May 11, 2016

filename bibp.doc

Pabian, R. K. 1974. A Pennsylvanian ophiuroid from southeastern Iowa. Proc. Iowa Acad. Sci. 80. [source Echinoderms Newsletter no. ---]

Pabian, R. K. and H. L. Strimple. 1973. A Pennsylvanina ophiuroid from southwestern Iowa. Iowa Acad Sci. Proc. vol. 80, no. 1, pp. 39-40. [source Harper & Morris, 1978]

Parkes, M. A. and A. G. Sleemman. 1997. Catalogue of the type, figured and cited fossils in the Geological Survey of Ireland. Geological Survey of Ireland. [Petraster kinahani (Baily, 1878) holotype illustrated; two entries] [Carboniferous: Protaster sp. Jukes & Baily 1864; also Pilton Bed starfish cited by WKS 1025 p. 325]

Parks, William Arthur. 1908. Notes on the ophiuran genus, Protaster, with description of a new species. Transactions of the Canadian Institute, Toronto, vol. 8, pp. 363-372, 1 pl.

Parks, W. A. 1913. Excursions in Southwestern Ontario. The Paleozoic section at Hamilton, Ontario. Geological Survey Branch, Department of Mines, Canada, Guide Book, 4:125-142. [source Petr] [Palaeaster niagarensis, Protaster stellifer; ZR ’15]

Patte, E. 1929. Description de fossiles paléozoiques et mésozoiques recueillis par Mm Dussault et Fromaget en extrême-orient. Bull. Serv. geol. Indo-Chine, vol. 18, pp. 1-85, 9 pls. [not seen; Echinoderma at pp. 31, 70; Aspidura? p. 70, pl. viii fig. 7; fide Zoo Rec. '35]

Pattison 1984. – see Reich 2002

Paul, C. R. C. 1976. Palaeogeography of primitive echinoderms in the Ordovician. Pp. 553-574 In M. G. Bassett, ed., The Ordovician System: proceedings of a Palaeontological Assoociation symposium, Birmingham, September 1974. 696 pp. Palaeontological Association, University of Wales Press and Nat. Mus. Wales. [source Sepkoski 1982] [includes Asterozoa and Ophiuroidea]

Paul, C.R.C. 1977. Evolution of primitive echinoderms. Chapter 5, pp. 124-158 *in* A. Hallam (ed.) Patterns of evolution as illustrated by the fossil record. [Developments in Palaeontology and Stratigraphy 5] Elsever Scientific Publishing Company, Amsterdam. 591 pp. [*Platasterias* as somasteroid] [p. 134 Asterozoa protection by spines] [starfish as predators] [Asterozoa as filter feeders, as deposit feeders] [p. 142 inversion] [p. 142 - respiration - oxygen diffuses 1-3 mm, so no special respiratory surfaces needed if small enough] [p. 149 - change from single gonad/gonopore to multiple gonads probably appeared first in Lower Ordovician asteroids] [p. 155 - Bothriocidaris and

Neobothriocidaris add plates differently in ré oculars]

Paul, C.R.C. 1988. Extinction and survival in echinoderms. Pp. 155-170 (chapter 8) *in* G.P. Larson (ed.), Extinction and survival in the fossil record. Systematics Association Special Volume No. 34, Clarendon Press, Oxford. [asteroids and ophiuroids mentioned but not featured] [cf. Twitchell et al. 2005]

Paul, C.R.C. 2009. The fidelity of the fossil record: the improbability of preservation. Palaeontology 52(3):485-489. [p. 487 estimates of probability of preservation of genera per unit time (circa 5 Myr) from Foote & Miller (2007, p. 21) lists asterozoans at 0.25, considered a low value "perhaps reflecting their multi-element skeletons that disintegrate soon after death"] [Foote, M. & Miller, A.I. 2007. Principles of paleontology, 3rd ed., Freeman, NY, xv + 354 pp.]

Paul, C. R. C. & A. B. Smith. 1984. The early radiation and phylogeny of echinoderms. Biol. Reviews 59:443-481. [important paper; they suggest that Echmatocrinus which has 6 to 8 or more arms had a pentameral ancestor; cover plate series in Camptostroma may be related to virgalia in somasteroids and to brachioles in Kinzercystis; similarities between Cambraster and Archegonaster; somasteroids poorly understood; Chinianaster virgalia may be modified cover plate series; somasteroids could derive from an early stem pelmatozoan; Petraster marginal ring has been breached; symmetry and ray homologies discussed; p. 474 the semi-organized cover plates of Camptostroma suggest lateral branches of the radial water vessel; p. 477 Fell's views based on growth gradients are totally rejected; emphasize the asymmetry of echinoderms; regard the evolution of radial symmetry superimposed on a fundamental larval asymmetry as the autapomorphy for the phylum; split between carpoids and true echinoderms = dichotomy within the Dexiothetica; helicoplacoids with 3 ambulacra arranged radially around mouth = most primitive echinoderms]

Pawson, D.L. 2007. Phylum Echinodermata. Pp. 749-764 *in* Zhang, Z.-Q. & W.A. Shear (eds.), Linnaeus Tercentenary: Progress in invertebrate taxonomy. Zootaxa 1668:1-766. [overview of research developments on fossil and extant echinoderm classification] [mention of *Cambraster*, *Xyloplax*, *Lepidaster grayi*, Calliasterellidae, Compsasteridae, Eopentaroida, *Ophiocanops*, *Stenaster*]

Peach, B. N. and John Horne. 1899. Upper Silurian rocks of the Pentland Hills. Pp. 589-606. *In* The Silurian rocks of Britain. Vol. I. Scotland. Memoirs of the Geological Survey of Great Britian, Her Majesty's Stationary Office, Edinburgh. xviii + 749 pp., 27 pls., map, text-figs. [Gutterford Burn starfish bed] [see Mykura & Smith] [see Lamont] [source Petr]

Peach, B. N. and John Horne. 1910. The Silurian rocks. Pp. 10-18. *In* Peach, B.N. et al., The geology of the neighborhood of Edinburgh. (Sheet 32, with part of 31). 2nd edition. Memoirs of the Geological Survey, Scotland. Her Majesty's Stationary Office, Edinburgh.

[source Petr]

Pearse, A. S. 1936. Zoological names. A list of phyla, classes, and orders. Prepared for Section F, American Association for the Advancement of Science. [Duke University] Durham, North Carolina. [Asterozoa; Asteroidea w/ 3 classes; Ophiuroidea Norman 1865; subclass Aegophiurida Matsumoto 1915; Lysophiurida Matsumoto 1913; sublass Myophiurida Matsumoto 1915; Ophiocystiida HLC mss; Aganasterida HLC mss; Phrynophiurida Matsumoto; etc]

Pearse, A. S. [editor]. 1947. Zoological names. A list of phyla, classes, and orders. Prepared for Section F, American Association for the Advancement of Science. [Duke University] Durham, North Carolina. 22 pp. Second edition. [First edition was 1936] [second edition has preface indicating unspecified changes] [pp. 10-11 Echinodermata] [Asterozoa & Echinozoa] [Lysophiurida Matsumoto 1913] [Aganasterida HL Clark 1939]

Pearse, A. S. 1949. Zoological names. A list of phyla, classes and orders. Fourth edition. 24 pp. Zoology Department, Duke University, Durham, NC. [source Blackwelder 1963]] [pp. 10-11 Echinodermata] [Asterozoa & Echinozoa] [Lysophiurida Matsumoto 1913] [Aganasterida HL Clark 1939]

Pek, Ilja and Rudolf J. Prokop. 1986. Furcaster? moravicus sp. n. (Ophiuroidea) from the Moravice Formation (Lower Carboniferous, Moravia). Časopis Slezského Muzea (Opava), Series A, 35: 17-19, plate opposite p. 20. [ZR 1987/88: Cas Slezskeho Muz Ser A Vedy Prir 35(1):17-19] [source Petr]

Pek, Ilja and Jan Zapletal. 1988. Further ophiuroid find in Culm sediments in North Moravia. Časopis Slezského Muzea (Opava), Series A, 37: 191-192. [source Petr] [Furcaster? sp., two isolated arm tips; ?Upper Devonian Famennian Stage -- Lower Carboniferous Tournaisian Stage]

Perner, Thomas. (no date). Fossilien aus den Dachschiefern von Bundenbach. Perner Fossilienmuseum, Bad Homburg v.d. Höhe, Heft 1, 20 pp. [photos of Urasterella, Loriolaster, Furcaster, Euzonosoma, Eospondylus, Medusaster, Helianthaster, Encrinaster]

Perry, J.A., A. Glass, B. Kues and L. Ely. 2007. Observations on new Late Paleozoic brittle stars (Echinodermata, Ophiuroidea) from New Mexico and Texas [Abstract]. Geological Society of America, Cordilleran Section, 103rd Annual Meeting (4-6 May 2007). GSA Abstracts with Programs 39(4):3. [Ophiurinidae n. sp., Upper Mississippian, Helms Fm., west Texas] [Ophiurinidae n. sp., Mississippian, Rancheria Fm., San Andres Mountains, New Mexico] [Furcasteridae sp., Lower Permian, Hueco Group, Robledo Mountains, New Mexico]

May 11, 2016

Petr -- [see also Kacha & Petr 1996; Mikulis, Petr & Prokop 1995]

Petr, Václav. 1988. A notice on the occurrence of Bohemura Jahni Jaekel, 1903 (Echinodermata, Ophiuroidea) in the Bohemian Middle Ordovician. Věstník Ústředního ústavu geologického, vol. 63, no. 1, pp. 35-38, pls. I - IV. [specimens from Zahorany Formation and Letna Formation; interesting details of Protasterid morphology including: meandering furrows on madreporite, pathological deformation of mouth angle plates, disc spines and granulation, and "four pairs of distinct granules in the aboral depression of each ambulacral ossicle" possibly "for gonad attachment", recalling Ophiocanops, and "very probably, the deep furrows on the aboral surface of ambulacral ossicles in Paleozoic brittle-stars served for accomodation of lateral channels of aboral coelom housing the gonads".]

Petr, Václav. 1989a. Revision of morphology and ecology of Bohemura jahni Jaekel, 1903 (Ophiuroidea, Protasteridae) from Bohemian Middle Ordovician. Sbornik Narodniho Muzea v Praze, Acta Musei Nationalis Pragae, XLV B (1989), No. 1, pp. 1-20, plates I-V. [redescription of B. jahni from type and other material; new diagnosis of Bohemura; new conclusions on the ecology and feeding behavior of B. jahni] [the nomen nudum Asterias Bohemica Barrande MS in Bigsby 1868:197 is B. jahni; accepts B. primaeva; rejects or questions the generic assignment of B. groomi Spencer 1934, B. granifer (Whidborne 1898) and B. constellata (Thorent 1838)] [laterals that could cover the madreporite are bent away from it (exposing it) and in life they may have been used to move water past the madreporite] [integument did not cover the oral face of the arms (covered only the aboral surface)] [believed to have been smothered in burrows, some living oral side up, others oral side down, with one or two arms (not five) reaching up to the surface of the sediment] [examples are preserved in the act of feeding on carrion stele of solutan carpoid and carrion conulariid; scavenger on large-sized dead animals brought by bottom currents over the burrow] [trilobite competitors are conspicuously absent; possibly a repellent mucous was secreted by the ophiuroid podia]

Petr, Václav. 1989b. Two new species of brittle-stars (Ophiuroidea, Protasteridae) from the Upper Ordovician of Bohemia. Sbornik Norodniho Muzea v Praze, Acta Musei Nationalis Pragae, XLV B (1989), No. 2, pp. 61-71, plates I - IV. [describes Taeniaster bohemicus n. sp. and Klarasterina klara n. gen., n. sp., from the Bohdalec Formation; holotype of T. bohemicus was previously figured by Prantl, 1948:173, as Bohemura jahni; from preservation/posture infers current action on the arms and epifaunal habitat (reference to von Koenigswald, 1930)]

Petr, V., R.J. Prokop, M. Mihaljevic and O. Šebek. 1997. Chemical composition of the crinoidal skeletal remains (Echinodermata) in weathered limestones of the Bohemian Lower Devonian (Barrandian area). Journal of the Czech Geological Society 42(1-2):41-58. [introduction mentions Asteroidea and Ophiuroidea in the Barrandian “white beds”]

Philip, G. M. 1965. Ancestry of sea-stars. Nature, vol. 208, no. 5012, pp. 766-768.

Phleger, Fred B. Jr. 1936. An Ordovician auluroid from California. Bull. California Acad. Sci., vol. 35, pt. 2, pp. 82-83, 2 figs. [see Wilson & Bing 1970]

Pictet, F.-J. 1857. Traité de Paléontologie ou Histoire naturelle des animaux fossils consideres dans leurs rapports zoologiques et geologiques. Second edition. Paris: J.-B. Baillière et Fils. [treats many spp. including Forbes, Hall, Orbigny, etc.]

Pinna, Giovanni. 1972. The world of fossils. [The world of nature]. Bounty Books [Division of Crown Publishers] NY. [originally published in English as "The dawn of life"] [adapted from the original Italian "Fossili Invertebrati"] [p. 113 Euzonosoma sp., Bundenbach] [p. 114 Furcaster paalaeozoicus, Bundenbach, "the position of the arms indicates ...a strong current flowing from the left" (three aligned individuals with disk upstream and arms downstream]

Pisera, Andrzej. 1994. Echinoderms of the Mójcza Limestone. -- Palaeontologia Polonica No. 53, pp. 283-307, pls. 59-67. [asteroid and ophiuroid isolated ossicles, ambs, adambs, mouth plates, Salteraster abactinals, cf. Taeniaster, cf. Neopalaeaster] [south of Kielee, Holy Cross Mountains, southern Poland]

Pope, J. P. 2012. Description of Pennsylvanian units, revision of stratigraphic nomenclature, and reclassification of the Morrowan, Atoken, Desmoinesian, Missourian, and Virgilian stages in Iowa. Iowa Department of Natural Resources, Iowa Geological and Water Survey, Special Report Series No. 5. [p. 59 -- ophiuroid, Bethany Falls Limestone member, Swope Ls. formation, Bronson group, Missourian Stage, at Winterset]

Poropat, Rick. 1994. Missouri locality destroyed. MAPS Digest 17(5):2. [May 1994 issue.] [I-44/I-270 interchange near St. Louis, Mo; rescued hundreds of crinoids as well as edrioasteroids, brittle stars, conularia, Archimedes]

Prandtl, F. 1948. Zapomenuta kapitola z □eské paleontologie. Chvilky v p⊆írod□, Praha, pp. 170-174. [the specimen of Bohemura jahni figured on page 173 is reidentified by Petr, 1989b, as Taeniaster bohemicus n. sp.] [ref not seen by FH]

Prokop, Rudolf J. 1965. T⊆ída Stelleroidea Lamarck, 1816 - Hv□zdýši In Systematická paleontologie bezobratlých, Zden□k Spinar a kol, Academia Nakladatelství □eskoslovenské Akademie V□d, Praha, pp. 870-878, figs. XI-87 to XI-94. [Stelleroidea. In: Z. Spinar et al., Systematicka paleontologie bezobratlych. 870-878; source Prokop 1985]

Prokop, Rudolf J. 1985. Revision of Hypophiura Jaekel, 1923 (Ophiuroidea) from the Bohemian Lower Ordovician (Llandeilo). Casopsis pro mineralogii a geologii, roc. 30, c. 2, pp.

205-208, pls. I-II. [Ataxaster pygmaeus nomen nudum = Hypophiura tentatrix (objective synonym); Hypophiura maintained as a genus distinct from Hallaster□

Prokop, Rudolf. 1989. Zkamenělý svět. [Somasteroidea p. 214; Asteroidea p. 215; Ophiuroidea pp. 216-219]

Prokop, R. J. 2003. Investigation of echinoderms of the Koněprusy Limestone (Lower Devonian, Pragian) in the Barrandian area (Czech Republic) – II. [In Czech]. Zprávy o geologických výzkumech v roce 2002 [Geoscience Research Reports for 2002]. pp. 141-142. Česká geologická služba, Praha. [divides 71 taxa of echinoderems of Koněprusy reef fauna into (A) reef core dwellers, (B) core and talus dwellers, and (C) detritic bottom of the reef talus dwelleres] [so far one asteroid and three ophiuroid taxa and all in group C]

Prokop, R. J. & V. Petr. 1999. Echinoderms in the Bohemian Ordovician. -- Journal of the Czech Geological Society 44(1-2):63-68. [complete tables of all species and stratigraphic locations] [major bibliography]

Prokop, R. & V. Petr. 2002. Survey of echinoderms and a new ophiocistioid Branzoviella talpa gen. et sp. n. (Echinodermata, Ophiocistioidea) in the Lower Devonian, Lochkov Formation of the Barrandian area, Czech Republic. Bulletin of the Czech Geological Survey 77(3):237-240. [includes Table of echinoderm species in the Lochov Fm; Asteroidea indet; Cheiropterasteridae; Ophiuroidea indet]