

July 11, 2010

filename bibb.wpd

- Bade, Brian. 1999. Microfossils of the Silica Shale Formation. MAPS Digest [Expo XXI edition] 22(4):120-129.[p. 121 starfish ossicles found]
- Bagg, Rufus M. 1927. Fossil starfishes in the Galena limestone of Wisconsin, p. 227 in Proceedings of the Eighteenth Annual Meeting of the Paleontological Society, held at Madison, Wisconsin, December 27-29, 1926, R. S. Bassler secretary. Bull. Geol. Soc. America 38(1): 219-244. New York, published by GSA. [Hudsonaster sp.] [described by Jeanette Jones 1935 as H. narrawayi var. mackvillensis n. var.]
- Baillie, P. 1979. Stratigraphic relationships of Late Ordovician to Early Devonian rocks in the Huntley Quadrangle, south-western Tasmania.--Papers and Proceedings of the Royal Society of Tasmania 113:5-13. [source Jell & Baillie 1984] [record of asterozoan] [identified as Stenaster obtusus by Jell & Baillie 1984]
- Baily, William Hellier. 1865. Palaeontological notes. pp. 18-30 in G. V. Du Noyer, Explanation to accompany Sheets 167, 168, 178, and 179 of the Maps, and Sheet 13 of the Longitudinal Sections of the Geological Survey of Ireland, illustrating part of the Counties of Waterford, Wexford, Kilkenny, and Tipperary. Mem. Geol. Surv. Ireland, 94 pp. [pp. 21, 28: Palaeaster obtusus listed.]
- Baily, William Hellier. 1878. In Kinahan, G. H. 1878. Manual of the Geology of Ireland. Keegan Paul, London. [see pp. xv, 26, pl. 2 fig. 1] [Palasterina kinahani described] [reclassified as Petraster (see Parkes & Sleeman 1997) (see Brück & Vanguetaine 2004)]
- Baily, William Hellier. 1878. Explanatory Memoir to accompany Sheet 34 of the map of the Geological Survey of Ireland. Mem. Geol. Survey.
- Baily, William Hellier. 1879. Palaeontological notes. Expl. Mem. Sheets Nos. 169, 170, 180, and 181 of the map of the Geological Survey of Ireland. Mem. Geol. Surv. Ireland.
- Bambach, R. K. 1985. Classes and adaptive variety: the ecology and diversification in marine faunas through the Phanerozoic. Pp. 191-253 [chapter 6] In J. W. Valentine (ed.), Phanerozoic diversity patterns: profiles in macroevolution. Princeton University Press. 441 pp. [Stelleroidea on pp. 230-231]
- Barrois, C., P. Pruvost and G. Dubois. 1920. Observations sur la faune des Schistes de Mondrepuits. [Appendice a Gosselet, Journal et alii "Description de la Fauna Siluro-Devonienne de Lievin"] Mémoires de la Société Géologique du Nord 6(2):151-161. [source Petr in lit.]

July 11, 2010

- Bartels, C., D. E. G. Briggs and G. Brassel. 1998. The fossils of the Hunsrück Slate: Marine life in the Devonian. Cambridge Palaeobiology Series, 3. Cambridge University Press. [source Petr in lit.]
- Bartels, C., H. Lutz, W. Blind & A. Opel. 1997. Schatzkammer Dachschiefer: Die Lebenswelt des Hunsrückschiefer-Meeres. [Bild katalog zur Sonderausstellung im Naturhistorischen Museum Mainz]. Mainz and Bochum [Landessammlung für Naturkunde Rheinland-Pfalz, Mainz] and [Deutsches Bergbau-Museum Bochum]. [very many excellent photos including Eospondylus, Kentrospondylus and Protasteracanthion]
- Bartels, C., M. Wuttke & D. E. G. Briggs. 2002. The Nahecaris Project: Releasing the marine life of the Devonian from the Hunsrück Slate of Bundenbach (SW Germany). Preliminary results and unresolved questions. *Metalla* (Bochum) 9.2:59-72. [p. 62 ophiuroids preserved tube feet]
- Basedow, H. H. 1909. Beiträge zur Kenntniss der Geologie Australiens. I. Skizz der geologischen Entwicklung des australischen Festlands. *Zeitschr. deutsch. geol. Ges.* 61 1909: 306-353. [Victoria, Australia; Ophiuroidea, Asteroidea; Silurian. Zoo. Rec. for 1909.]
- Bassett, D. A., H. B. Whittington and Alwyn Williams. 1966
- Bassett, Michael G. 1975. Bibliography and index of catalogues of type, figured, and cited fossils in museums in Britain. *Palaeontology* 18(4): 753-773. [Paleozoic asteroids, ophiuroids, stelleroids, indexed p. 764.] [source: original]
- Bassler, R. S. 1911. quoted in Watson & Powell 1911 p. 44. [identifies Protaster? sp. from Arvonian Slate.] [see Kolata & Pavlides 1986]
- Bassler, Ray. S. 1915. Bibliographic index of American Ordovician and Silurian fossils. Smithsonian Institution, USNM Bull. 92.
- Bassler, R. S. 1919. Systematic paleontology of the Cambrian and Ordovician deposits of Maryland. 373 pp. Maryland Geological Survey, Baltimore, [source Petr in lit.]
- Bather, F. A. 1893. The Crinoidea of Gotland. Part I. The Crinoidea Inadunata. *Kongl. Svenska Vetenskapsakademiens Handlingar* 25(2): ?? . [p. 16 reports a Palaeaster and a fine ophiuroid from the Wenlock or Ludlow; source Christine Franzen.]
- Bather, F. A. 1898-1908. Studies in Edrioasteroidea. *Geol. Mag.* dec. 4, vols. v, vi; dec. 5, vol. v.

July 11, 2010

- Bather, F. A. 1899. The horizon of Dinocystis barroisi. Geol. Mag., new series, dec. IV, vol. VI, pp. 134-136. [March 1899] [p. 135: the "asterie" mentioned by Murlon (1875) belonging to Prof. Malaise is a specimen of Protaster decheni Dewalque.]
- Bather, F. A. 1900. A Treatise of Zoology (E. Ray Lankester, ed.), Part III The Echinoderma. [by F. A. Bather assisted by J. W. Gregory and E. S. Goodrich] 344 pp. Adam & Charles Black, London
- Bather, F. A. 1901. What is an echinoderm? Journ. London Coll. Sci. Soc. vol. viii, pp. 21-33.
- Bather, F. A. 1904. [note on echinoderms in H. Fox 1904] [see Zoo. Rec. for 1904] [Ophiurina here; but see Bather 1905]
- Bather, F. A. 1905. Sympterura Minveri, n. g. et sp.: a Devonian Ophiurid from Cornwall. Geol. Mag., dec. 5, vol. 2, pp. 161-169, pl. 6. ALSO Trans. R. Geol. Soc. Cornwall, vol. 13, pp. 71-85, pl. 2, pp. 161-169.
- Bather, F. A. 1907. Australian Paleontologists on Silurian Ophiuroids. Geol. Mag. (5) vol. iv, pp. 313, 314.
- Bather, F. A. 1909. Triassic echinoderms of Bakony. Result wissenschaft. Erforsch. Balatonsees, Bd. i, Pal. Anhang, Budapest.
- Bather, F. A. 1911. Echinoderma. In Encyclopaedia Britannica, ed. 11, vol. viii, pp. 871-882.
- Bather, F. A. 1913. Caradocian Cystidea from Girvan. Trans. Roy. Soc. Edinburgh, vol. xlix, pp. 359-529.
- Bather, F. A. 1915. (Review of) C. Schuchert. Revision of Paleozoic Stellerioidea, with special reference to North American Asteroidea. The Geological Magazine, decade VI, vol. II, no. 615, pp. 425-426. [Check paging (p. 320) (p. 318).]
- Bather, F. A. and W. K. Spencer. 1934. A new Ordovician echinoid from Girvan, Ayrshire. Ann. Mag. Nat. Hist. (10) 13, p. 557. [Check to see if relations to Asterozoa are discussed].
- Beane, B. H. 1934. Some recent Iowa finds of Carbonic Echinodermata (abstract). Pan-Am. Geologist, vol. 62, no. 2, p. 139.
- Becker, G. & - Weigelt, H. 1975. Neue Nachweise von Ophiuroidea im Rheinischen Schiefergebirge. Notizbl. hess. L.-Amt Bodenforsch. 103, pp. 5-36. Wiesbaden. [source V. Petr]

July 11, 2010

- Beljajeva, N. G. 1983. Morfologija i terminologija skeleta morskih zvezd. Paleontologičeskij Zhurnal (AN SSSR, Moskva) 1983(4):55-67. [source Petr in lit.]
- Bell, C. M. 2004. Asteroid and ophiuroid trace fossils from the Lower Cretaceous of Chile. *Palaeontology* 47(1):51-66. [Ord, Carb, Triassic, Jurassic] [asteroid & ophiuroid makers] [Ophioichnus aysenensis n.g. n.sp.]
- Bell, F. J. 1892. A contribution to the classification of Ophiuroids, with descriptions of some new and little-known forms. *Proc. Zool. Soc. London for 1891*, pp. 175-183, pls. 11, 12. [Source WKS p. 332 re Onychaster].
- Bell, K. 1991. Fossil pedicellariae.--Fossil Collect No. 34 1991:27-29, illustr. [source ZR 1990/1991] [not seen] [per ZR: Lower Devonian, Victoria, records of pedicellariae, Asteroidea & Echinoidea] [7/24/95 asked DLP for help]
- Benner, J. 1937. Euzonosoma tischbeinianum (F. Roemer) Ech. Ast. aus dem Unter-Koblentz des Taunus. *Senckenbergiana* 19, 117-125. Frankfurt am Main. [source V. Petr]
- Bergström, Jan. 1973. Palaeoecologic aspects of an Ordovician Tretaspis fauna. *Acta geologica polonica* vol. 23, no. 2, pp. 179-206. [p. 184 intact arm of asterozoan] [quarry at Skultorp, Västergötland, south-central Sweden] [Ulanda Mudstone] [Regnell 1960 p. 174 mentions an undescribed asterozoan from the Upper Ordovician Tretaspis beds in Vestrogothia (=Västergötland)] [see also Cocks & McKerrow 1978 (1981 paperback) p. 90-91]
- Bergström, J. 1990. Hunsrück Slate. Pp. 277-279 in D. E. G. Briggs & P. R. Crowther (eds.) *Palaeobiology: a synthesis*. 583 pp. Blackwell Scientific Publ., Oxford, London, Edinburgh, Boston, Melbourne. [Fig. 1A and text, single arm of an undescribed new somasteroid]
- Bergstrom, Stig M., John Riva and Marshall Kay. 1974. Significance of conodonts, graptolites and shelly faunas from the Ordovician of Western and North-Central Newfoundland. *Canadian Journal of Earth Sciences*, vol. 11, no. 12, pp. 1625-1660. [p. 1629, Stenaster salteri in Lourdes limestone].
- Berry, C. T. 1939. Little-known fossils (Ophiuroidea). *Sci. Monthly*, vol. 48, no. 5, pp. 415-419.
- Berry, C. T. 1939. Ophiomusium calathospongium from the Mississippian of Pennsylvania. *Notulae Naturae, Acad. Sci. Philadelphia*, no. 24.
- Bertling, R. 2003. Seestern aus Gotland. *Fossilien* 20(5):259. [Palasterina antiqua Hisinger]

July 11, 2010

- Bigsby, John J. 1868. *Thesaurus Siluricus*. The flora and fauna of the Silurian period, with addenda (from recent acquisitions). pp. lii, 214, plate. John Van Voorst, Paternoster Row.
- Bigsby, John J. 1878. *Thesaurus devonico-carboniferus*. 447 pp. London.
- Billings, Elkanah. 1857. New species of fossils from the Silurian rocks of Canada. In Report for the year 1856, of E. Billings, Esq., Paleontologist, addressed to Sir William E. Logan, Provisional Geologist. Geological Survey of Canada, Report of Progress for the years 1853-54-55-56. Printed by order of the Legislative Assembly. Toronto: printed by John Lovell. pp. 256-345. [Check pagination: Palaeocoma cylindrica, p. 232; check p. 209].
- Billings, Elkanah. 1858. On the Asteriadae of the Lower Silurian rocks of Canada. Geological Survey of Canada, Figures and Descriptions of Canadian Organic Remains, decade III, pp. 75-85, 1 diagram, 1 figure, pl. VIII, IX, X. Montreal: printed by John Lovell.
- Billings, Elkanah. 1860. Description of a new Palaeozoic starfish of the genus Palaeaster, from Nova Scotia. *Canadian Nat. and Geol.*, vol. 5, pp. 69-70, fig. [P. parviusculus]
- Billings, Elkanah. 1863. A catalog of the Lower Silurian fossils of Canada. *Geol. Survey Canada Rept. Progress to 1863*, pp. 936-956.
- Billings, Elkanah. 1865. *Palaeozoic fossils*, vol. 1. *Geol. Surv. Canada*, p. 393.
- Biron & Dutuit. 1982. *Bulletin Mus. natn. Hist. nat. Paris (Sci. Terre Paleont. Geol. Miner.)* 3(4):410. –t Rept. (Ichnites). [Pentichnus]
- Bjork, Philip R., Paul S. Goldberg & Robert V. Kesling. 1968. Mouth frame of the ophiuroid Onychaster.--Contributions from the Museum of Paleontology, The University of Michigan [Ann Arbor] vol. 22, no. 4, pp. 45-60.
- Bjork, P. R., P. S. Goldberg and R. V. Kesling. 1968. New ophiuroid from Chester Series (Mississippian) of Illinois. *Jour. Paleont.*, vol. 42, no. 1, pp. 197-200, pl. 43, 1 text-fig.
- Black, R. M. 1973. *The elements of palaeontology*. Cambridge University Press. [p. 140 Lapworthura miltoni]
- Blackwelder, R. E. 1963. *Classification of the Animal Kingdom*. Southern Illinois Press, Carbondale, Illinois. 94 pp. [p. 61 classes Somasteroidea, Asteroidea, Auluroidea, Ophiuroidea – one subclass Myophiurida – fourteen orders including Aganasterida] [orders of ophiuroids from Boettger 1952 except for removal of Auluroidea] [see also Pearce 1947]

July 11, 2010

- Blainville, H. M. de 1830. Zoophytes. Dictionnaire des sciences naturelles. 631 pp. F. G. Levrault, Paris. [source Petr in lit.]
- Blake, D. B. 1967. Pre-burial abraision of articulated asteroid skeletons. *PaleoBios* (Berkeley) 2:1-4.
- Blake, D. B. 1967. Skeletal elements in asteroids. Geological Society of America, Special Paper 115:15-16. [source Petr in lit.]
- Blake, D. B. 1972. Sea star Platasterias: ossicle morphology and taxonomic position. *Science* (AAAS) vol. 176, no. 4032, pp. 306-307, figs. 1, 2. [Platasterias is reclassified from the Somasteroidea to the Luidiidae; Archegonaster pentagonus illustrated (from WKS 1961)]
- Blake, D. B. 1973. Ossicle morphology of some Recent asteroids and description of some West American asteroids. University of California Publications in Geological Sciences, vol. 104, 59 pp., 19 pls. [Platasterias removed from Somasteroidea; p. 21 contrasted with Archegonaster]
- Blake, D. B. 1980. Post-Paleozoic Asterozoa. University of Tennessee, Department of Geological Sciences, Studies in Geology 3:200-214. ["Echinoderms: notes for a short course" T. W. Broadhead & J. A. Waters (eds.) at GSA in Atlanta, GA November 1980]
- Blake, D. B. 1982. Somasteroidea, Asteroidea, and the affinities of Luidia (Platasterias) latiradiata. *Palaeontology*, vol. 25, part 1, pp. 167-191, pls. 20-22.
- Blake, D. B. 1982. Recognition of higher taxa and phylogeny of the Asteroidea. Pp. 105-107 in J. M. Lawrence (ed.) Proceedings of the International Echinoderm Conference, Tampa Bay, 14-17 September 1981. A.A. Balkema, Rotterdam. [relation of Paleozoic to post-Paleozoic stocks]
- Blake, D. B. 1983. Some biological controls of the distribution of shallow water sea stars (Asteroidea, Echinodermata). *Bulletin of Marine Science* 33:703-712. [source Petr in lit.]
- Blake, D. B. 1983. Fossil sea-stars [abstract]. *Bulletin of Marine Science* 33:777. [source Petr in lit.]
- Blake, D. B. 1987. A classification and phylogeny of post-Palaeozoic sea stars (Asteroidea: Echinodermata). *J. Nat. Hist.* vol. 21, pp. 481-528. [Calliasterella; characters/differences of Paleozoic versus post-Paleozoic taxa]
- Blake, D. B. 1988. Paxillosidans are not primitive asteroids: A hypothesis based on functional considerations. pp. 309-314 in *Echinoderm Biology* [Proc. 6th International Echinoderm Conference, Victoria, B.C., 23-28 August 1987], edited by R. D. Burke et al. A.A.

July 11, 2010

Balkema, Rotterdam. [structure of Paleozoic versus post-Paleozoic taxa; *Ampullaster ubaghshi*, *Salteraster grandis*, *Calliasterella*]

- Blake, D. B. 1989. Asteroidea: Functional morphology, classification and phylogeny. Pp. 179-223 In M. Jangoux & J.M. Lawrence (eds.) Echinoderm studies. Volume 3. A.A. Balkema, Rotterdam, 383 pp. [*Petraaster speciosus*, *Xenaster margartatus*, *Salteraster* cf. *S. grandis*, *Calliasterella americana*, undetermined multiradiate USNM 385016 (= *Lacertasterias elegans* Blake & Guensburg 1989)] [pp. 195-196 group 4 multiarmed body form discussed] [p. 197 ancestry *Cambraster*, *Archegonaster*, *Chinianaster*, *Platanaster*] [Table 2 (p. 212) morphological survey of Paleozoic Asteroid orders]
- Blake, D. B. 1990. Paleobiological implications of some Upper Ordovician juvenile asteroids (Echinodermata). *Lethaia*, vol. 23, pp. 347-357. [juvenile *Promopalaeaster finei* describes p. 351 primary ring of five radial and five interradial ossicles; difficult to interpret within the ring but "seems to contain about three ossicles; a single enlarged central cannot be recognized"; terminal plates present] [morphology of *Macroporaster matutinus*]
- Blake, D. B. 1990. Adaptive zones of the class Asteroidea (Echinodermata). *Bulletin of Marine Science* 46(3):701-718. [adaptive zones similar to those seen today apparently were occupied by Paleozoic species (extinct stem group)]
- Blake, D. B. 1990. Hettangian Asteroidea (Echinodermata: Asteroidea) from southern Germany: taxonomy, phylogeny and life habits. *Paläont. Z.* vol. 64, no. 1/2, pp. 103-123. [photo & extensive discussion of feeding/posture of *Calliasterella americana*][phylogenetic cladogram hypothesis shows late Paleozoic origin for modern starfish/*Calliasterella*]
- Blake, D. B. 1991. Echinodermata [sea stars]. McGraw-Hill Yearbook of Science and Technology 1991. [origins; Paleozoic evolution; post-Paleozoic evolution]
- Blake, D. B. 1994. Re-evaluation of the Palasteriscidae Gregory, 1900, and the early phylogeny of the Asteroidea (Echinodermata).--*Journal of Paleontology* 68:123-134. [FH comment: but compare *Foliaster* with Conway Morris & Grazhdankin (2005) *Protonympha salicifolia* Clarke, 1903]
- Blake, D. B. 1995. A new asteroid genus from the Carboniferous of Ireland and its phylogenetic position and palaeoecology. -- *Irish Journal of Earth Sciences* 14:65-80. [*Fandasterias facetus* n.g., n.sp., Tournesian]
- Blake, D. B. 1996. Fossils explained 18: starfishes. -- *Geology Today*, Nov.-Dec. 1996:230-235. [good discussion of Paleozoic]
- Blake, D. B. 1998. Morphological characters of early asteroids and ophiuroids. pp. 5-7 In R. J.

July 11, 2010

Mooi and M. L. Telford (eds.), Echinoderms, San Francisco. A. A. Balkema, Rotterdam.

Blake, D. B. 1999 -- see Webster et al 1999

Blake, D. B. 2000. The Class Asteroidea (Echinodermata): Fossils and the base of the crown group. *American Zoologist* 40:316-325.

Blake, D. B. 2002. Compsaster formosus Worthen & Miller (Asteroidea; Echinodermata): A Carboniferous homeomorph of the post-Paleozoic Asteriidae. *Paläontologische Zeitschrift* 76(2):357-367. [mentions also Asterias, Platasterias, Trichasteropsis, Neopalaeaster, Calliasterella, Calyptactis (type species is an apparent ophiuroid), Hudsonaster (figured), Oreaster, Zoroasteridae, Salteraster, Promopalaeaster, Henricia, Jaekelaster, Schlueteraster, Nepanthia]

Blake, D. B. 2003. The history of the Asteroidea: a paleontologic perspective. Program and Abstracts, 11th International Echinoderms Conference, Munich. [plenary lecture]

Blake, D. B. 2004. The history of the Asteroidea: a paleontologic perspective. [abstract]. p. 570 in T. Heinzeller & J. H. Nebelsick (eds) *Echinoderms: München*. [ecologic parameters probably have changed little since the Ordovician]

Blake, D. B. 2006. Revisiting the phylogeny of post-Paleozoic asteroids (abstract). 12th International Echinoderm Conference, 7-11 August 2006, University of New Hampshire, Durham, NH. Additional abstract (handout).

Blake, D. B. 2007. Two Late Ordovician asteroids (Echinodermata) with characters suggestive of early ophiuroids. *Journal of Paleontology* 81(6):1476-1485. [Jugiaster n.g. for Petraster speciosus] [Phyrtosaster casteri n.g., n.sp., Upper Ordovician, Ohio]

Blake, D. B. & D. Elliott. 2001. New and old Lower Carboniferous asteroid (Echinodermata) genera and the sources of post-Paleozoic crown-group asteroids. GSA Abstracts North-Central Section – 35th Annual Meeting.

Blake, D. B. & D. R. Elliott. 2003. Ossicular homologies, systematics, and phylogenetic implications of certain North American Carboniferous asteroids (Echinodermata). *J. Paleont.* 77(3):476-489. [Empheraster missouriensis n.g., n.sp., Ambigaster n.g., Delicaster n.g. – Neopalaeasteridae] [Fandasteridae n. fam.] [important paper] [also Neopalaeaster, Fandasterias, Monaster, Zoroaster, Tamaria, Luidia, Trichasteropsis, Noriaster, Uranaster, Petraster, Mesopalaeaster, Calliasterella, Calyptactis (C. spinosus an apparent ophiuroid), Compsaster, Permaste, Silicaster]

Blake, D. B. and T. Guensburg. 1986. Functional and phylogenetic implications of some well-preserved Paleozoic sea stars. Geological Society of America, Abstracts with Programs,

July 11, 2010

San Antonio, 1986:542-543. [source Petr in lit.]

- Blake, D. B. & T. E. Guensburg. 1988. The water vascular system and functional morphology of Paleozoic asteroids. *Lethaia* vol. 21, pp. 189-206. [Hudsonaster incomptus; Salteraster grandis; Salteraster sp.; Promopalaeaster wilsoni; P. dueri; P. magnificus; Promopalaeaster sp.; Petraster speciosus; Devonaster eucharis; Calliasterella americana]
- Blake, D. B. & T. E. Guensburg. 1989. Illusioluidia teneryi n.gen. and sp. (Asteroidea: Echinodermata) from the Pennsylvanian of Texas, and its homeomorphy with the extant genus Luidia Forbes. *J. Paleont.* 63(5):662-668. [interpreted to have external ampullae/tube feet (typical of most Paleozoic asteroids, and unlike that of post-Paleozoic taxa)]
- Blake, D. B. & T. E. Guensburg. 1989. Two new multiarmed Paleozoic (Mississippian) asteroids (Echinodermata) and some paleobiologic implications. *J. Paleont.* 63(3):331-340. [Lacertasterias elegans n. gen., n. sp.; Schondorfia fungosa n. g., n. sp.][review of Paleozoic multiarmed asteroids][rejects concept of the Auluroidea; treats the Helianthasteridae as asteroids][terminal plate in Lacertasterias][p. 336 interprets orientation of Lepidaster grayi as oral side to substrate = asteroid Bauplan]
- Blake, D. B. & T. E. Guensburg. 1990. Predatory asteroids and the fate of brachiopods - a comment. *Lethaia*, vol. 23, pp. 429-430. [Promopalaeaster, Salteraster, Petraster]
- Blake, D. B. & T. E. Guensburg. 1993. New Lower and Middle Ordovician stelleroids (Echinodermata) and their bearing on the origins and early history of the stelleroid echinoderms. *J. Paleont.* 67(1):103-113. [Ophioxenikos langenheimi n. gen., n. sp. (Somasteroidea); Stibaraster ratcliffi n. gen., n. sp. (Asteroidea); Cnemidactis? macroadambulacralatas n. sp.; gen. et sp. indet. A (UI X-7604)] [see Sprinkle & Guensburg 1993 Open-File Rpt.] [see also Langenheim et al. 1969] [see also Hansen et al. 2005] [see also Byrd 1970; also Stanley 1986]
- Blake, D. B. & T. E. Guensburg. 1994. Predation by the Ordovician asteroid Promopalaeaster on a pelecypod. -- *Lethaia* 27:235-239. [P. dyeri (Meek), trilobite shale unit of U. Ord. Waynesville Fm., near Southgate, Franklin, Ohio] [same feeding posture as living asteriids] [figures of UCMP 40395, also of UIX-6461]
- Blake, D. B. and T. E. Guensburg. 2005. Implications of a new Early Ordovician asteroid (Echinodermata) for the phylogeny of asterozoans. *Journal of Paleontology* 79(2):395-399. [Eriaster ibexensis n.g., n.sp., R = 5.5 mm, oldest body fossil asteroid, Late Tremadoc or Early Arenig] [they argue for first lateral series beside the carinals, incomplete 2nd lateral series beside the first, and a single row of marginals] [they argue against supermarginals and intermarginals] [order and family unknown (Urasterellidae are not included in the comparisons)] [Asteriacites in Lower Cambrian (Alpert 1976)]

July 11, 2010

indicates extended pre-Ibexian history]

- Blake, D. B., T. E. Guensburg, J. S. Sprinkle, and C. Sumrall. 2007. A new, phylogenetically significant Early Ordovician asteroid (Echinodermata). *Journal of Paleontology* 81(6):1257-1265. [Eukrinaster ibexensis n.g., n.sp.; Wah Wah Fm. (Zone J), Fillmore Fm. (Zone I), Millard County, western Utah; Ninemile Shale (Zone J), Eureka County, central Nevada] [Whitelandian Stage, early Middle Arenig] [Order Platyasterida?, Family Eukrinasteridae, n. fam.] [other taxa mentioned: Platanaster, Palasteriscus, Petraster kinahani; Aspidosoma goldfussi in Fig. 4 inset 6] [Eukrinaster ambs offset]
- Blake, D. B. & H. Hagdorn. ms 2003. The Asterozoa (Echinodermata) of the Muschelkalk (Middle Triassic of Germany). *Paläontologische Zeitschrift* 77(1):23-58. [parsimony analysis; somasteroid outgroup; somasteroids a branch basal to surviving stelleroids]. [New subclass Ambuloasteroidea for Paleozoic and younger taxa with critical ambulacral apomorphies. Post-Paleozoic infraclass Neoasteroidea.] [Trichasteropsis, T. weissmani, T. senfti, T. bielertorum n. sp., Berckhenebaster charistikos n.g., n.sp.] [Hudsonaster, Stichaster, Pedicellaster, Jaekelaster, Schlüteraster, Hystrigaster, Ophioxenikos, Platanaster, Salteraster, Urasterella, Devonaster, Calliasterella americana, Compsaster, Zoroaster, Tarsaster, Pedicellaster, Amperster, Pisaster, Germanasterias, Mediaster, Plutonaster, Luidia, Radiaster, Astropecten, Henricia, Lophaster, Asterina, Noriaster, Pseudarchaster, Echinaster, Palasteriscus, Lathanaster, "Palaeaster" exculptus Miller, Neopalaeaster, Marthasterias, Oreaster, Pentagonaster, Tosia, Leptasterias, Evasterias, Promopalaeaster, Pentaceraster, Calliasterellidae, Silicaster esseri, Calliasterella mira] [Calyptactis spinosus an apparent ophiuroid] [Calyptactis confragosus, Calyptactis demissus, Calyptactis spenceri transferred to Calliasterella] [Pleuraster, P. chopi, Trichasteropsis cilicia, Asterias obtusa, T. hippeleini]
- Blake, D. B., A. Tintorini & H. Hagdorn. 2000. A new, early crown-group asteroid (Echinodermata) from the Norian (Triassic) of Northern Italy. *Revista Italiana di Paleontologia e Stratigrafia* 106(2):141-156. [Noriaster barberoi n.g., n.sp., Trichasteropsis] [Marginaster pectinatus, Porania pulvillus, Sphaeriaster jurassicus, Poraniomorpha, Astropecten pichleri, Asteropsis, Dermasterias, Petricia] [Salteraster, Hudsonaster, Devonaster, Calliasterella americana, Compsaster formosus] [additional Recent families and genera in cladistic analysis]
- Blake D. B., and F. H. C. Hotchkiss. 2004. Recognition of the asteroid (Echinodermata) crown group: implications of the ventral skeleton. *Journal of Paleontology* 78:359-370.
- Bless, M. J. M. and L. S. DePosada. 1971. Restos de Asterozoa en el Westfaliense superior de Asturias.--*Breviora Geologica Astúrica* 15(1):13-16, 2 pls. Oviedo. [source V. Petr] [remarks from V Petr: written in Spanish; problematical unidentified skeletal elements of "asterozoans" from Upper Westfalian, Pl. I, Figs. 12, 13, and 14 (especially 12 and 13) show clearly complete ophiuroid vertebrae (designated as Asterozoa - "Placas

July 11, 2010

angulares"]]

- Blind, W. 1995. Die Lebewelt der Hunsrückschiefer im Röntgenlicht. *Spiegel der Forschung* 12(1):22-27. [source Petr in lit.]
- Boczarowski, A. 1997. Achistrum antiquus a new species of apodid holothurian from the Late Permian of the Holy Cross Mountains. *Prace Państwowego Instytutu Geologicznego* 157:93-103. [Proceedings of the XIII International Congress on the Carboniferous and Permian] [mentions ophiuroid remains in the Kajetańów limestones] [extracted from acetic acid residues]
- Boczarowski, A. 2001. Isolated sclerites of Devonian non-Pelmatozoan echinoderms. *Palaeontologia Polonica* No. 59, 220 pp.
- Bodenbender, G. 1896a. Über Silur, Devon, Carbon und die Glossopteris-Stufe in der Gegend von Jachal im Nordwestlichen Argentinien (Brief an Herrn E. Kayser). -- *Z. Deutsch. Geol. Ges.* 48:183-186, 1 Abb. [see Haude 1999]
- Bodenbender, G. 1896b. Beobachtungen über Devon- und Gondwana-Schichten in der Argentinischen Republik. - *Z. Deutsch. Geol. Ges.*, 48:743-772, 1 Abb. 1 Tab. [see Haude 1999]
- Boehm, G. 1893. Ueber Fossile Ophiuren. *Zeitschrift der Deutschen geologischen Gesellschaft*. Berlin. 45:158-161. [important description of Ophiopege gregaria from Crawfordsville; he was unaware of Aganaster]
- Boettger, C. R. 1952. Die Stämme des Tierreiches in ihrer systematischen Gliederung. *Abhandl. Braunschweigischen Wiss. Gesell.* 4r:238-300. [see also Pearse 1947, also Blackwelder 1963] [orders of ophiuroids, etc.] [p. 276 Subclass Aegophiurida for Lysophiurida] [p. 276 Class Auluroidea; p. 293 note] [p. 276 Ophiocystiida, Aganasterida]
- Bolton, Thomas E. 1960. Catalogue of type invertebrate fossils of the Geological Survey of Canada, vol. I. Department of Mines and Technical Surveys Canada, Geological Survey of Canada, The Queen's Printer and Controller of Stationery, Ottawa, Cat. No. M41-4/1. iv + 215 pp.
- Botting, J. P. 2000. Palaeoecology and systematics of Ordovician biotas from Welsh volcanoclastic deposits. Unpublished PhD thesis, University of Birmingham, 369 pp. [see Botting 2003]
- Botting, J. P. 2003. Llanvirn (Middle Ordovician) echinoderms from Llandegley rocks, central Wales. *Palaeontology* 46(4):685-708. [Protopalaeaster cf. simplex Spencer & Groom 1934; Mesopalaeaster? sp.; Promopalaeasteridae indet. sp. A]

July 11, 2010

- Botting, J. P. 2004. Ordovician sponges, echinoderms and oddities of Morocco. The Palaeontological Association Newsletter No. 56, pp. 98-101. [a large villebrunasterid somasteroid] [an unidentified asteroid (?) with some possibly somasteroid characteristics] [Upper Fezouta shale; upper Middle Arenig] [unsubstantiated rumors of starfish with tube feet]
- Botting, J. P. 2005. Diversity and distribution in Ordovician (Llanvirn-Caradoc) echinoderms of the Builth Inlier: real patterns and biases. The Palaeontological Association Newsletter No. 60:36-37. [rare asteroids]
- Botting, J. P., L. Muir and T. Barnie. 2004. A Welsh Ordovician Hunsrück? [abstract]. The Palaeontological Association Newsletter No. 57, p. 143. [“a partial asteroid (?)”] [Middle Ordovician black shales, pyritized fauna]
- Bouček, B. 1936. O “skolitech” a jiných stopách činnosti živožžůz vrstevních ploch českého ordoviku (in Czech). Věda přírodní (Praha) 17(6-8):147-151. [source Petr in lit.]
- Boucot, A. J. 1990. Evolutionary paleobiology of behavior and coevolution. Elsevier, Amsterdam. 725 pp. [p. 138 dense aggregations of ophiuroid fossils Strataster ohioensis example] [p. 174 starfish feeding Girvanaster fide Spencer & Wright 1966, p. U25; Ctenophoraster fide Blake & Zinsmeister 1979 p. 1150 pl. 1 fig. 12] [p. 321 ophiuroid resting trace authored by R. R. West & E. L. Ward] [p. 661 autotomy, refers to Tasnádi-Kubacska 1962, mentions fission and autotomy]
- Boucot, A. J. and E. L. Yochelson. 1966. Paleozoic Gastropoda from the Moose River Synclinorium, Northern Maine. U. S. Geol. Survey Prof. Paper 503-A, p. A1-A20, + 3 pls. [Unidentified ophiuroid, p. A15, pl. 1, fig. 20, 23, L. Devonian, Terratine fm: from loose block of sandstone in the village of Long Pond, Long Pond quad., Somerset Co., Maine; USNM 126099. Source John Harper.]
- Boule, M. et al. 1928. Types du Podrome de Palaeont. Stratig. Universelle 17:71-75. [source Petr in lit.]
- Boyt, R. 1962. Crinoid and starfish fossils from LeGrand, Iowa. Privately Published, LeGrand, Iowa, B. H. Beane 24 pp. [source Bib & Index of Paleozoic Crinoids, etc. 1758-1999, compiled by Gary Webster]
- Brame, Roderic. 2001. Personal communication. [Protasteridae in a conglomerate; about at the Devonian – Mississippian boundary; Pocono or Price Fm.; central Appalachians]
- Branisa, Leonardo. 1965. Los fosiles guis de Bolivia I. Paleozoico. Index Fossils of Bolivia I. Paleozoic. Servicio Geologico de Bolivia (ex-Departamento Nacional de Geologia)

July 11, 2010

Boletin No. 6, 282 pp., 80 pls. [Asteroidea indet p. 172, pl. liv fig. 42] [Ophiuroidea indet. p. 110, pl. xxiii fig. 20] [?Loriolaster sp. p. 108 pl. xxii fig. 1] [?L. cf. L. mirabilis p. 128 pl. xxxii fig. 9] [?Ophiaulax sp. p. 110 pl. xxiii fig. 19] [Taeniaster or Protaster sp. p. 110 pl. xxiii fig. 18]

Branson, C.C. 1960. Conostichus: Oklahoma Geological Survey, Oklahoma Geology Notes 20(8):195-207, 4 pl. [source Rindsberg 1994]

Branstrator, J. Wayne. 1969. A redescription of hudsonasterid (Asterozoa) types. Generic redescription and ontogeny of North American Ordovician Asteroidea. Univ. Cincinnati Master's Thesis.

Branstrator, J. Wayne. 1972. Lanthaster cruciformis, a new Upper Ordovician sea star from Cincinnati. Journ. Paleont., vol. 46, no. 1, pp. 66-69.

Branstrator, J. Wayne. 1974. Paleobiology and revision of the Ordovician Asteriadina [Echinodermata: Asteroidea] of the Cincinnati area. PhD Thesis, Dissertation Abstract International 36B(5):2132.

Branstrator, J. Wayne. 1975. Podial efficiency of some Ordovician asteroids (Echinodermata) from North America. Bulls. Am. Paleontology, v. 67, no. 287, p. 57-69, 2 pls.

Branstrator, J. Wayne. 1979. Asteroidea (Echinodermata). pp. F1-F7 with plates 1-3. In Contributions to the Ordovician Paleontology of Kentucky and nearby states. (John Pojeta, ed.), U.S. Geological Survey Professional Paper 1066-A-G.

Branstrator, J. Wayne. 1980. Paleozoic Asterozoa. University of Tennessee, Department of Geological Sciences, Studies in Geology 3:190-199. ["Echinoderms: notes for a short course" T. W. Broadhead & J. A. Waters (eds.) at GSA in Atlanta, GA November 1980]

Branstrator, Jon W. 1982. Asteroids. pp. 316-321, plate 42, text-figs. 75-76. In: Sprinkle, James (editor): Echinoderm Faunas from the Bromide Formation (Middle Ordovician) of Oklahoma. The University of Kansas Paleontological Contributions, Monograph 1, pp x + 369 pp. [source V. Petr: descriptions of genera Petraster, Protopalaeaster, Promopalaeaster, Urasterella.]

Brassel, G. 1968. Wer kauft eine Schiefergrube? Kosmos, Stuttg. 64: 363-366, 3 figs.

Brassel, G. 1972. So präpariert man Fossilien in Schieferplatten. Kosmos [12/72] 68(12):pp?? [7 pages]

Brassel, G. 1983. Das erste vollständig erhaltene Exemplar des Seesterns, Baliactis scuttus n. sp. W.M. Lehmann. Natur Mensch 1983:47, illustr. [ZR 1983]

July 11, 2010

- Brassel, G. and F. Kutscher. 1969. Der Scheinstern Mimetaster hexagonalis (Gürich, 1931). Mainz. naturw. Arch. 8:181-192, 1 fig., 2 pls. [ZR 1969] [Furcaster palaeozoicus pl. I fig. 3]
- Brauckmann, C., B. Brauckmann, and E. Gröning. 1997. Über einige seltene Fossilien aus dem höheren Unterkarbon in Deutschland. Arbeitskreis Paläontologie Hannover, 25 Jahrgang, Heft 3:61-70. [summary of ophiuroid occurrences with literature] [Chattaster hueffneri, Furcaster, Xenura koboldi, + undet ophiuroid]
- Breder, C. M. 1955. Observations of the occurrence and attributes of pentagonal symmetry. Bulletin of the American Museum of Natural History 106(3):173-220. [included for general interest] [see Hotchkiss 1998]
- Brett, C. E. 1988. Paleoecology and evolution of marine hard substrate communities: an overview. *Palaios* 3:374-378. [source Petr in lit.]
- Brett, C. E. 1990. Destructive taphonomic processes and skeletal durability. Pp. 223-226. In Briggs, D.E.G. & Crowther, P.R. (eds.) *Palaeobiology: a synthesis*. 583 pp. Blackwell Scientific Publ., Oxford, London, Edinburgh, Boston, Melbourne. [source Petr in lit.]
- Brett, C. E. 1990. Ostracod deposits. Pp. 239-243 In D. E. G. Briggs & P. R. Crowther (eds.) *Palaeobiology: a synthesis*. Blackwell Science Ltd. 583 pp.
- Brett, C. E. 1990. Predation: Marine. Pp. 368-372. In Briggs, D.E.G. & Crowther, P.R. (eds.) *Palaeobiology: a synthesis*. 583p. Blackwell Scientific Publ.: Oxford, London, Edinburgh, Boston, Melbourne. [source Petr in lit.]
- Brett, C. E. 1991. Organism-sediment relationship in Silurian marine environments. In Bassett, M.G., Lane, P.D. & Edwards, D. (eds) *The Murchison Symposium: Proceedings of an International Symposium on the Silurian System*. Special Papers in Palaeontology, 44: 301-344. [source Petr in lit.]
- Brett, C. E., H. A. Moffat and W. L. Taylor. 1997. Echinoderm taphonomy, taphofacies and Lagerstätten. -- *Paleontological Society Papers* 3:147-190. [includes many starfish/ophiuroid localities]
- Brett, C. E. and A. Seilacher. 1991. Fossil Lagerstätten: a taphonomic consequence of event sedimentation. Pp. 283-297 In Einsele, G., Ricken, W. & Seilacher, A. (eds) *Cycles and events in stratigraphy*. Springer-Verlag, New York, Berlin, Heidelberg [source Petr in lit.]
- Brett, C. E. and S. E. Speyer. 1990. Taphofacies. Pp. 258-263 In Briggs, D.E.G. & Crowther,

July 11, 2010

P.R. (eds) *Palaeobiology: a synthesis*. 583p. Blackwell Scientific Publ.: Oxford, London, Edinburgh, Boston, Melbourne. [source Petr in lit.]

Brett, C. E., and W. L. Taylor. 1997. The Homocrinus Beds: Silurian crinoid Lagerstätten of western New York and southern Ontario. Chapter 8 In C. E. Brett and G. C. Baird (eds.) *Paleontological events: stratigraphic, ecological, and evolutionary implications*. Columbia University Press. [Palaeaster niagarensis and Protaster stellifer] [Lewiston Member of Rochester Shale]

Brett, K. and D. Rudkin. 1997. Ordovician stratigraphy and trilobite faunas of south central Ontario. Field Trip Guidebook. Field trip 3, Guidebook, 2nd International Trilobite Conference, Brock University, St. Catharines, Ontario (August 26-29, 1997). [Uhtoff Quarry ophiuroid, Euzonosoma; Cardon Quarry asteroids; Brechin Quarry ophiuroids & asteroids] [ref. Hotchkiss, Armstrong & Rudkin 1995]

Brito, I. M. 1977. Ocorrência de Bióglifos no Devoniano Inferior do Município de Tocantínia, Goiás. *Anais da Academia Brasileira de Ciências* 49:461-464. [source Mángano et al. 1999]

Broili, Ferdinand. 1924. [Revised edition of] *Grundzüge der Paläontologie (Paläozoologie) von Karl A. von Zittel*. 1. Abteilung: Invertebrata. Munich u. Berlin (R. Oldenbourg). [Asterozoa pp. 231-243] [p. 239 Onychaster as Cladophiurae (Euryalae)]

Bronn, Heinrich Georg. 1859. *Klassen u. Ordnungen d. Tierrichs*, vol. 1, p. 287.

Bronn, Heinrich Georg. 1860. *Die Klassen und Ordnungen des Thierreichs*. Bd. ii, Leipzig und Heidelberg, 434 pp., 48 pls.

Brower, J. C. 1975. Silurian crinoids from the Pentland Hills, Scotland. *Palaeontology* 18(3):631-656. [some discussion of close association with starfish in Gutterford Burn 'Starfish Beds' pp. 633-634]

Brown, I. A. 1941. The stratigraphy and structure of the Silurian and Devonian rocks of the Yass-Bowling district, New South Wales. *Journal and Proceedings of the Royal Society of New South Wales*, 74: 312-341. [source Petr in lit.]

Brück, P. M. and M. Vanguetaine. 2004. Acritarchs from the Lower Palaeozoic succession on the south County Wexford coast, Ireland: new age constraints for the Cullenstown Formation and the Cahore and Ribband Groups. *Geological Journal* 39:199-224. [Petraaster kinahani (Baily) in the Blackhall Fm. (Mid-Cambrian to Late Arenig or Llanvirn age)]

Bucher, Walter Hermann, Caster and Jones. 1939. Elementary description of Cincinnati

July 11, 2010

fossils and strata and plates of commoner fossils in the vicinity of Cincinnati, Ohio. 13 pp., 10 pls. Univ. Cincinnati, Cincinnati, Ohio. [casual reference to starfish; none figured; no species/genera cited.]

Burke, F. 1983. Fossil starfish. Countryside 25(5):216-217, illustr. [ZR 1983] [Silurian, Leintwardine]

Byrd, W. J. 1970. Geology of the Ely Springs Range, Lincoln County, Nevada. Earth Science Bulletin 3(2):23-32. [asteroid fig. 5 is Ophioxenikos langenheimi Blake & Guensburg 1993] [not seen]

Byrne, Maria and Gordon Hendler. 1988. Arm structures of the ophiomyxid brittlestars (Echinodermata: Ophiuroidea: Ophiomyxidae). pp. 687-695 in Burke et al. (eds), Echinoderm Biology (Proceedings of the Sixth International Echinoderm Conference, Victoria, 23-28 August 1987.) A. A. Balkema, Rotterdam. [makes comparisons with Paleozoic ophiuroids]