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A Type Catalog of Fossil Invertebrates (Mollusca: Coleoidea, Monoplacophora and Scaphopoda) in the Yale Peabody Museum

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Russell D. White

Introduction

This catalog lists all known fossil coleoid, monoplacophoran and scaphopod types in the Invertebrate Paleontology Collections housed in Yale University's Peabody Museum of Natural History. This is the eighth in a series of type catalogs of fossil invertebrates and is a product of an ongoing computerization project to improve the accessibility of the type collections.

Organization

Specimens are listed under the originally described binomen; genera and species within genera are indexed alphabetically. Each entry includes the catalog number used by the Division of Invertebrate Paleontology prefixed with the abbreviation YPM and the type status of the original designation, followed by all known references to that name. Any subsequent designations are listed under the original designation and are cross-referenced in the body of the text. Locality descriptions follow each entry or set of entries for each binomen. Errors and inconsistencies are footnoted at the bottom of each binomen.

The type designations used are holotype and syntype for name bearers; paratype for secondary types; hypotype for all tertiary types. Name bearers and secondary types are defined as used in the International Code of Zoological Nomenclature (ICZN, 1985). Tertiary types or hypotypes are treated here as any described, figured or measured specimen used in a publication to augment the knowledge of a previously...
defined species, or any referred specimen that cannot be placed unequivocally in a known species (e.g. Dentalium sp.).

Locality descriptions follow each entry or set of entries with identical locality data. The locality information includes the stratigraphy, geography, collector and date. Stratigraphy has been standardized using "Stratigraphic Nomenclature Databases for the United States, its Possessions and Territories" (MacLachlan et al. 1992).

Catalog of Coleoidea

*Actinosepia canadensis* Whiteaves

**Hypotype** YPM 24808


Late Cretaceous, Maastrichtian, Fox Hills Fm, Trail City Mbr, *Actinosepia* Layer, Little Eagle Lithofacies. Float, irregularly shaped spur with narrow SE-trending tip downfaulted so that lower barren concretions cap it, 0.3 mi E of SD Rt. 63, SE of O'Leary Ranch house, and about 1 mi N of Moreau River, and 3.8 mi NNE of Green Grass, Parade NW Quad., NE SW SE sec32T15NR24E, Dewey Co., South Dakota, USA. Collector: Waage, K.M., 1959.

**Hypotype** YPM 24809


Late Cretaceous, Maastrichtian, Fox Hills Fm, Trail City Mbr, Little Eagle Lithofacies, Upper *nicolleti* Assemblage Zone. Concretion, about in place, exposures on hill slope immediately E of E abutment of stock dam, about 0.5 mi N of Johnson Brothers Ranch house, and 6 mi S of Little Eagle, Little Eagle SE Quad., NW CORNER NE SW sec29T15NR27E, Corson Co., South Dakota, USA. Collector: Waage, K.M.

**Hypotype** YPM 24810


Late Cretaceous, Maastrichtian, Fox Hills Fm, lower Trail City Mbr, Irish Creek Lithofacies. Lower Irish Creek, bluff on E side of Moreau River, above meander (abandoned in 1962), and 7.5 mi ENE of Thunder Butte Village, Dupree NE Quad., E SW SW NW sec35T15NR21E, Ziebach Co., South Dakota, USA. Collector: Waage, K.M., 1962.

**Hypotype** YPM 24811


**Plaster cast of hypotype** YPM 35100


Late Cretaceous, Maastrichtian, Fox Hills Fm, Timber Lake Mbr. Float, on and at base of face, SW slope of prominent butte on divide between Red Earth Creek and Meadow Creek, 4.5 mi NNW of Green Grass, Lantry NE Quad., CENTER NE SW sec27T15NR23E, Dewey Co., South Dakota, USA. Collector: Waage, K.M., 1957.

**Hypotype** YPM 24813


**Plaster cast of holotype** YPM 35101


Late Cretaceous, Bearpaw Shale. Opposite the mouth of Swift Current Creek, Saskatchewan, Canada. Collector: Weston, T.C., 1889.

**Plaster cast of hypotype** YPM 35101


†This is a replica of the holotype (GSC 5379), reposited at the Geological Survey of Canada.
This is a replica of the hypotype (GSC 19888), repositioned at the Geological Survey of Canada.

**Sepia sp.**

**Hypotype** YPM 24814


Quaternary, Recent.

†No locality data is available for this specimen.

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**Catalog of Monoplacophora**

**Archinacella ? propria Raymond**

**Holotype** YPM 26957


Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Road to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton County, New York, USA. Collector: Raymond, P.E., 1903.

**Archinacella deformata (Hall)**

**Hypotype** YPM 26956


Middle Ordovician, Aylmer Sandstone. Aylmer, Quebec, Canada. Collector: Sowter, T.E.

**Lepetopsis ? howorthi (Beede)**

**Hypotype** YPM 15326


Late Permian, Whitehorse Grp, Rush Springs Fm, Dozier Sandstone Mbr. Base of Dozier on summit of Mt. Nebo on the N side of highway, 3 mi W of Esteline (Hall Co.), Collingsworth Co., Texas, USA. Collector: Roth, R.I.

**Palaeacmaea irregularis Raymond**

**Syntype** YPM 26962†


Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Road to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton County, New York, USA. Collector: Raymond, P.E., 1903.

†This specimen is described as a "cotype" of *Palaeacmaea irregularis* Raymond, although it was neither mentioned or figured in Raymond (1905).

**Palaeacmaea magnifica Twenhofel**

**Holotype** YPM 10370


**Pilina cheyennica Peel**

**Holotype** YPM 74


Silurian, Chimneyhill Limestone, Keel Mbr. Near base of Chimneyhill, cement quarries at Lawrence, Pontotoc Co., Oklahoma, USA. Collector: Schuchert, C., 1922?

**Proplina elongata Cullison**

**Paratype** YPM 17134


Proplina grandis Cullison

Paratype YPM 17138


Early Ordovician, Theodosia Fm. Lower Theodosia, elevation 1000 ft, S of road junction, center W1/2sec02T21NR25W, Barry Co., Missouri, USA. Collector: Cullison, J.S.

Scenella montrealensis (Billings)

Hypotype YPM 26958


Hypotype YPM 26959


Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Road to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

Scenella pretensa Raymond

Holotype? YPM 26960


Middle Ordovician, Chazy Grp. Lenoirs, Loudon Co., Tennessee, USA.

†This specimen was described as the “type” of Scenella pretensa Raymond, although it was neither mentioned nor figured in Raymond (1905).

Scenella robusta Raymond

Paratype? YPM 26961


Middle Ordovician, Chazy Grp. Lenoirs, Loudon Co., Tennessee, USA.

†This specimen is labeled as a “paratype” of Scenella robusta Raymond, although it was neither figured nor mentioned in Raymond (1905).

Catalog of Scaphopoda

Dentallum hexagonum Van Ingen

Syntype YPM 35573


Dentallum sp.

Hypotype YPM 14847A


Hypotype YPM 14847B


Hypotype YPM 14847C


Hypotype YPM 14848


Late Cretaceous. Loose boulder brought up in a fisherman’s trawl, from a depth of 200 fathoms, eastern part of Banquereau bank, off Sable Island, Nova Scotia, Canada. Collector: Olson, L.

Dentallum sp. (smooth)

Hypotype YPM 14849


Late Cretaceous. Loose boulder brought up in a fisherman’s trawl, from a depth of 200 fathoms, eastern part of Banquereau bank, off Sable Island, Nova Scotia, Canada. Collector: Olson, L.

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Literature Cited


Related type catalogs in this series


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