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Haas, 1887. - *Aspidosoma petaloides* Leitfossilien. ??? [source Petr]

Haeckel, E.H.1866. Allgemeine Entwicklungsgeschichte der Organismen. In Haekel, E.H. (ed.) General Morphologie der Organismen. Volume 2, 160p. (G.Reimer: Berlin) [vol. 2, p. lxvii, 57, 77]

Haeckel, E. 1896. Systematische Phylogenie. Entwurf eines Natürlichen Systems der Organismen auf Grund ihrer Stammesgeschichte. Zweiter Theil: Systematische Phylogenie der wirbellosen Thiere (Invertebrata). Georg Reimer, Berlin. [p. 487 Ophiodea (=Ophiuroidea)] [p. 495 Order Palophiurae (= Ophioencrinasteriae); SubOrders Allostichia and Zygostichia] [Allostichia: *Taeniaster*, *Ptilonaster*, *Bundenbachia*, *Palaeophiure*, *Eugaster*, *Protophiaster*] [Zygostichia: *Ophiurina lymani*, perhaps also *Ophiohelus*, *Ophiobyrza*, *Ophiogeron*] [Colophiurae (= Autophiuroidea)] [p. 502 SubClass Palaeasterae or Encrinasteriae (= Palaeasteroidea) with *Palasteriscus*, *Aspidosoma*, *Chiropteraster*, *Palaeodiscus*, *Palaeaster*, *Palasterina*, *Schoenaster*, *Palaeocoma*, etc.] [p.503 SubClass Colasteriae or Autasteriae (=Euasteroidea)]

Hagadorn, J. W. 2002. Bear Gulch: an exceptional Upper Carboniferous Plattenkalk. pp. 167-183 in D. J. Bottjer, W. Etter, J. W. Hagadorn & C. M. Tang (eds.) Exceptional fossil preservation: a unique view on the evolution of marine life. Columbia Univ. Press, NY 403 pp.

Hagadorn, J. W., T. E. Whiteley and K. H. Neelson. 2001. 3D imaging of pyritized soft tissues in Paleozoic Konservat-Lagerstätten. GSA Annual Meeting Nov. 2001, Boston. Abstract. [*Urasterella asperula*] [Hunsrück Slate]

Hahn, Gerhard and Carsten Brauckmann. 1981. Ein neuer Ophiuren-Fund aus dem Kulm von Herborn (Asterozoa, Unter-Karbon III α , Hessen). Geologisches Jahrbuch Hessen, 109: 5-18, Wiesbaden. [source Pek & Prokop 1986] [*Chattaster* n.g. (Ophiurinae) includes *C. dillensis* n.sp. and *Lapworthura hueffneri* Schöndorf 1915] [mention of Ophiuroidea gen. et sp. indet E. Schmidt 1930, *Xenura koboldi* Schöndorf 1932, and *Silesiaster longivertebalis* Schwartzbach & Zimmermann 1936]

Hakes, W. G. 1976. Trace fossils and depositional environment of four clastic units, Upper Pennsylvanian megacyclothems, northeast Kansas. The University of Kansas Paleontological Contributions, Article 63. [*Asteriacites* pp. 20-21, Rock Lake Shale Member and Stull Shale Member]

Hakes, W. G. 1977. Trace fossils in Late Pennsylvanian cyclothems, Kansas. In T. P. Crimes & J.

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- C. Harper (eds.), Trace fossils 2: Geol. Journal Spec. Issue 9, Liverpool, Seel House Press, pp. 209-22. [source Hakes 1985; Lawrence Shale Asteriacites quinquefolis] [p. 213, A.q. at locality 3a (measured section) SW¹/₄ SW¹/₄ Sec. 25, T.12S., R.19E.] [from Hakes 1985 Fig. 2 this locality is Douglas County]
- Hakes, William G. 1985. Trace fossils from brackish-marine shales, Upper Pennsylvanian of Kansas, U.S.A. pp. 21-36 in H.A. Curran (ed.) Biogenic structures: their use in interpreting depositional environments. Society of Economic Paleontologists and Mineralogists Special Publication No. 35, 347 pp. [Asteriacites lumbricalis 12-15mm diameter in Rock Lake Shale member of Stanton Limestone, Lansing Group (Missourian stage)] [Asteriacites quinquefolis 15mm in diameter in "Lawrence Shale" member of Lawrence Formation, Douglas Group (Virgilian stage)]
- Halfar, A. 1893. Die erste Asteride aus den palaozoischen Schichten des Harzes. Jahrb. k. preuss. geol. Landesanst. u. Bergakad., Berlin, 1892, vol. 13, pp. 186-199, pl. 10. [*Aspidosoma petaloides* n. var. *goslariensis*, Haupt-Kahlebergsandstein of Goslar, Harz] [*Aspidosoma tischbeinianum*, marginals p. 195]
- Hall, James. 1847. Natural History of New York. Part 6, Paleontology, vol. 1, containing descriptions of the organic remains of the Lower Division of the New York System, 338 pp., 99 pls. [source Golden & Nitecki 1970] [p. 18 and Plate 4 fig. 11 Asterias? (sp. indet) but see Orbigny 1850 p. 22 = Asterias tenuiradiatus = Coelaster tenuiradiatus] [Asterias matutina Hall p. 91 and Pl. 29 fig. 5]
- Hall, James. 1852. Natural History of New York. Part 6, Palaeontology, vol. 2, containing descriptions of the organic remains of the Lower Middle Division of the New York System, 363 pp., 105 pls. [source Golden & Nitecki 1970] [p. 247]. [Palaeaster niagarensis Hall]
- Hall, James. 1859. Natural History of New York. Part 6, Paleontology, volume 3, containing descriptions of the organic remains of the Upper Middle Division of the New York System. p, pls . [p. 134]
- Hall, James. 1861. Descriptions of new species of Crinoidea [from investigations of the Iowa Geological Survey.] Preliminary notice. Printed by C. Van Benthuyzen, Albany, 19 pp. [p. 18: Protaster? barrisi] [= Onychaster]
- Hall, James. 1868. Contributions to palaeontology. 12. Note on the genus Palaeaster and other fossil starfishes; with descriptions of some new species, and observations upon those previously described.--New York State Cabinet of Natural History Twentieth Report: 282-301; revised ed. 1868 = 1870:324-345 + pl. 9. [Also published in advance of Report in 8o, 24 pp., pl. 9, in Nov. and Dec. 1866 as noted under "Scientific Intelligence" in the American Journal of Science and Arts, second series, vol. XLIII, whole number XCIII, no.

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129, p. 409.] [Palaeaster eucharis Hall] [check reference -- is it part 12 or part 14 (fide Petr)]

Hall, James. 1885. Note on the intimate relations of the Chemung group and the Waverly sandstone in northwestern Pennsylvania and southwestern New York. Proc. Am. Ass. Ad. Sci., vol. 33, pp. 416-419. [Paper presented at 33rd mtg in 1884; starfishes on p. 417; specimens in YPM.]

Hall, Townsend M. 1867. On the relative distribution of fossils throughout the North Devon Series. Quart. Journ. Geol. Soc. Lond., vol. 23, pt. I [Proceedings of the Geological Society], pp. 371-381.

Halpern, Jeanne W. 1972. Tracking down fossils at the Museum of Paleontology. Research News, Office of Research Administration, The University of Michigan, vol. XXII, no. 7/8, 14 pp. [Strataster ohioensis figured, anecdote of its discovery, cover & pp. 8, 9.]

Hammann, W. and S. Schmincke. 1986. Depositional environment and systematics of a new ophiuroid, Taeniaster ibericus n. sp., from the Middle Ordovician of Spain.--Neus Jahrbuch für Geologie und Paläontologie Abhandlungen 173:47-74.

Han, Nai-Ren; Zhang, Jia-Zhi; Zhang, Shi. 2004. A new species of Asterozoa from the Middle Devonian of Xiangzhou, Guangxi. Acta Palaeontologica Sinica 43(1), Jan 2004:142-146. [In Chinese with English summary] [ZR 2004] [Devonaster guangxiensis sp. nov., Guannxi Zhuang, Devonian]

Hand, Greg. 1998. Unique collector Bill White dies. -- Dry Dredgers 9/98. Reprinted in Oct-Nov 1998 issue of MAPS DIGEST 21(7-8):3. [□...the crinoid and starfish pocket at Hueston Woods, is now deposited at Miami University]

Hansen, T., D. L. Bruton and S. L. Jakobsen. 2005. Starfish from the Ordovician of the Oslo Region, Norway. Norwegian Journal of Geology 85(3):209-216. [Cnemidactis osloensis n. sp., Elnes Formation (Llanvirn); Stenaster obtusus, Furuberg Fm. (Caradoc)] [Arenig asteroid material from the Leningrad region (fide Rozhnov)] [C? macrodambulacralatas Blake & Guensburg 1993 is undoubted Cnemidactis]

Hansman, Shaw and Pettyjohn. 1962. Supplement to the catalog of the type specimens of fossils in the University of Cincinnati Museum. University of Cincinnati, pp. iii + 131. [Protasterina fimbriata pp. 2, 102; Hexura weitzii p. 46.] [see Jell & Theron 1999 for Hexuraster replacement name]

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- Harland, W. B., et. al., eds. 1967. *The fossil record*. Geol. Soc. London. 828 pp. [source Sepkoski 1982]
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- Harper, John A. 1985 A new look at Eugasterella logani (Hall, 1868) (Stelleroidea: Ophiuroidea) from the Middle Devonian of New York State.--*Annals of Carnegie Museum* 54:357-373.
- Harper, J.A. 1993. Giving the Mississippian/Devonian boundary a facelift. *Pennsylvania Geology* 24(3):9-14. [this changes *Ophiomusium calathospongium* from Mississippian to Devonian]
- Harper, John A. 2014. *Acanthospondylus pennsylvanicus*, a new genus and species of Pennsylvanian eospondylid ophiuroid (Echinodermata: Ophiuroidea) from western Pennsylvania. *Annals of the Carnegie Museum* 82(3):247-255. [N = 1, oral view] [Brush Creek marine zone, Glenshaw Fm., Conemaugh Group, Late Pennsylvanian (Missourian)] [Punxsutawney, PA]

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- Harper, John A., and Helen L. Delano. 2005. Reflections on a Devonian brittle star from the shore of Lake Erie. *Pennsylvania Geology* 35(3/4):2-9 [plus cover illustration; plus explanation of the cover] [encrinasterid, gen. et sp. indet] [weathered concretion from Northeast Shale; calcareous shale slab]
- Harper, John A. and Robert W. Morris. 1978. A new encrinasterid ophiuroid from the Conemaugh Group (Pennsylvanian) of western Pennsylvania, and revision of the Encrinasteridae. *Journal of Paleontology*, vol. 52, no. 1, pp. 155-163 [Armathyraster paradoxus n. g., n. sp.; Armathyrasterinae n. subfam.] [Pennsylvanian Brush Creek Shale, Glenshaw Formation; Punxsutawney, Jefferson County, Pennsylvania]
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- Hattin, D. E. 1967. Permian ophiuroids from Northern Oklahoma. *Jour. Paleont.*, vol. 41, no. 2, pp. 489-492, 3 text-figs., 1 table.
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- Haude, Reimund . 1992. Hertha Sieverts-Doreck. *Jb. Ges. Naturkde. Württemberg* 147: 349-356. [obituary and bibliography; author of some papers on Paleozoic Asterozoa]
- Haude, Reimund . 1995. Echinodermen aus dem Unter-Devon der argentinischen Präkordillere. [Lower Devonian echinoderms from the Precordillera (Argentina)]. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 197(1): 37-86, 16 Abb. [Promopalaeaster? quadriserialis n.sp.; Marginaster yachelensis (Ruedemann), Argentinaster bodenbenderi, Furcaster separatus n.sp.]
- Haude, Reimund . 1996. Fluchversuche verschütteter Holothurien in einer unterdevonischen Echinodermen-Taphozönose. *Terra Nostra* 96/6:48. [L. Devonian asteroids and ophiuroids also present]
- Haude, Reimund . 1998. Die Ophiuren (Echinodermata) aus den Fundschichten Bodenbenders im Unter-Devon der argentinischen Präkordillere. *Terra Nostra* 98/5:65. [eight species. 1) Argentinaster bodenbenderi, 2) “Encrinaster” yachalensis, 3) Furcaster sp., 4) Urosoma? n.sp., 5) Eospondylus? n. sp., 6) “A-ura” n.sp. cf Ophiurinae, 7) “B-ura” n.sp. cf Protasteridae, 8) “C-ura” n.sp. cf Protasteridae]
- Haude, Reimund. 1999. Der-verzögerte-Ersatz eines Homonyms: Marginaster Haude 1995.

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[The delay in replacing a homonym.] N. Jb. Geol. Paläont. Mh. 1999(5):292-294.
[replacement is Marginura. Advocates subfamily Euzonosomatinae for Euzonosoma and Marginura.]

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Haude, Reimund. 2004. Morphology and palaeobiology of echinoderms in the Lower Devonian of the Argentine Precordillera. pp. 417-419 in T. Heinzeller & J. H. Nebelsick (eds.) Echinoderms: München. Taylor & Francis Group, London. xxvi + 633 pp. [includes paleobiologic placement of Argentinaster and an eospondylid] [9 species of ophiuroids, 2 species of asteroid, Talacasto Fm]

Haude, Reimund & F. H. C. Hotchkiss. 2003. Observations on Aganaster gregarius and Stephanoura belgica (Ophiuroidea: Ophiolepididae). Program and Abstracts, 11th IEC, Munich. [see also Hotchkiss & Haude 2004]

Haude, Reimund, and A. F. Sterren. 2007. Biostratigraphy and palaeobiology of echinoderms in the Lower Devonian of the Argentine Precordillera. Field Meeting of the IGCP 499 (IUGS/UNESCO), San Juan, Argentina May 14-22, 2007. Devonian land-sea interaction: Evolution of ecosystems and climate (DEVEC). pp. 78-79. [diversity includes 9 ophiuroid spp., 2 asteroid spp.]

Haude, Reimund and Erich Thomas. 1983. Ophiuren (Echinodermata) des hohen Oberdevons im nördlichen Rheinischen Schiefergebirge.--Paläontologische Zeitschrift 57(1/2):121-142, Stuttgart. [source Pek & Prokop 1986] [good information/drawings of vertebrae of Furcaster, Ophiaulux decheni, and Onychaster ?velbertensis n. sp.] [Protaster ?ubaghsi n. sp.; juvenile Protasteridae; Stephanoura belgica] [listed Reich 2004]

Haude, Reimund and Erich Thomas. 1989. Ein Oberdevon-/UnterKarbon-Profil im Velberter Sattel (Nördliches Rheinisches Schiefergebirge) mit neun Arten von (?)Sostrocrinus (Echinodermata).--Bulletin de la Société belge de Géologie 98(3/4):373-383. [locality of fossil ophiuroids and asteroids mentioned]

Haude, Reimund and Erich Thomas. 1994. Eleutherozoen (Echinodermata) aus dem Unterkarbon von Aprath im Bergischen Land. In C. Hackler, A. Heinrich & E.-B. Krause (eds.), Archäologie im Ruhrgebiet 1994. Geologie, Paläontologie und Vor- und Frühgeschichte Zwischen Lippe und Wupper: 115-132. [Archäologie im Ruhrgebiet (Stuttgart), 2(1994): 115-132] [includes Chattaster hueffneri, Furcaster sp., Stephanoura? sp.]

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- Heddle, D. 1995. The descent of the Asterozoa and the reaffirmation of paxilloidan primitiveness. Pp. 179-183 in Echinoderm Research 1995, Emson, Smith & Campbell (eds.), Balkema, Rotterdam. [mention of somasteroids, Paleozoic asteroids, Siluraster characteri]
- Herringshaw, Liam. 2000. Strange Silurian starfish. [abstract]. The Palaeontological Association Newsletter No. 45, p. 35. [Lepidaster grayi and four new spp., two of which belong to new genera, in the Much Wenlock Limestone] [suggests that multiradiate state has evolved independently more than once in starfish history]
- Herringshaw, Liam. 2001. Lucky for some – 13-rayed Silurian starfish and the origins of multiradiate asteroids. The Palaeontological Association 45th Annual Meeting Abstracts, p. 18 [in The Palaeontological Association Newsletter No. 48.] [Lepidaster grayi, Much Wenlock Limestone Formation, Dudley, England]
- Herringshaw, L. G., M. P. Smith, and A. T. Thomas. 2007. Evolutionary and ecological significance of Lepidaster grayi, the earliest multiradiate starfish. Zoological Journal of the Linnean Society 150:743-754. [list of Paleozoic multiradiate asteroids; includes Lepidasterella; also a Silurian, Ludlow, Australia, unnamed multiradiate]
- Herringshaw, L. G., A. T. Thomas, and M. P. Smith. 2007. Starfish diversity in the Wenlock of England. Palaeontology 50(5):1211-1229. [Hudsonaster? carectum n. sp.; Doliaster brachyactis n.g. n.sp.; Siluraster? ketlyi, Lepidaster grayi, Lepidactis wenlocki, Palasterina orchilocalia n.sp.] [plus mention of other taxa] [p. 1227 separation of MAPP from IMM frame in Lepidaster provides greater oral flexibility and is absent in earlier asteroids] [study for terminology]

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- Hertz, M. 1926. Die Ophiuriden der Deutschen Südpolar-Expedition. -- Deutsche Südpolar-Expedition 19:56pp + 9 plates. [Aganaster gregarius mentioned on p. 54; also Triassic Acrura squamosa; discussion of phylogeny of families of living ophiuroids]
- Hess, Hans. 1955. Die fossilen Astropectiniden (Asteroidea): Neue Beobachtungen und Übersicht über die bekannten Arten. -- Schweizerischen Paläontologischen Abhandlungen 71:1-113 + plates 1-4. [p. 107, fig. 62 Xenaster margaritatus, L. Devonian, p. 107-108]
- Hess, H. 1962. Mikropaläontologische Untersuchungen an Ophiuren: I. Einleitung. Schweizerischen Paläontologischen Gesellschaft. 41. Jahresversammlung, Eclogae geologicae Helvetiae 55(2):595-608.
- Hess, R. 1983. Das Spurenfossil Asteriacites im klastischen Permoskyth (Prebichl-Schichten) der südlichen Admonter Schuppenzone (Ostalpen) und sein paläogeographische Bedeutung. Neues Jahrbuch für Geologie und Paläontologie Monatshefte 1983:513-519. [Wilson & Rigby 2000 suggest latest Permian]
- Hessin, W.A. 2009. South central Ontario fossils: A guide to the ancient marine life of the region. 286 pp. Published by the author in printed book version and in CD-ROM pdf version. [Stelleroidea pp. 249-254] [new images; new locality records; some new taxonomy] [* indicates items on Plate 43 of Quick reference fossil identification plates (supplement to main work, as CD-ROM or as printed book of plates: *Petraster rigidus, *Protopalaeaster narraway, *Macroporaster mattutinus, *Schuchertia stellata, S. laxata, *Salteraster medusa, *S. wilsoni, mention of S. huxleyi, *Stenaster obtusus, *Protaster whiteavesianus, Taeniaster spinosus, T. cylindricus, *T. meafordensis] [cited as not covered: Promopalaeaster, Urasterella, Euzonosoma]
- Hicks, H. 1873. On the Tremadoc rocks in the neighborhood of St. David's, South Wales, and their fossil contents. Quart. Journ. Geol. Soc. Lond., vol. 29, pp. 39-52, pls. 3, 4.
- Hiller, N. & J.N. Theron. 1988. Benthic communities in the South African Devonian. Canadian Society of Petroleum Geologists, Memoir, 14: 229-242.
- Hills, Edwin S. 1929. The geology and palaeontology of the Cathedral Range and the Blue Hills, in North-Western Gippsland. Proceedings of the Royal Society of Victoria, vol. 41 (new series), part II, pp. 176-201, pls. XVII-XVIII, 3 text-figs. [Taeniaster(?) sp. nov. aff. spinosus Billings, Yeringian (Upper Silurian) on p. 179.]
- Hisinger, ?. ????. Lethea Sueca, p. 89, pl. 26, fig. 6. [Source WKS pt. 5, p. 228.] [Hisinger 1837 fide Petr]
- Hoare, R. D. and J. Pojeta Jr. 2006. Ordovician polplacophora (Mollusca) from North America. Journal of Paleontology 80(3)supplement: Paleontological Society Memoir 64, i + 27 pp.

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[p. 26 *Stenaster* cf. *S. obtusus* listed as associated fauna, USGS locality 5101-CO, lower Curdsville Limestone; cites Branstrator 1979]

Hoare, R. D. and M. T. Sturgeon. 1984. Pennsylvanian echinoid pedicellariae. *Journal of Paleontology* 58(3):895-897. [FH comments that their Fig. 1 items H-L are similar to the adambulacral plates of *Umerophiura* in Boczarowski 2001:Fig. 3] [see Coppard et al. (2010 & 2012)]

Hohenstein, P. 2004. X-ray imaging for palaeontology. *The British Journal of Radiology* 77:420-425. [images and practical X-ray methodology] [Fig. 6 of *Taeniaster benecke* is the specimen with tube feet -- see Glass & Blake 2004]

Hope, M.A. 2004. Girvan fossils. Friends of the McKechnie Institute, Girvan, Ayrshire. 48 pp. [pp. 32-34, 36, 38: *Stenaster obtusus*, *Cnemidactis girvanensis*, *Drepanaster grayae*, *Girvanaster sculptus*, *Euzonosoma orbitoides*, *Drepanaster* sp.] [p.5 Juliette Dean]

Horner, John R. & Richard Lund. 1985. Biotic distribution and diversity in the Bear Gulch Limestone in central Montana. *Compte Rendu, Neuvième Congrès Intern. Strat. Géol. Carbonifère*, v. 5, pp. 437-442. (IX-ICC v. 5:437-442) [p. 439 fauna includes starfish; mention only]

Horowitz, A. S. 1991. A fossil site near Sulpher, Indiana (Chesterian, Mississippian). *MAPS Digest Expo XIII issue* (Mid-America Paleontology Society) pp. 61-70. [faunal list compiled from S. M. Kelly 1984 PhD Thesis; includes *Neopalaeaster* sp., *Tremataster* sp.]

Horowitz, A.S., and H.L. Strimple. 1974. Chesterian echinoderm zonation in eastern United States. *Septième Congrès International de Stratigraphie et de Géologie du Carbonifère*, Krefeld, 23-28 August 1971, *Compte Rendu* 3:207-220.

Horowitz, A. S. & J. A. Waters. 1972. A Mississippian echinoderm site in Alabama. *Journal of Paleontology* 46(5):660-665. [Monteagle Limestone, Weatherly Mountain, Madison Co. Diverse crinoid/blastoid/other fauna. Includes *Onychaster* sp. in private collns & in Indiana Univ. collns.]

Hoskins, Donald M. 1964. Fossil collecting in Pennsylvania. *Pennsylvania Geol. Survey 4th ser. Bull. G40* (General Geology Report), 126 pp. [*Hallaster* at Swatara Gap; surrogate rendition.] [see Hoskins, Inners & Harper 1988]

Hoskins, Donald M., Jon D. Inners & John A. Harper. 1988. Fossil collecting in Pennsylvania. *Pennsylvania Geological Survey, General Geology Report 40*, 215 pp. [the 1988 edition is termed the second printing of the third edition of 1983, but actually there are some small differences from the 1983 edition that are mentioned in the preface] [pp. 37-38 *Stelleroidea*] [*Protasterina* on p. 96, locality 21 near Roxbury in Franklin County]

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[Mesopalaeaster and Protasterina on p. 116, locality 29 Swatara Gap in Lebanon County, and p. 198 = plate 2] [what was called Hallaster in the Hoskins 1964 edition is now labeled Protasterina]

Hotchkiss, F. H. C. 1970. North American Ordovician Ophiuroidea. The genus Taeniaster Billings, 1858 (Protasteridae). Proc. Biol. Soc. Wash. (D.C.), vol. 83, no. 5, pp. 59-76, 10 figs.

Hotchkiss, F. H. C. 1974. Studies on Paleozoic ophiuroids and the ancestry of the Asterozoa. Ph. D. dissertation, Yale University, June 1974, vi + 147 pp., 24 pls. Abstract in Dissertation Abstracts International 35 (6)

Hotchkiss, F. H. C. 1976. Devonian ophiuroids of New York State. Reclassification of Klasmura, Antiquaster, and Stenaster into the Suborder Scalarina nov., Order Stenurida.--New York State Museum Bulletin 425:1-39. [synopsis of NY State Paleozoic ophiuroids] [K. macroleura n.sp.][Mastigactis removed from Encrinasteridae to the Protasteridae]

Hotchkiss, F. H. C. 1977. Ophiuroid Ophiocanops (Echinodermata) not a living fossil. J. nat. Hist. 11: 377-380. [Phragmactis grayae from Swatara Gap; lists Stenaster, Rhopalacoma, Antiquaster, Encrinaster, Taeniaster, Hallaster, Furcaster, Argentinaster.] [Platasterias from Panama, = new locality]

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