanocrinidae  
Jaekel, 1918, p. 110. Jaekel, 1927, p. 4. Bassler, 1938, p. 174. Bassler and Moodey, 1943, p. 686. Fay *in* Moore and Teichert, 1978, p. T575. Webster, 1986, p. 290. Webster, 1988, p. 167. Silurian, Wenlockian - Ludlovian. Czech Republic, Bohemia

\**Stephanoblastus mirus* (Barrande, 1887). Jaekel, 1918, p. 110, Fig. 103. Bassler and Moodey, 1943, p. 686. Fay *in* Moore and Teichert, 1978, p. T577, Fig. 368, no. 3. Paul, 1985, p. 26, Figs. 2, nos. f-h; 4. Donovan and Paul, 1985, p. 530, Fig. 3, no. E. Webster, 1986, p. 290. Webster, 1988, p. 167. *Rhombifera? mira* Barrande, 1887, p. 80, Pl. 31, case 1, figs. 1-5. Bassler, 1938, p. 174. Bassler and Moodey, 1943, p. 686. Silurian, E<sub>2</sub>, Wenlockian - Ludlovian, Liten Formation. Czech Republic, Bohemia

**STEPHANOCRINUS** Conrad, 1842. \**S. angulatus* Conrad, 1842. SC. Coronata, O. Coronatida, F. Stephanocrinidae  
Conrad, 1842, p. 278. Roemer, C. F., 1850, p. 373. Hall, 1851a, p. 212. Burmeister, 1856, p. 243. Dujardin and Hupé, 1862, p. 106. Shumard, 1868, p. 396. Bigsby, 1868, p. 23. Zittel, 1880, p. 436. Miller, S. A., 1889, p. 283. Zittel, 1895, p. 125. Bather *in* Lankester, 1900, p. 145. Wachsmuth *in* Zittel, 1900, p. 137. Weller, S., 1900, p. 150. Grabau, 1901a, p. 153. Grabau, 1901b, p. 153. Delage and Herouard, 1903, p. 377. Springer *in* Zittel, 1913, p. 207. Bassler, 1915, p. 1187. Jaekel, 1918, p. 110. Jaekel, 1927, p. 4. Bassler, 1938, p. 175. Bassler and Moodey, 1943, p. 686. Webster, 1973, p. 244. Webster, 1977, p. 161. Fay *in* Moore and Teichert, 1978, p. T575. Brett *et al.*, 1983, p. 632. Arendt and Rozhnov, 1984, p. 93. Arendt and Rozhnov, 1985, p. 89. Donovan and Paul, 1985, p. 530. Smith, A. B., 1985, p. 162. Webster, 1986, p. 290. Webster, 1988, p. 167. Donovan and Paul, 1993, p. 309. Donovan, Paul, and Lewis, 1996, p.

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Late Ordovician, Ashgillian; Silurian, Wenlockian - Ludlovian: Europe, Russia  
Silurian, Niagaran. United States

- \**Stephanocrinus angulatus* Conrad, 1842, p. 279, Pl. 15, fig. 18. Roemer, C. F., 1850, p. 373, Pl. 5, figs. 1-6. Hall, 1852a, p. 212, Pls. 48, figs. 1a-1m; 85, figs. 1-4. Pictet, 1857, p. 304, Pl. 99, fig. 23. Dujardin and Hupé, 1862, p. 107, Pl. 3, figs. 4-6. Shumard, 1868, p. 397. Bigsby, 1868, p. 23. Roemer, C. F., 1876, Pl. 11, fig. 5a. Zittel, 1880, p. 436, Fig. 310, nos. a-b. Etheridge and Carpenter, 1886, Pl. 19, figs. 8-12. Wachsmuth and Springer, 1887, p. 99, Pl. 4, fig. 3. Miller, S. A., 1889, p. 283, Fig. 433. Zittel, 1895, p. 125, Fig. 237, nos. a-b. Bather *in* Lankester, 1900, p. 97, Fig. 2. Wachsmuth *in* Zittel, 1900, p. 137, Fig. 239, nos. a-b. Grabau, 1901a, p. 154, Fig. 48. Grabau, 1901b, p. 154, Fig. 48. Frech, 1902, Pl. 11, fig. 5a-5b. Gurich, 1908, p. 44, Pl. 12, fig. 8. Springer *in* Zittel, 1913, p. 207, Fig. 308. Bassler, 1915, p. 1187. Wilson, H. E., 1916, p. 509, Pl. 2, fig. 5. Springer, 1926a, p. 139, Pl. 31, figs. 13-16. Bassler and Moodey, 1943, p. 686. Fay, 1961, p. 236, Pl. 1, figs. 1-4. Fay, 1962a, p. 206, Pl. 35, figs. 1-9; Fig. 1. Bolton, 1966, p. 26, Pl. 10, fig. 20. Gupta and Webster, 1971, p. 262, Pl. 39, figs. 6-12. Gupta, 1971, p. 41, Pl. 24, figs. 10-13. Webster, 1973, p. 244. Webster, 1977, p. 161. Ubaghs *in* Moore and Teichert, 1978, p. T181, Fig. 153, no. 1. Fay *in* Moore and Teichert, 1978, p. T575, Figs. 367, no. 1; 368, no. 1. Frest *et al.*, 1983, p. 635, Figs. 1, nos. A-E, I-N; 2; 3; 4, no. A; 5-8. Donovan and Paul, 1985, p. 534, Fig. 3, no. A. Smith, A. B., 1985, p. 162, Pl. 7.3.21. Webster, 1986, p. 290. Webster, 1988, p. 167. Silurian, Niagaran, Rochester Shale, Louisville Limestone. United States, New York, Indiana; Canada, Ontario; United Kingdom Silurian, Naubug beds. India, Kashmir (**Note.** Most Gupta localities are considered fraudulent, Webster, 1991a)

*Stephanocrinus astrovae* Arendt *in* Arendt and Rozhnov, 1984, p. 93, Pl. 8, fig. 1; Fig. 1, nos. a-v. Arendt and Rozhnov, 1985, p. 89, Pl. 8, fig. 1; Fig. 1, nos. a-c.

Webster, 1988, p. 168.

Early Silurian, Wenlockian, Kitaygorod Horizon, Demshinskiye Beds. Russia, Podolia

*Stephanocrinus cornetti* Miller, S. A., 1892a, p. 682. Miller, S. A., 1892c, p. 12, Pl. 2,



figs. 10-12. Miller, S. A., 1894, p. 266, Pl. 2, figs. 10-12. Bassler, 1915, p. 1187.

Bassler and Moodey, 1943, p. 686.  
Silurian, Niagaran, Osgood Shale. United States, Indiana

*Stephanocrinus deformis* Rowley, R. R., 1903a, p. 103, Pl. 32, figs. 22-23.  
Bassler, 1915, p. 1187. Bassler and Moodey, 1943, p. 686.  
Silurian, Niagaran, Osgood Shale. United States, Indiana

*Stephanocrinus elongatus* Miller, S. A., 1891c, p. 24 (adv. pub.). Miller, S. A., 1892a, p. 682. Miller, S. A., 1892b, p. 634, Pl. 6, fig. 5. Bassler, 1915, p. 1187.  
Bassler and Moodey, 1943, p. 686.  
Silurian, Niagaran, Osgood Shale. United States, Indiana

*Stephanocrinus gemmiformis* Hall, 1852a, p. 215, Pl. 48, figs. 2a-2i. Shumard, 1868, p. 397. Bigsby, 1868, p. 23. Hall, 1879a, p. 146, Pl. 14, figs. 15-20. Hall, 1882b, p. 279, Pl. 13, figs. 15-20; Unnum. Fig. p. 279. Miller, S. A., 1889, p. 283. Lesley, 1889, p. 1062, Figs. 16-20. Grabau, 1901a, p. 155, Fig. 49. Grabau, 1901b, p. 155, Fig. 49. Rowley, 1903a, p. 104, Pl. 32, figs. 24-25. Bassler, 1915, p. 1188. Springer, 1926a, p. 140, Pl. 31, figs. 17-19a. Bassler and Moodey, 1943, p. 687. Wilson, C. W., 1948, p. 158, Pl. 25, figs. 16-17. Wilson, C. W., 1949, p. 251, Pl. 25, figs. 16-17. Fay, 1960, p. 256, Pls. 1; 2, figs. 1-8. Webster, 1973, p. 244. Webster, 1977, p. 161. Fay *in* Moore and Teichert, 1978, p. T575, Fig. 368, nos. 1a-1d. Webster, 1986, p. 290.  
Silurian, Niagaran, Rochester Shale; Irondequoit Limestone; Osgood Shale; Waldron Shale; Racine Dolomite. United States, New York, Indiana, Tennessee, Illinois; Canada, Ontario

*Stephanocrinus? gemmiformis* Hall, 1852. Frest *et al.*, 1983, p. 640, Figs. 1, nos. F-H; 4, no. B; 9; 10, nos. A-I. Webster, 1988, p. 168.  
Middle Silurian, Niagaran, Rochester Shale; Waldron Shale; Salamonie Dolomite, Osgood Member. United States, New York, Indiana, Tennessee

"*Stephanocrinus*" *gemmiformis* (Hall, 1852). Paul, 1985, p. 27, Figs. 2, nos. b-c; 5. Webster, 1988, p. 168.  
Silurian, Ludlovian, Kopanina Formation. Czech Republic

*Stephanocrinus hammelli* Miller, S. A., 1891c, p. 25 (adv. pub.). Miller, S. A., 1892a, p.

682. Miller, S. A., 1892b, p. 635, Pl. 6, figs. 7-9. Miller, S. A., 1897, p. 753, Fig.

1395. Bassler, 1915, p. 1188. Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Osgood Shale; Waldron Shale. United States, Indiana, Tennessee

*Stephanocrinus obconicus* Slocum, 1908, p. 281, Pl. 84, figs. 12-13. Bassler, 1915, p. 1188. Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Stephanocrinus obpyramidalis* Miller, S. A., 1891c, p. 24 (adv. pub.). Miller, S. A., 1892a, p. 682. Miller, S. A., 1892b, p. 634, Pl. 6, fig. 6. Bassler, 1915, p. 1188.  
Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Osgood Shale, Waldron Shale. United States, Indiana, Tennessee

*Stephanocrinus osgoodensis* Miller, S. A., 1879, p. 116, Pl. 10, figs. 7-7a. Miller, S. A., 1889, p. 283. Miller, S. A., 1891c, p. 22 (adv. pub.). Miller S. A., 1892b, p. 632, Pl. 6, figs. 1-2. Miller, S. A., 1897, p. 753, Fig. 1396. Weller, S., 1900, p. 151, Pl. 15, fig. 14. Rowley, R. R., 1903a, p. 104, Pl. 32, figs. 26-27. Bassler, 1915, p. 1188. Bassler and Moodey, 1943, p. 687. Fay *in* Moore and Teichert, 1978, p. T575, Fig. 369, no. 1e. Webster, 1986, p. 290.

*Codaster osgoodensis* (Miller, 1879). Wachsmuth and Springer, 1886, p. 217. Bassler, 1915, p. 1188.  
Silurian, Niagaran, Osgood Shale, Racine Dolomite. United States, Indiana

*Stephanocrinus pentalobus* (Hall, 1882) = *Codaster pentalobus* (a blastoid)

*Stephanocrinus pulchellus* (Miller and Dyer, 1878) = *Codaster pulchellus* (a blastoid)

*Stephanocrinus quinquepartitus* Rowley, R. R., 1903a, p. 105, Pl. 32, figs. 31-33. Bassler, 1915, p. 1189. Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Osgood Shale. United States, Indiana

*Stephanocrinus ramsbottomi* Donovan and Paul, 1985, p. 534, Pls. 62, figs. 1, 5-6, 8; 63, fig. 6; Figs. 7, no. A; 8, no. B. Webster, 1988, p. 168. Donovan, Paul, and Lewis, 1996, p. 220, Pl. 41, fig. 6.  
Late Ordovician - ?early Silurian, late Ashgillian - ?early Llandoveryan, Ashgill Shales; St Martin's Cemetery Beds. United Kingdom; Sweden

*Stephanocrinus skiffi* Slocum, 1908, p. 282, Pl. 84, figs. 16-20. Bassler, 1915, p. 1189. Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Racine Dolomite. United States, Illinois

*Stephanocrinus stepanovi* Rozhnov in Arendt and Rozhnov, 1984, p. 96, Pl. 8, figs. 2-4; Fig. 1, nos. d-zh. Rozhnov in Arendt and Rozhnov, 1985, p. 91, Pl. 1, figs. 2-4;  
Fig. 1, nos. d-g. Webster, 1988, p. 168.  
Middle Silurian, Wenlockian, Kitaygorod Horizon, Demshin Beds. Russia, Podilia

*Stephanocrinus tennesseensis* Foerste, 1903, p. 708. Foerste, 1909, p. 99, Pl. 1, figs. 4a-4b. Bassler, 1915, p. 1189. Bassler and Moodey, 1943, p. 687.  
Silurian, Niagaran, Waldron Shale. United States, Tennessee

*Stephanocrinus sensu lato* sp. Donovan and Paul, 1985, p. 537, Pls. 62, fig. 7; 63, fig. 1. Webster, 1988, p. 168.  
Ordovician, Ashgillian, Sholeshook Limestone. United Kingdom

*Stephanocrinus?* sp. *sensu lato* Donovan, Paul, and Lewis, 1996, p. 220, Pl. 41, fig. 2.  
Ordovician, middle Ashgillian, Sholeshook Limestone. United Kingdom

**TORMOBLASTUS** Jaekel, 1927. \**T. bodae* Jaekel, 1927.  
SC. Coronata, O. Coronatida, F. Stephanocrinidae  
Jaekel, 1927, p. 1. Bassler, 1938, p. 185. Bassler and Moodey, 1943, p. 714.  
Fay in Moore and Teichert, 1978, p. T577. Webster, 1986, p. 308.  
Webster, 1988, p. 168.  
Late Ordovician. Sweden

\**Tormoblastus bodae* Jaekel, 1927, p. 6, Pl. 1. Bassler and Moodey, 1943, p. 714. Fay in Moore and Teichert, 1978, T577, Fig. 370, no. 2. Donovan and Paul, 1985, p. 530, Fig. 3, no. D. Webster, 1986, p. 308. Webster, 1988, p. 168.  
Late Ordovician, *Leptaena* Limestone. Sweden

#### IV. INDEX OF HEMISTREPTOCRINOID ECHINODERMS

- HEMISTREPTOCRINUS** Arendt, 1976. \**H. jaekeli* Arendt, 1978.  
 C. Hemistreptocrinoidea, O. Hemistreptocrinida, F. Hemistreptocrinidae  
 Arendt, 1976a, p. 72. Webster, 1986, p. 168.  
 Early Ordovician. Russia
- Hemistreptocrinus babinensis* Arendt and Rozhnov, 1995a, p. 120, Figs, 1-2.  
 Arendt  
 and Rozhnov, 1995b, p. 162, Figs. 1-2. Rozhnov, 2002, p. S626, Fig. 70,  
 nos. a-  
 f. (diagramatic)  
 Early Ordovician, Arenigian, lower subhorizon of Volkhov Horizon. Russia, St.  
 Petersburg Region
- \**Hemistreptocrinus jaekeli* Arendt, 1976a, p. 73, Pl. 1, figs. 1-2. Webster, 1986,  
 p. 168.  
 Early Ordovician. Russia, St. Petersburg Region
- NONPARACTOCRINUS** Arendt, 1976. \**Paractocrinus laevis* Jaekel, 1918.  
 C. Hemistreptocrinoidea, O. Hemistreptocrinida, F. Hemistreptocrinidae  
 Arendt, 1976a, p. 76. Webster, 1986, p. 217.  
 Early - Middle Ordovician. Estonia
- \**Nonparactocrinus laevis* (Jaekel, 1918). Arendt, 1976a, p. 76, Fig. 3. Webster,  
 1986, p. 217.  
*Paractocrinus laevis* Jaekel, 1918, p. 22, fig. 16. Bassler and Moodey, 1943,  
 p. 587. Arendt, 1976a, p. 76. Strimple *in* Moore and Teichert, 1978, p. T758,  
 Fig. 504, no. 1d. Webster, 1986, p. 217.  
 Early - Middle Ordovician. Estonia
- Paractocrinus laevis* Jaekel, 1918 = \**Nonparactocrinus laevis*
- PARORTHOCRINUS** Jaekel, 1918. \**P. liber* Jaekel, 1918.  
 C. Hemistreptocrinoidea, O. Hemistreptocrinida, F. Hemistreptocrinidae  
 Jaekel, 1918, p. 25. Bassler, 1938, p. 146. Bassler and Moodey, 1943, p.  
 593. Arendt, 1976a, p. 77. Strimple *in* Moore and Teichert, 1978, p. T758.  
 Ettensohn, 1984, p. 65, Fig. 1. Webster, 1986, p. 241. Webster, 1988, p.  
 125.  
 Ordovician, Llanvirnian. Russia, Baltic Region
- \**Parorthocrinus liber* Jaekel, 1918, p. 26, Fig. 18. Bassler, 1938, p. 146. Bassler  
 and Moodey, 1943, p. 593 (possibly abnormal). Arendt, 1976a, p. 77, Pl. 1,  
 fig. 2; Fig. 4. Strimple *in* Moore and Teichert, 1978, p. T578, Fig. 504, no. 2.  
 Webster, 1986, p. 241.  
 Ordovician, Llanvirnian. Russia, Baltic Region

**TETRACTOCRINUS** Jaekel, 1918. \**T. compactus* Jaekel, 1918.

C. Hemistreptocrinioidea, O. Hemistreptocrinida, F. Hemistreptocrinidae  
Jaekel, 1918, p. 25. Bassler, 1938, p. 182. Bassler and Moodey, 1943, p.  
708. Arendt, 1976a, p. 79. Etensohn, 1984, p. 65, Fig. 1. Webster, 1986, p.  
303.

Webster, 1988, p. 158.  
Early Ordovician, Llanvirnian. Estonia

\**Tetractocrinus compactus* Jaekel, 1918, p. 26, Fig. 19. Bassler, 1938, p. 182.  
Bassler and Moodey, 1943, p. 708 (possibly abnormal growth). Arendt,  
1976a, p. 80, Fig. 5. Webster, 1986, p. 303.  
Ordovician, Llanvirnian, Wlachow or Kunda Formation. Estonia