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TYPE FOSSIL MOLLUSCA (HYOLITHA, POLYPLACOPHORA, SCAPHOPODA, MONOPLACOPHORA, AND GASTROPODA) IN FIELD MUSEUM

GERALD GLEN FORNEY
AND
MATTHEW H. NITECKI

October 29, 1976

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TYPE FOSSIL MOLLUSCA (HYOLITHA, POLYPLACOPHORA, SCAPHOPODA, MONOPLACOPHORA, AND GASTROPODA) IN FIELD MUSEUM

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October 29, 1976

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“Although there is a fundamental difference between paleozoology and the names of fossils, this difference is not always clear.”

Yochelson and Saunders, 1967, p. 3.

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INTRODUCTION

Living molluscs are commonly divided into three major classes (Gastropoda, Cephalopoda, and Bivalvia), and four minor classes (Monoplacophora, Polyplacophora, Scaphopoda, and Aplacophora). Although many extinct classes of molluscs have been proposed, the generally accepted ones are Hyolitha (Marek, 1963), Mattheva (Yochelson, 1966), Stenothecoida (Yochelson, 1969), and Rostroconchia (Pojeta et al., 1972).

This catalogue lists the type and referred specimens of fossils representing five of these 11 molluscan classes. These are: Hyolitha, Polyplacophora, Scaphopoda, Monoplacophora, and Gastropoda. Individual specimens are assigned to these sections solely on the basis of their original generic name. No specimens were reassigned in connection with this work. The hyolithid genera listed include *Hyolithes*, *Pharetrella*, and *Theca*. The polyplacophoran generic names are *Chiton* and *Helminthochiton*. The scaphopods were originally described as *Dentalium* and *Laevidentalium*. The genera of Monoplacophora are *Archinacella*, *Helcionopsis*, and *Tryblidium*. *Cyrtolites* (*Cyrtonella*) *pileolus* was described as a gastropod. It was later placed with the monoplacophorans. Therefore, it is listed in both relevant sections. Our catalogue is divided into five sections representing each of the five classes; both original fossil material and artificial casts are included.

Most of the specimens listed were originally in the collections of the Walker Museum of Paleontology (prefixed UC) of the University of Chicago; this material is now on permanent loan to Field Museum. The other specimens (prefixed P or PE) were deposited directly into the Field Museum collections.

A type catalogue is a list of specimens, not of species. Therefore, this catalogue includes a few annelids, brachiopods, and cephalopods that were erroneously described as "gastropods." The correct assignment of these specimens is noted.

We recognize only holotypes and lectotypes as valid types. All other so-called primary and secondary types are listed as referred specimens.

Many specimens were originally described as "types," "cotypes," "paratypes," or "syntypes." For these we have noted that holotypes have not been designated, but should be chosen from the listed material. All holotypes are listed as "by original designation," or if the author clearly based his description on a single specimen, "by monotypy." Lectotypes are designated as such.

Although an artificial cast of a specimen has no nomenclatorial standing, it may be a useful tool when the original is lost. Therefore, without implying that they are types, we list artificial casts of holotypes as "plastroholotypes"; "syntypes," and "cotypes" as "plastocotypes"; and figured specimens as "plastoplesiotypes." These casts figured "plasto-" are made of various substances. We indicate the depository, when known, of the original type for which we have a cast.

The specific names of our specimens are listed as they were originally published. In conformance with taxonomic practice, we have added, when possible, the authorship and the date of publication of the specific name.

We have listed subsequent nomenclatorial changes affecting our types. If these changes do not specifically refer to our specimen, they are listed under "Remarks." If the fossil is a holotype, all subsequent nomenclatorial changes refer to it. All re-assignments are cross-referenced. The cross-references lead directly to the first name applied to our specimen.

Within each section, the genera, and within each genus, the species, are arranged alphabetically. Subgeneric names are ignored in alphabetizing the specimens. Therefore, a specimen described as *Bellerophon* (*Bellerophon*) *chesterensis* follows *Bellerophon chesterensis*. However, *Orthonychia mayesense* will be with the "O's," while *Platyceras* (*Orthonychia*) *mayesense* will be with the "P's." Subgeneric or subspecific reassignments where they would lead to an entry immediately adjacent are not cross-referenced. Similarly, misspellings of specific names are not cross-referenced.

Knight et al., 1960 have placed many generic names in synonymy (for example, *Coelocaulus* = *Michelia*). For these, the cross-reference reads "*Michelia* spp. See: *Coelocaulus* spp." To provide new generic assignments for *nomina nuda* and other unstudied material is beyond the scope of this work.

Species of authors (for example, "*Aclisina* sp.") follow all named species in each genus, and are arranged chronologically.

The literature, used in obtaining subsequent systematic changes, includes Bassler, 1915 (Ordovician and Silurian), unpublished bibliographies by S. Weller and E. M. Kindle (Devonian), Yochelson and

Saunders, 1967 (Carboniferous), and Palmer and Brann, 1966 (Paleocene and Eocene). These indices may contain more complete synonymies than those included here, and should be consulted by interested workers. Most of our specimens are from periods and areas covered by those works.

We have supplemented the originally published stratigraphic information. We have expanded system names (for example, "Silurian") into series names ("Middle Silurian"), and we have added stage names ("Wenlock") or group names ("Midway Group") whenever possible. If no source for the revision of stratigraphic nomenclature and correlation was cited, we used either Berry and Boucot, 1970 (for Silurian), Palmer and Brann, 1966 (for Paleocene and Eocene), or Keroher et al., 1967 (for all other stratigraphic systems).

Many published locality descriptions are brief, therefore we have supplemented them whenever possible with data from the museum catalogues and on specimen labels. Locality information from sources other than the original is cited as such. Important differences between the published locality description and unpublished information in the museum catalogues are noted. When published works indicate that a species was found at several localities, we only list the locale where our specimen was found.

The individual "collections," such as the James Hall Collection, are not sorted or stored separately. We list the collection name after the locality description to give an indication how the specimen was obtained.

The previous catalogues in the series listed "lost" but not "missing" specimens. Lost means that a specimen was destroyed by fire or lost in the mails. Missing specimens are those not found while preparing this catalogue. They are listed here and hopefully many of them will eventually be located.

The following abbreviations are used:

- AMNH American Museum of Natural History, New York, N.Y.
- CAS Chicago Academy of Sciences, Chicago, Ill.
- NJSM New Jersey State Museum, Trenton, N.J.
- NYSM New York State Museum, Albany, N.Y.
- UMMP University of Michigan, Museum of Paleontology, Ann Arbor, Michigan
- USNM United States National Museum, Washington, D.C.
- X University of Illinois, Urbana, Ill.

Considerable confusion exists over the citation of American Museum type numbers (Squires and Hawkins, 1958, pp. 1, 3). We have cited the older Whitfield and Hovey (1898) numbers and also the newer "true"

numbers when available. The specimen numbers of other institutions were obtained from Ball and Greacen, 1946 (CAS); Richards and Ramsdell, 1962 (NJSM); Clarke and Ruedemann, 1903 (NYSM); Schuchert et al., 1905 (USNM); and Hansman and Scott, 1967 (X).

Many of the specimens in the Walker Museum were described and figured in unpublished MS and Ph.D. theses written at the University of Chicago. Such dissertations do not constitute valid publication under the Rules of Zoological Nomenclature, and therefore their descriptions and figures are not cited here.

The University of Chicago published and distributed summaries of Ph.D. theses submitted between 1922 and 1932 in a book-length serial entitled *Abstracts of Theses, Science Series*. Specimens cited in these abstracts are listed in our catalogue as referred specimens whenever the specific name was previously established. The specimens referred to new species in the *Abstracts* are usually *nomina nuda*, and create special problems in listing them in this catalogue. For example, the thesis by Wing (1923, unpub.) was never published in full, but only as an abstract (Wing, 1925). Therefore, the 38 new specific names of gastropods listed in the abstract are *nomina nuda* and are unavailable. Such invalid names have been discussed in the literature (for example, Peel, 1972, p. 412), and may be mentioned in the future. Therefore, we include the invalid names with the notation “*nomen nudum*.”

Evans (1924, unpub.) described a Late Ordovician fauna from north-eastern Illinois. The published abstract of his thesis (Evans, 1926) has a faunal list that includes seven gastropod taxa. Although the abstract contains many *nomina nuda*, none of them refers to gastropods.

Bradley (1925) published a summary of his thesis in the *Journal of Geology*. The summary contains many *nomina nuda* that became available upon the subsequent publication of his monograph (Bradley, 1930). The 1930 monograph described only new species, while his (1924, unpub.) thesis and the published summary (1925) also list specimens referred to previously established taxa. Bradley (1927) published an abstract of his thesis, but without mentioning any gastropods.

Ball (*in* Flint and Ball, 1926, pp. 255-256) published a preliminary faunal list based on his Ph.D thesis (Ball, 1927, unpub.), but did not include any *nomina nuda*. Later, however, Ball (1928) published an abstract of his thesis containing four gastropod *nomina nuda* with a note: “to be published in full by the Missouri Geological Survey.” Although some parts of the thesis were eventually published, the gastropod descriptions were not, and so the names remain unavailable.

Sayre (1931) also published an abstract of his thesis with many *nomina nuda*, but the names became available a few months later when the monographic version (1930) [1931] of his thesis appeared.

Smith (1935, unpub.) wrote a Ph.D thesis on the fauna of the Buckhorn Asphalt, Oklahoma. The fauna included seven gastropods, none of which were new species. The descriptions of the nautiloids and ammonoids, along with a list of the other species, were published (Smith, 1938) as a "Private edition, distributed by the University of Chicago Library." According to records in the University Dissertation Office, this edition consisted of 116 copies. One copy was deposited in the University Library, and the rest were exchanged with other libraries. Thus the requirements for valid publication under the Rules of Zoological Nomenclature were fulfilled. For example, the new genera of ammonoids described by Smith (1938) are also discussed by Miller et al. (1957, pp. L61, L66).

Many specialists have given us advice in documenting systematic changes of species not included in the various bibliographic indices. We thank Drs. R. L. Batten, R. G. Clements, R. M. Linsley, K. V. W. Palmer, B. Patterson, J. S. Peel, A. J. Rowell, A. G. Smith, N. F. Sohl, C. Teichert, E. H. Vokes, and E. L. Yochelson. Irene Ludwig prepared the index of species.

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TYPE HYOLITHA

Hyalolithes acilis var. **petaloidea** Hall, 1879

Holotype: by monotypy: UC 51874

Hall, 1879, pp. 197-199, pl. 32, fig. 30

Middle Devonian, Hamilton Group, "semi-calcareous shales."

Pratts Falls, Onondaga County, New York? James Hall Collection.

Hyalolithes centennialis Barrett, 1876

Referred specimens: five specimens UC 36339

Hall, 1888, p. 6, pl. 114, figs. 21-23

Lower Devonian, Lower Helderberg Group.

Port Jervis, Orange County, New York. James Hall Collection.

Remarks: One of the specimens bears a note "From Dr. Barrett." This may be important in fixing a type for this species.

Referred specimen: UC 10466

S. Weller, 1903c, p. 336, pl. 43, fig. 15

Lower Devonian, "Lower" Oriskany Formation.

In Sussex County, New Jersey, at the Old William Nearpass Quarry on the farms of Sanford Nearpass and John Bigart about 3 miles south of Port Jervis, New York. S. Weller Locality 2A33, New Jersey Collection.

Hyalolithes crowelli Roy, 1941

Holotype: by original designation: P 28854 (missing)

Roy, 1941, p. 123, text-fig. 90

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Hyalolithes ? dubius Miller and Faber, 1894

Holotype: not designated

Referred specimen: UC 8881

Miller and Faber, 1894b, pp. 155-156, pl. 8, fig. 23

Cumings, 1908, p. 964, pl. 42, fig. 3

Upper Ordovician, Cincinnati, Richmond.

Versailles, Ripley County, Indiana. Faber Collection.

Remarks: Although this is the figured specimen, it is a "cotype" since Miller and Faber, 1894, based their description on several specimens.

***Hyalolithes ligea* (Hall, 1861)**

See: *Theca ligea* Hall, 1861

***Hyalolithes multicinctus* Bradley, 1930**

Holotype: by original designation: UC 5916, with red dot

Bradley, 1925, p. 57, *nomen nudum*

Bradley, 1930, pp. 240-241, pl. 25, fig. 13

Referred specimen: UC 5916, without red dot

Bradley, 1925, p. 57, *nomen nudum*

Bradley, 1930, pp. 240-241

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri.

***Hyalolithes* cf. *oxys* Clarke, 1908**

Referred specimen: UC 27510

Stewart, 1922, pp. 261-262, pl. 69, fig. 17

Lower Devonian, Little Saline Limestone (Lower Beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quad., Ste. Genevieve County, Missouri. Collected by University of Chicago field classes.

***Hyalolithes principalis* Hall, 1876**

"*Plastocotype*": UC 700

Hall, 1876, pl. 27, fig. 20

Hall, 1879, pp. 196-197, pl. 32, fig. 20

Lower ? Devonian, Schoharie Grit.

Schoharie, New York. James Hall Collection.

Remarks: The depository of the original of UC 700 is unknown.

Hyalolithes striatus Hall, 1876*Referred specimen:* UC 13146

Hall, 1879, pp. 199-200, pl. 32, figs. 32-33

Middle Devonian, Hamilton Group, Ludlowville Shale, probably King Ferry Member.

Norton's Landing (Shurgar Point), Tompkins County, New York.

Remarks: *H. striatus* Hall, 1876 was pre-occupied and was replaced by *H. halli* Hall in Sinclair, 1946, pp. 72-73. Sinclair also designated NYSM 11028/1 as lectotype. UC 13146 is catalogued as a "cotype."**Hyalolithes triliratus** Hall, 1879*Holotype:* not designated.*Referred specimen:* UC 12257

Hall, 1879, p. 201, pl. 32A, fig. 22

Middle Devonian, Hamilton Group.

Sherburn Creek, Chenango County, New York.

Remarks: UC 12257 is catalogued as a "cotype." The whereabouts of the other "cotypes" is unknown.**Hyalolithes versaillesensis** Miller and Faber, 1894*Holotype:* not designated, to be selected from UC 8876*Referred specimens:* 17 specimens UC 8876

Miller and Faber, 1894b, p. 155, pl. 8, figs. 20-22

Miller, 1897, p. 765, text-fig. 1409

Cumings, 1908, p. 965, pl. 42, figs. 4a-4b

Upper Ordovician, Cincinnati, Richmond.

Versailles, Ripley County, Indiana. Faber Collection.

Hyalolithes welleri Roy, 1929*Holotype:* by original designation: P 21766

Roy, 1929, p. 208, pl. 35, fig. 3

Lower Cambrian.

Conglomerate limestone on the east of the city of Troy, New York.

Collected by S. K. Roy.

Hyalolithes sp.*Referred specimens:* six specimens UC 11532

Branson, 1909, p. 46

Middle Ordovician, Stones River Group, Auburn Chert.
Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller,
1896.

Lentitheca tenebrosa (Hall, 1888)

See: *Pharetrella tenebrosa* Hall, 1888

Pharetrella tenebrosa Hall, 1888

Holotype: by monotypy: UC 60631
Hall, 1888, p. 7, pl. 114, fig. 30-31

Upper Devonian, Genesee Shale.

Genesee County, New York. James Hall Collection.

Remarks: By monotypy, this is the type species of the genus *Pharetrella* Hall 1888. Fisher, 1962, p. W130, suggests that *Pharetrella* may be a synonym of *Lentitheca*, a hyolithid. This may be the only specimen known.

Theca ligea Hall, 1861

Holotype: not designated.

Referred specimen: UC 13144
Hall, 1861, pp. 34-35
Hall, 1862, pp. 63-64

= *Hyolithes ligea* (Hall, 1861)

Hall, 1876, pl. 27, fig. 14
Hall, 1879, pp. 195-196, pl. 32, figs. 11-12

Middle Devonian, Onondaga Limestone.

Clarence Hollow, Erie County, New York. James Hall Collection.

Remarks: UC 13144 is catalogued as a "cotype." Other "cotypes" include NYSM 11025/1 and NYSM 11025/2.

TYPE POLYPLACOPHORA

Chiton ? sp.

“Plastoplesiotype”: UC 10239

S. Weller, 1903c, pp. 173-174, pl. 13, figs. 9-10

Middle Ordovician, Trenton Limestone.

On a hill on the property of E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller Locality 174A. New Jersey Collection.

Remarks: The original of UC 10239 may be at NJSM.

Helminthochiton concinnus Richardson, 1956

“Plastoholotype”: PE 6681

Richardson, 1956, pp. 62-65, text-figs. 34-36

Smith, 1960, p. 148, fig. 33, no. 1a-c

Yochelson and Saunders, 1967, p. 12

= *Pterochiton carbonarius* (Stevens, 1858)

Hoare et al., 1972, pp. 677-678

Middle Pennsylvanian, Desmoinesean, Westphalian C, Francis Creek Shale.

Probably Pit #1, Will or Grundy Counties, Illinois. Donated by E. S. Richardson.

Remarks: The original of PE 6681 is in the collection of Mrs. John McLuckie, Coal City, Illinois.

Pterochiton carbonarius (Stevens, 1858)

See: *Helminthochiton concinnus* Richardson, 1956

TYPE SCAPHOPODA

Dentalium acutisulcatum Gurley, 1883

Holotype: not designated, to be selected from UC 6314

Referred specimens: two specimens UC 6314

Gurley, 1883, p. 7

Pennsylvanian, "Lower Coal Measures."

Newport, Vermillion County, Indiana.

Dentalium obsoletum Hall, 1858

Holotype: not designated

Referred specimen: UC 10722

Hall, 1858, p. 724, pl. 29, figs. 17-17a

= *Dentalium sublaeve* Hall in Miller, 1877, p. 244 (proposed for *D. obsoletum* preoccupied)

"*Plastoplesiotypes*": two casts UC 56397

Hall, 1858, p. 724, pl. 29, fig. 16

= *Dentalium sublaeve* Hall in Miller, 1877, p. 244 (proposed for *D. obsoletum* preoccupied)

Pennsylvanian, "Coal Measures."

Posey County, Indiana (UC Catalogue) not Iowa (Yochelson and Saunders, 1967, p. 15). Gurley Collection.

Remarks: UC 10722 is catalogued as a "cotype." The whereabouts of the other "cotypes" and the original of UC 56397 are unknown.

Dentalium primum Hall, 1858

"*Plastoholotype*": UC 22181

Hall, 1858, p. 666, pl. 23, fig. 16

= *Plagioglypta primaria* (Hall, 1858)

Girty, 1903, p. 452

Upper Mississippian, Meramec Series, Warsaw Limestone.

Hancock County, Illinois. James Hall Collection.

Dentalium sublaeve Hall *in* Miller, 1877

Referred specimens: three specimens UC 57403

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

See also: *Dentalium obsoletum* Hall, 1858

Dentalium (Laevidentalium) venustum Meek and Worthen, 1862

See: *Laevidentalium venustum* (Meek and Worthen, 1862)

Laevidentalium venustum (Meek and Worthen, 1862)

Referred specimens: three specimens UC 14873

S. Weller, 1916, p. 262, pl. 19, fig. 13 (UC 14873A)

= *Dentalium (Laevidentalium) venustum* Meek and Worthen, 1862

Yochelson and Saunders, 1967, p. 16

Upper Mississippian, Meramec Group, Ste. Genevieve Limestone

In a rock gorge just above the bridge of State Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T.2S, R.10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Laevidentalium sp.

Referred specimen: UC 48301.

Easton, 1942, p. 112, pl. 12, fig. 7

Upper Mississippian, Chester Series, Pitkin Limestone.

Fine-grained, thin-bedded limestone at base of Pitkin in low road cut on west side of road on mountain south of Jasper, Arkansas. Easton Collection.

Plagioglypta primaria (Hall, 1858)

See: *Dentalium primarium* Hall, 1858

TYPE MONOPLACOPHORA

Archinacella indianensis (Miller, 1891)

See: *Tryblidium indianense* Miller, 1891

Archinacella patelliformis (Hall, 1847)

“*Plastoplesiotype*”: UC 10235

S. Weller, 1903c, p. 174, pl. 12, figs. 1-2

Middle Ordovician, Trenton Limestone.

On a hill on the property of Mr. E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller Locality 174A. New Jersey Collection.

Remarks: *Archinacella* is a monoplacophoran (Knight and Yochelson, 1960, p. 181). The original of UC 10235 may be at NJSM

Archinacella richmondensis Ulrich *in* Ulrich and Scofield, 1897

See: *Tryblidium indianense* Miller, 1891

Cyrtocerina madisonensis (Miller, 1892)

See: *Tryblidium madisonense* Miller, 1892

Cyrtolites (Cyrtotella) pileolus (Hall, 1861)

Referred specimen: UC 12511

Hall, 1879, pp. 125-126, pl. 26, fig. 25

Middle Devonian, Hamilton Group.

At Hamilton and at Pratt's Falls in Madison County, New York. James Hall Collection.

Remarks: *Cyrtolites (Cyrtotella) pileolus* = *Cyrtotella mitella* (Hall, 1862), a monoplacophoran (Rollins et al., 1971, p. 168).

Cyrtotella mitella (Hall, 1862)

See: *Cyrtolites (Cyrtotella) pileolus* (Hall, 1861)

Helcionopsis ? reticulatus Easton, 1943*Holotype*: by original designation: UC 47202

Easton, 1943, p. 150, pl. 24, fig. 23

Upper Mississippian, Pitkin Limestone.

White finely oolitic limestone at bluffs above Highway 71, three-fourth miles southeast of West Fork, Washington County, Arkansas.

Remarks: "This genus has a Paleozoic type species although it is not currently considered to range into the late Paleozoic. One North American late Paleozoic species assigned to this taxon has not been reassigned." (Yochelson and Saunders, 1967, p. 92). *Helcionopsis* is probably a monoplacophoran, although its muscle scars are unknown (Knight and Yochelson, 1960, p. 179).**Tryblidium indianense** Miller, 1891*Holotype*: by monotypy: UC 6065

Miller, 1891, pp. 85-86, pl. 14, fig. 14

Miller, 1892a, pp. 695-696, pl. 14, fig. 14

Cumings, 1908, p. 977, pl. 34, fig. 11

Upper Ordovician, Richmond.

Fayette County, Indiana. Collected by A. C. Benedict. Gurley Collection.

Remarks: *T. indianense* = *Archinacella indianensis* (Miller, 1891) = ?*A. richmondensis* Ulrich in Ulrich and Scofield, 1897. (Bassler, 1915, p. 62.)**Tryblidium madisonense** Miller, 1892*Holotype*: by monotypy UC 6607

Miller, 1892b, p. 64, pl. 9, fig. 38

Miller, 1894, p. 318, pl. 9, fig. 38

Cumings, 1908, p. 977, pl. 39, fig. 10

= *Cyrtocerina madisonensis* (Miller, 1892) a cephalopod.

Miller and Faber, 1894a, p. 32

Upper Ordovician, Richmond, Whitewater-Saluda.

Madison, Jefferson County, Indiana. Collected by J. F. Hammell. Gurley Collection.

Tryblidium rugosum Bradley, 1930*Holotype*: by original designation: UC 5902

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, p. 234, pl. 25, figs. 10-11

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. (Published.) Sulpher [sic] Springs, Mo. 3B. (UC Catalogue.) Collected by Stuart Weller, 1896.

TYPE GASTROPODA

***Aclisina bellilineata* Miller, 1891**

Holotype: by monotypy: UC 6964

Miller, 1891, p. 85, pl. 14, fig. 10

Miller, 1892a, p. 695, pl. 14, fig. 10

S. Weller, 1898, p. 53

Branson, 1938a, p. 107

= *Donaldina bellilineata* (Miller, 1891)

Thein and Nitecki, 1974, p. 220.

Lower Mississippian, Chouteau Limestone.

Sedalia, Missouri. Sampson Collection.

***Aclisina golconda* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56345

Thein and Nitecki, 1974, pp. 157-158, fig. 66a-b

Referred specimens: two specimens UC 56346

Thein and Nitecki, 1974, pp. 157-158

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

***Aclisina marvinwelleri* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56347

Thein and Nitecki, 1974, pp. 159-161, fig. 67a-b

Referred specimens: two specimens UC 30491

Thein and Nitecki, 1974, pp. 159-161

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East

Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

Referred specimen: UC 25958

Thein and Nitecki, 1974, pp. 159-161, fig. 67c

Upper Mississippian, Chester Series, Golconda Limestone.

Three-fourths mile north of Bainbridge Church, bounded by faults 37, 38, 39, and 40 on hill, west side of State Route 398, between Bainbridge and Hawkins 400 ft. south of junction with two dead-end unpaved roads; Dawson Springs, S. W. Quadrangle, Kentucky. Collected by A. H. Sutton, 1926.

Referred specimen: UC 25029

Thein and Nitecki, 1974, pp. 159-161

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Aclisina silurensis Wing, 1925 *nomen nudum*.

Referred specimen: UC 28793

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

***Aclisina* ? sp.**

Referred specimens: two specimens UC 16118

Mather, 1915, p. 240, pl. 16, figs. 1-2

Lower Pennsylvanian, Morrow Series, Hale Formation

Station 136, western slope of East Mountain, Fayetteville, Arkansas. K. F. Mather, Donor.

Aglaoglypta maera (Hall, 1876)

See: *Bellerophon maera* Hall, 1876

Bellerophon neleus Hall, 1876

Algrus claibornensis (Whitfield, 1865)

See: *Pisania Claibornensis* Whitfield, 1865

Ampullina alabamiensis (Whitfield, 1865)

See: *Natica (Girodes) Alabamiensis* Whitfield, 1865

Ampullina erecta (Whitfield, 1865)

See: *Natica erecta* Whitfield, 1865

Ampullina reversa (Whitfield, 1865)

See: *Natica reversa* Whitfield, 1865

Anchura carinata (Mantell, 1822)

See: *Rostellaria carinata* Mantell, 1822

Anisus pattersoni (Baker, 1938)

See: *Gyraulus pattersoni* Baker, 1938

Aporrhais (Anchura) carinata (Mantell, 1822)

See: *Rostellaria carinata* Mantell, 1822

Athleta haleana (Whitfield, 1865)

See: *Mitra haleanus* Whitfield, 1865

Baylea gurleyi (Meek, 1872)

See: *Pleurotomaria gurleyi* Meek, 1872

Baylea minuta (S. Weller, 1916)

See: *Mourlonia minuta* S. Weller, 1916

Baylea okawensis Thein and Nitecki, 1974

Holotype: by original designation: UC 25040

Thein and Nitecki, 1974, p. 82, fig. 27a-c

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Baylea sinuata (S. Weller, 1916)

See: *Ptychomphalus sinuatus* S. Weller, 1916

Baylea ? sp.

See: *Cyclonema Hamiltoniae* Hall, 1862

Bellerophon bilobatus (Sowerby, 1839) var. **corrugatus** Hall, 1847

“*Plastocotype*”: UC 22198

Hall, 1847, p. 185, pl. 40, fig. 6a

Middle Ordovician, Trenton Limestone.

“At Middleville, Trenton Falls, Herkimer, Turin, Watertown, Glen’s Falls, Plattsburgh, and numerous other localities,” New York, James Hall Collection.

Remarks: B. bilobatus corrugatus = *Sinuities cancellatus corrugatus* (Hall, 1847) (Bassler, 1915, p. 1,159). UC 22198 is a cast of AMNH 782.

Bellerophon branneri S. Weller, 1897

Holotype: UC 4974A

S. Weller, 1897, pp. 269-270, pl. 21, fig. 9

= *Knightites (Cymatospira) branneri* (S. Weller, 1897)

Thein and Nitecki, 1974, p. 55

Upper Mississippian, Batesville Sandstone.

Batesville, Arkansas. S. Weller locality 2A. Collected by S. Weller, 1896.

Remarks: University of Chicago catalogues prepared by S. Weller indicate that UC 4974 consists of two specimens marked “types.” However, text in S. Weller, 1897, indicates only one specimen.

Bellerophon chesterensis S. Weller, 1920

Holotype: by original designation: UC 25322

S. Weller, 1920, p. 365, pl. 9, figs. 1-3

= *Bellerophon (Bellerophon) chesterensis* S. Weller, 1920

Thein and Nitecki, 1974, pp. 44-46, figs. 11 a-c

Referred specimen: UC 56278

J. M. Weller, 1931, pl. 42, figs. 3a-b

= *Bellerophon (Bellerophon) chesterensis* S. Weller, 1920

Thein and Nitecki, 1974, pp. 44-46, figs. 11 d-f

Referred specimen: UC 25415

S. Weller, 1920, p. 365, pl. 9, figs. 4-6

= *Bellerophon (Bellerophon) chesterensis* S. Weller, 1920
Thein and Nitecki, 1974, pp. 44-46

Referred specimens: six specimens UC 23134

S. Weller, 1920, p. 365

= *Bellerophon (Bellerophon) chesterensis* S. Weller, 1920
Thein and Nitecki, 1974, pp. 44-46

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek,
0.6 mile north of Berea School, SE $\frac{1}{4}$, sec. 22, T. 13S., R. 3E.,
Vienna Quadrangle, Illinois. Locality W. M. 18-25. Collected by
Stuart Weller, 1918

See also: *Bellerophon (Bellerophon) chesterensis* S. Weller, 1920

***Bellerophon (Bellerophon) chesterensis* S. Weller, 1920**

Holotype: see *Bellerophon chesterensis* S. Weller, 1920

Referred specimen: UC 56279

Thein and Nitecki, 1974, pp. 44-46, fig. 11 g

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T.
5S., R. 8W., 2 $\frac{3}{4}$ miles southwest of Ruma, Renault Quadrangle,
Illinois. Locality W. M. 594. Collected by Stuart Weller, 1912 and
1913.

Referred specimens: three specimens UC 31693

Thein and Nitecki, 1974, pp. 44-46

Upper Mississippian, Chester Series, basal part of Golconda Lime-
stone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek,
0.6 mile north of Berea School, SE $\frac{1}{4}$, sec. 22, T. 13S., R. 3E.,
Vienna Quadrangle, Illinois. Locality W. M. 18-25. Collected by
Stuart Weller, 1918.

Referred specimens: three specimens UC 26677

Thein and Nitecki, 1974, pp. 44-46

Upper Mississippian, Chester Series, Menard Limestone.

Tributary of Gravel Creek SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 35, T. 6S., R. 7W., 4
miles northwest of Chester, Chester Quadrangle, Illinois. Locality
W. M. 628. Collected by Stuart Weller, 1913.

Referred specimens: 11 specimens UC 30336

Thein and Nitecki, 1974, pp. 44-46

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of Creek, at 400-ft. elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W. M. 18-29. Collected by Stuart Weller, 1918.

See also: *Bellerophon chesterensis* S. Weller, 1920

***Bellerophon cincinnatiensis* Miller and Faber, 1894**

Holotype: by monotypy: UC 8796

Miller and Faber, 1894a, p. 29, pl. 1, figs. 23-24

Upper Ordovician, Maysville.

At the quarries in Cincinnati, Ohio. Faber Collection.

***Bellerophon (Bellerophon) claxtonensis* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56280

Thein and Nitecki, 1974, pp. 46-49, fig. 12 d-f

Referred specimen: UC 56281

Thein and Nitecki, 1974, pp. 46-49

Referred specimens: eight specimens UC 30473

Thein and Nitecki, 1974, pp. 46-49, fig. 11a-c (UC 30473-9), fig. 11g (UC 30473-A)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

Referred specimens: three specimens UC 26676

Thein and Nitecki, 1974, pp. 46-49

Upper Mississippian, Chester Series, Menard Limestone.

Tributary of Gravel Creek SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 35, T. 6S., R. 7W., 4 miles northwest of Chester, Chester Quadrangle, Illinois. Locality W. M. 628. Collected by Stuart Weller, 1913.

***Bellerophon crassus* Meek and Worthen, 1860**

Referred specimens: two specimens UC 31410

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

One-and-one-half miles west of Caddo, Stephens County, Texas, on Caddo-Breckenridge Road a quarter mile west of fork of Caddo-Graham Road, on south side of prominent limestone-capped hill (Locality 79.1). F. B. Plummer Collection.

Bellerophon crassus var. **incomptus** Gurley, 1884

See: *Bellerophon incomptus* Gurley, 1884

Bellerophon crassus var. **wewokanus** Girty, 1912

Referred specimens: two specimens UC 16104

Mather, 1915, p. 232, pl. 16, fig. 3-3a (only larger specimen with red dot figured)

= *Bellerophon (Bellerophon) crassus wewokanus* Girty, 1912

Yochelson and Saunders, 1967, pp. 40-41

Lower Pennsylvanian, Morrow Series, Bloyd Shale. Brentwood Limestone Member.

Station 134, an outcrop near road, 1½ miles northeast of Fayetteville, Arkansas. K. F. Mather, Donor.

Referred specimens: seven specimens UC 31861

Plummer and Moore, 1921, p. 106

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek. (Locality 129.2). F. B. Plummer Collection.

Bellerophon explanatus Hall, 1879

Holotype: by monotypy: UC 12509

Hall, 1879, pp. 109-110, pl. 26, fig. 14

= *Patellostium explanatus* (Hall, 1879)

Ulrich and Scofield, 1897, p. 854

Middle or Upper Devonian, Hamilton or Chemung Groups. Eastern New York. James Hall Collection.

Bellerophon globularis Miller and Faber, 1894

Holotype: not designated, to be selected from UC 8811

Referred specimens: two specimens UC 8811

Miller and Faber, 1894a, p. 28, pl. 1, fig. 21 (UC 8811a); fig. 22 (UC 8811B)

= *Sinuities globularis* (Miller and Faber, 1894)

Bassler, 1915, p. 1, 160

= ?*Sinuities granistriata* (Ulrich in Ulrich and Scofield, 1897)

Bassler, 1915, p. 1, 160

Upper Ordovician, Eden.

Cincinnati, Ohio. Faber Collection.

Bellerophon gorbyi Miller, 1891

Holotype: by monotypy: UC 6138

Miller, 1891, pp. 84-85, pl. 14, figs. 7-9

Miller, 1892a, pp. 694-695, pl. 14, figs. 7-9

Cumings, 1908, pp. 953-954, pl. 39, figs. 1-1b

Upper Ordovician, Maysville.

Dearborn County, Indiana. Collected by Prof. S. S. Gorby. Gurley Collection.

Bellerophon harrodi Gurley, 1883

Holotype: by monotypy: UC 6319

Gurley, 1883, p. 5

= *Pharkidonotus percarinatus* (Conrad, 1842)

J. M. Weller, 1929b, pp. 313-315, pl. 1, fig. 6a-6b

= *Bellerophon (Pharkidonotus) percarinatus* (Conrad, 1842)

Yochelson and Saunders, 1967, p. 49

Pennsylvanian, "Upper Coal Measures."

Near Oakwood, Vermillion County, Illinois. Gurley Collection.

Bellerophon incomptus Gurley, 1884

Holotype: not designated, to be selected from UC 6325

Referred specimens: two specimens UC 6325

Gurley, 1884, p. 9

= *Bellerophon crassus* var. *incomptus* Gurley 1884

J. M. Weller, 1929b, pp. 317-318, pl. 1, fig. 9a-9b (UC 6325A)

= *Bellerophon (Bellerophon) crassus incomptus* Gurley 1884

Yochelson and Saunders, 1967, p. 41

Pennsylvanian, "Coal Measures."

“From the black roof shales of coal No. 7,” Danville, Illinois. Gurley Collection.

Bellerophon jeffersonensis S. Weller, 1906

Holotype: UC 11338A

S. Weller, 1906, pp. 457-458, pl. 2 [7] fig. 24

Referred specimens: two specimens UC 11338B-C

S. Weller, 1906, pp. 457-458

= *Bellerophon (Bellerophon) jeffersonensis* S. Weller, 1906

Thein and Nitecki, 1974, p. 44

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Bellerophon Maera Hall, 1876

Referred specimen: UC 12508

Hall, 1879, pp. 119-120, pl. 26, fig. 22

Upper Devonian, Chemung Group.

Nichols, New York. James Hall collection.

Remarks: = *Aglaogypta Maera* (Hall, 1876)

Knight, 1944, p. 445

Aglaogypta = *Bellerophon (Aglaogypta)*

Knight et al. 1960, p. 1182

See also: *Bellerophon neleus* Hall, 1876

Bellerophon (Bellerophon) menardensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56282

Thein and Nitecki, 1974, pp. 49-50, fig. 13 a-c

Referred specimens: three specimens UC 25442

Thein and Nitecki, 1974, pp. 49-50

Upper Mississippian, Chester Series, Menard Limestone.

Tributary of Gravel Creek SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 35, T. 6S., R. 7W., 4 miles northwest of Chester, Chester Quadrangle, Illinois. Locality W.M. 628. Collected by Stuart Weller, 1913.

Bellerophon Mohri, Miller, 1874

Holotype: not designated, to be selected from UC 8793

Referred specimens: three specimens UC 8793

Miller, 1874, pp. 306-307, fig. 30

Miller, 1889, p. 397, text-fig. 653

Upper Ordovician, Richmond, Whitewater.

Richmond, Indiana. Faber Collection.

Remarks: Only the largest of the three specimens is figured. The drawings may be idealized or composite.

Bellerophon monroensis S. Weller, 1916

Holotype: by original designation: UC 14860

S. Weller, 1916, pp. 257-258, pl. 19, figs. 7, 8

= *Knightites (Retispira) monroensis* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 51, 54

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Bellerophon neleus Hall, 1876

"*Plastoplesiotypes*": three specimens: UC 12254

Hall, 1876, pl. 22, figs. 8, 9, 11

= *Bellerophon Maera* Hall, 1879

Hall, 1879, pp. 119-120, pl. 25, figs. 9, 12, 14

= *Aglaoglypta Maera* (Hall, 1879)

Knight, 1944, p. 445, pl. 179, fig. 18

Upper Devonian, Chemung Group.

Nichols, Tioga County, New York. James Hall Collection.

Remarks: *Aglaoglypta* = *Bellerophon (Aglaoglypta)*

Knight et al. 1960, p. 1182

The originals of UC 12254 are AMNH 4878/1.

Bellerophon nodocarinatus Hall, 1858

"*Plastoholotypes*": UC 15792 and UC 60629

Hall, 1858, p. 723, pl. 29, figs. 15 a-c
 = *Euphemus nodocarinatus* (Hall, 1858)
 Ulrich in Ulrich and Scofield, 1897, p. 855
 = *Euphemites nodocarinatus* (Hall, 1858)
 Yochelson and Saunders, 1967, p. 79
 Pennsylvanian, "Coal Measures"
 Illinois or Iowa, James Hall Collection.
Remarks: The depository of the original specimens is unknown.

Bellerophon nodocostatus Gurley, 1884

Holotype: not designated, to be selected from UC 6328
Referred specimens: two specimens UC 6328
 Gurley, 1884, pp. 9-10
 = *Bucanopsis nodocostata* (Gurley, 1884)
 J. M. Weller, 1929b, pp. 318-320, pl. 1, figs. 1-2
 = *Knightites (Retispira) nodocostata* (Gurley, 1884)
 Yochelson and Saunders, 1967, p. 115
 Pennsylvanian, "Upper Coal Measures."
 Near Oakwood, Vermillion County, Illinois. Gurley Collection.

Bellerophon ourayensis Gurley, 1884

Holotype: not designated, to be selected from UC 6327
Referred specimens: five specimens UC 6327
 Gurley, 1884, pp. 8-9
 = *Patellostium ourayense* (Gurley, 1884)
 Girty, 1903, pp. 471-473, pl. 10, figs. 10-10b
 = *Patellostium ourayensis* (Gurley, 1884)
 Yochelson and Saunders, 1967, p. 162
 Middle Pennsylvanian, Hermosa (?) Formation.
 East of Ouray Colorado. Cliffs on either side of a cascade just east of town. Gurley Collection.

Bellerophon panneus ? White, 1862

Referred specimen: UC 5937
 S. Weller, 1900, pp. 113-114, pl. 6, figs. 7-8
 Lower Mississippian, Kinderhook Series, Chonopectus Sandstone.

Upper 5 of 6 ft. of bed number 2 of Stuart Weller, 1900. This is the lower sandstone horizon. The bed is a soft, friable, yellow grit or fine sandstone. Prospect Hill, a bluff on the river bank just south of the city of Burlington, Iowa. Stuart Weller Collection.

Bellerophon patulus (Hall, 1843)

Referred specimen: UC 12510

Hall, 1879, pp. 100-103, pl. 26, fig. 10

Middle Devonian, Hamilton Group. New York.

Remarks: = *Patellostium patulus* (Hall, 1843)

Ulrich and Scofield, 1897, p. 854

= *Ptomatis patulus* (Hall, 1843)

Grabau and Shimer, 1909, p. 624

Bellerophon (Pharkidonotus) percarinatus Conrad, 1842

See: *Bellerophon harrodi* Gurley, 1883

Pharkidonotus percarinatus (Conrad, 1842)

Bellerophon (Bucania) perforatus Winchell and Marcy, 1865

"Plastoholotype": UC 57365a-c

Winchell and Marcy, 1865, pp. 100-101.

= *Bellerophon (Tremantotus) perforatus* Winchell and Marcy, 1865

Winchell and Marcy, 1865, pl. 3, fig. 7a.

= *Tremantotus alpheus* Hall, 1865

Bassler, 1915, p. 1278

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: The depository of the original of UC 57365a-c is unknown.

Bellerophon pitkinensis Snider, 1915

Holotype: by monotypy: UC 16228A

Snider, 1915, p. 115, pl. 7, figs. 6-7

Easton, 1943, p. 132

= *Bellerophon (Bellerophon) pitkinensis* Snider, 1915

Thein and Nitecki, 1974, p. 44

Referred specimen: UC 16228B

Snider, 1915, p. 115

= *Bellerophon (Bellerophon) pitkinensis* Snider, 1915

Thein and Nitecki, 1974, p. 44

Upper Mississippian, Chester Series, Pitkin Formation. Near NE corner of sec. 20, T.13 N., R.21 E, about 4 miles north and 1 mile east of Gore, Muskogee Quad., Oklahoma. Snider Collection.

Bellerophon rugopleurus Gurley, 1884

Holotype: by monotypy: UC 6326

Gurley, 1884, pp. 11-12

= *Bucanopsis nodocostata* (Gurley, 1884)

J. M. Weller, 1929b, pp. 322-323, pl. 1, fig. 3-3b

= *Knightites (Retispira) nodocostata* (Gurley, 1884)

Yochelson and Saunders, 1967, p. 115

Pennsylvanian, "Upper Coal Measures."

Near Oakwood, Vermilion County, Illinois. Gurley Collection.

Bellerophon shelbiensis Clarke and Ruedemann, 1903

Referred specimen: UC 28751

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Cook County, Illinois. Collected by M. E. Wing.

Referred specimen: UC 28752

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Stony Island Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Bellerophon strictus Dana, 1847

"*Plastoholotype*": UC 17982

Dana, 1847, p. 151

Dana, 1849, pp. 707-708, pl. 10, fig. 5

Upper Permian (Kazanian-Tartarian), Illawarra Coal Measures (Brown et al., 1968, p. 218). "Sandstone below the coal" (UC Catalogue).

Wollongong Point, Illawarra Coastal District, New South Wales, Australia. James Hall Collection.

Remarks: UC 17982 is a cast of USNM 3623.

Bellerophon sublaevis Hall, 1856

Referred specimens: three specimens UC 14859

S. Weller, 1916, p. 257, pl. 19, figs. 11, 12
 = *Bellerophon (Bellerophon) sublaevis* Hall, 1856
 Yochelson and Saunders, 1967, p. 46

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Bellerophon cf. *sublaevis* Hall, 1856

Referred specimens: five specimens UC 16105
 Mather, 1915, p. 232, pl. 16, figs. 4, 4a. (UC 16105 with red dot)
 = *Bellerophon (Bellerophon) sublaevis* Hall, 1856
 Yochelson and Saunders, 1967, p. 46

Lower Pennsylvanian, Morrow Group Bloyd Shale, Brentwood Limestone Member.

Station 135, an abandoned quarry, 3 $\frac{1}{2}$ miles northeast of Fayetteville, Arkansas. K. F. Mather, Donor.

Bellerophon tenuilineatus Gurley, 1884

Holotype: by monotypy: UC 6329
 Gurley, 1884, p. 10
 = *Bucanopsis tenuilineata* (Gurley, 1884)
 J. M. Weller, 1929b, pp. 320-322, pl. 1, fig. 4
 = *Knightites (Retispira) tenuilineata* (Gurley, 1884)
 Yochelson and Saunders, 1967, p. 115

Pennsylvanian, "Upper Coal Measures."

Near Oakwood, Vermilion County, Illinois. Gurley Collection.

See also: *Bucanopsis tenuilineata* (Gurley, 1884)

Bellerophon textiliformis Gurley, 1883

Holotype: not designated, to be selected from UC 6320

Referred specimens: five specimens UC 6320
 Gurley, 1883, p. 6
 = *Bucanopsis textiliformis* (Gurley, 1883)
 J. M. Weller, 1929b, pp. 315-317

= *Knightsites (Retispira) textiliformis* (Gurley, 1883)

Yochelson and Saunders, 1967, p. 116

Pennsylvanian, "Upper Coal Measures."

Kansas City, Missouri. Gurley Collection.

Remarks: J. M. Weller (1929b, p. 316) states that the type of *B. textiliformis* was mislaid. He figures two specimens from the Gurley collection from the same locality. Sayre (1930 [1931], pp. 129-130) examined Gurley's type and gives the horizon as Drum Limestone (Oolitic Member) of Pennsylvanian age.

See also: *Bucanopsis textiliformis* (Gurley, 1883).

Bellerophon ulrichi S. Weller, 1906

Holotype: not designated, to be selected from UC 11337.

Referred specimens: seven specimens UC 11337A-G

S. Weller, 1906, pp. 456-457, pl. 2 [7] figs. 20-23, UC 11337 A-D)

= *Bellerophon (Bellerophon) ulrichi* S. Weller, 1906

Thein and Nitecki, 1974, p. 44

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Bellerophon wewokanus Girty, 1912

Referred specimens: two specimens UC 31793

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Bellerophon sp.

Referred specimens: six specimens UC 31796

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Mid-point between Bend-San Saba Road and Colorado River, about 2

miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Remarks: Plummer and Moore list UC 31796 as "*Bellerophon* n.sp." The new species was described only in an unpublished manuscript by R. C. Moore (1919) (Plummer, 1950, p. 16).

Referred specimens: twelve specimens UC 31440
Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Remarks: Listed in UC Catalogue as *Bellerophon wewokanus* Girty.

Referred specimen: UC 26031

Fenton and Fenton, 1924, p. 176, pl. 33, figs. 12-13

Upper Devonian, Cerro Gordo member of Lime Creek Formation.

Bird Hill, on the Floyd-Cerro Gordo County Line, 5 miles west and 1 mile south of Rockford, Iowa. Fenton Collection.

Referred specimens: two specimens UC 38567

H. J. Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

In an abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

***Bellerophon* sp. undet.**

Referred specimen: UC 6664

S. Weller, 1901, p. 179, pl. 15, fig. 28

Lower Mississippian, Kinderhook, fine-grained, yellow sandstone (S. Weller, 1900 bed no. 5).

Burlington, Iowa. S. Weller Collection.

***Bembexia nodomarginata* (McChesney, 1859)**

Referred specimens: five specimens UC 31792

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Bembexia sulcomarginata (Conrad, 1842)

See: *Pleurotomaria sulcomarginata* Conrad, 1842

Bembexia waterlooensis S. Weller, 1916

Holotype: by original designation: UC 14845A

S. Weller, 1916, pp. 252-253, pl. 18, figs. 38-39

= *Euconospira waterlooensis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 86

Referred specimen: UC 14845B

S. Weller, 1916, pp. 252-253

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Borestus chesterensis (Meek and Worthen, 1861)

Referred specimens: two specimens UC 31040

Thein and Nitecki, 1974, pp. 110-113, fig. 43a-b (UC 31040-1); fig. 43e (UC 31040-2)

Upper Mississippian, Chester Series, Glen Dean Limestone.

Decomposed layers of very siliceous limestone near the bottom of the formation, exposed in the floor of the nearly straight, narrow, north-south valley tributary to Deer Creek from the south, whose mouth is situated nearly one-half mile northwest of the junction point of two widely diverging, terminal branches of the stream. The locality is at the western apex of an imaginary equilateral triangle, with other apexes of Old Salem School and Livingston School. Three-and-one-fourth miles south of Lola. Golconda Quadrangle, Kentucky. Locality W. M. GK 12. Collected by Stuart Weller, 1920.

Referred specimen: UC 30341

Thein and Nitecki, 1974, pp. 110-113, fig. 43c-d

Referred specimens: three specimens UC 30342

Thein and Nitecki, 1974, pp. 110-113

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W. M. 18-29. Collected by Stuart Weller, 1918.

Referred specimen: UC 26800

Thein and Nitecki, 1974, pp. 110-113

Upper Mississippian, Chester Series, Shetlerville bed of Renault Limestone.

South side of hill at 480-ft. elevation, west side of State Highway 34, one-half mile south of Eichorn, Illinois. SE $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 11, R. 6E., T. 12S., Golconda Quadrangle, Kentucky-Illinois. Locality W. M. 17-1. Collected by Stuart Weller, 1917.

Borestus cf. Borestus chesterensis (Meek and Worthen, 1861)

Referred specimens: two specimens UC 30474

Thein and Nitecki, 1974, p. 113, fig. 44a-c (UC 30474-1); fig. 44d (UC 30474-2)

Upper Mississippian, Chester Series, Golconda Limestone.

One and one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

Bucania batchtownensis Bradley, 1930

Holotype: by original designation: UC 5903, with a red dot

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, pp. 234-236, pl. 25, figs. 4-5

Referred specimens: two specimens UC 5903, without red dots

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, pp. 234-236

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. Collected by Stuart Weller, 1896.

Bucania chicagoensis McChesney, 1859

"*Plastoholotype*": UC 22155

McChesney, 1859, pp. 69-70

McChesney, 1865, pl. 8, figs. 5a-5b

McChesney, 1868, pp. 46-47, pl. 8, figs. 5a-5b

= *Tremanotus chicagoensis* (McChesney, 1859)

Miller, 1889, p. 428

“*Plastoplesiotype*”: UC 22156

McChesney, 1865, pl. 8, figs. 4a-4b

McChesney, 1868, p. 47, pl. 8, figs. 4a-4b

= *Tremanotus chicagoensis* (McChesney, 1859)

Miller, 1889, p. 428

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

In quarries near Chicago, Cook County, Illinois. James Hall Collection.

Remarks: McChesney's original specimens were destroyed in the Chicago Fire of 1871 (Kirk, 1955, p. 4).

Bucania costatus (James, 1872)

See: *Cyrtolites costatus* James, 1872

Bucania punctifrons primaeva Bradley, 1930

Holotype: by original designation: UC 29072

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, p. 236, pl. 25, figs. 23-24

Middle Ordovician, Kimmswick Limestone.

One mile north of Batchtown, Illinois. Collected by J. H. Bradley, Jr.

***Bucania* ? sp.**

Referred specimens: two specimens UC 4498

S. Weller, 1899, pp. 40-41, pl. 5, fig. 12 (UC 4498A)

= *Knightites (Cymatospira)* sp.

Forney and Nitecki, herein

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Bucanopsis meekiana (Swallow, 1858)

Referred specimen: UC 31795

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Remarks: Bucanopsis meekiana = *Knightites (Retispira) meekianus* (Swallow, 1858)

Yochelson and Saunders, 1967, p. 114

Bucanopsis nodocostata (Gurley, 1884)

See: *Bellerophon nodocostatus* Gurley, 1884

Bellerophon rugopleurus Gurley, 1884

Bucanopsis ornatus S. Weller, 1920

Holotype: by original designation: UC 25417

S. Weller, 1920, p. 366, pl. 9, fig. 17

= *Knightites (Retispira) ornatus* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 51-55, fig. 14 i

Referred specimen: UC 56276

S. Weller, 1920, p. 366, pl. 9, figs. 19-20

= *Knightites (Retispira) ornatus* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 51-55, figs. 14 d-f

Referred specimen: UC 25318

S. Weller, 1920, p. 336, pl. 9, figs. 15-16

= *Knightites (Retispira) ornatus* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 51-55, figs. 14 j-k

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South Branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¾ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimen: UC 56277

S. Weller, 1920, p. 366, pl. 9, fig. 18

= *Knightites (Retispira) ornatus* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 51-55, figs. 14 a-c

Upper Mississippian, Chester Series, Basal Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T.13S., R.3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25, Collected by Stuart Weller, 1918.

See also: *Knightites (Retispira) ornatus* (S. Weller, 1920)

Bucanopsis tenuilineata (Gurley, 1884)

Referred specimen: UC 11639

J. M. Weller, 1929b, pp. 320-322, pl. 1, fig. 5

= *Knightites (Retispira) tenuilineata* (Gurley, 1884)

Yochelson and Saunders, 1967, p. 115

Pennsylvanian, "Coal Measures."

Kansas City, Missouri. Gurley Collection.

See also: *Bellerophon tenuilineatus* Gurley, 1884

Bucanopsis textiliformis (Gurley, 1883)

Referred specimens: four specimens: UC 11624

J. M. Weller, 1929b pp. 315-317, pl. 1, fig. 7-8

= *Knightites (Retispira) textiliformis* (Gurley, 1883)

Yochelson and Saunders, 1967, p. 116

Pennsylvanian, "Upper Coal Measures."

Kansas City, Missouri. Gurley Collection.

Remarks: Sayre (1930 [1931], pp. 129-130) examined specimens ("types") from the Gurley Collection and gives the horizon as Drum Limestone (Oolitic Member) of Pennsylvanian age.

See also: *Bellerophon textiliformis* Gurley, 1883

Buccinanops ellipticum (Whitfield, 1865)

See: *Pseudoliva elliptica* Whitfield, 1865

Bulimnea megasoma (Say, 1824)

See: *Lymnaea cf. stagnalis jugularis* Say, 1817

Bulimorpha ? helderbergiae S. Weller, 1903

Holotype: not designated

Referred specimen: UC 10448

S. Weller, 1903c, pp. 293-294

Lower Devonian, Helderberg Limestone, Coeymans Limestone Member.

One and three-quarters miles northeast of Hainesville, Sussex County, New Jersey. S. Weller Locality 15c. New Jersey Collection.

Remarks: UC 10448 is catalogued as a "cotype." The other "cotypes" may be at NJSM.

Bulimorpha minor Thein and Nitecki, 1974

Holotype: by original designation: UC 56367

Thein and Nitecki, 1974, pp. 187-189, fig. 84a-b

Referred specimens: two specimens UC 25039

Thein and Nitecki, 1974, pp. 187-189, fig. 84g (UC 25039-A)

Upper Mississippian, Chester Series, Lower Okaw Limestone, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimens: two specimens UC 56368

Thein and Nitecki, 1974, pp. 187-189, fig. 84c-d (UC 56368-A);
fig. 84e-f (UC 56368-B)

Upper Mississippian, Chester Series, oolitic member of Lower Okaw Limestone.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24, R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Bulimorpha pygmaea S. Weller, 1916

Holotype: not designated, to be selected from UC 14867

Referred specimens: three specimens UC 14867

S. Weller, 1916, p. 260, pl. 18, figs. 7, 8

= *Girtyspira pygmaea* (S. Weller, 1916)

Knight, 1944, p. 477, pl. 195, figs. 11-12

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Bulimorpha Whitfieldi S. Weller, 1916

Holotype: not designated, to be selected from UC 14868

Referred specimens: three specimens UC 14868

S. Weller, 1916, pp. 260-261, pl. 18, figs. 15-17

Thein and Nitecki, 1974, p. 188

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map) 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Callonema ? elevatum Wing, 1925 *nomen nudum*

Referred specimens: UC 28803, UC 28802, and two specimens UC 28801

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: *Callonema* = *Elasmonema*
Knight et al., 1960, p. 1243

Callonema excavatum Wing, 1925 *nomen nudum*

Referred specimen: UC 28800 (missing).

“*Plastoplesiotype*”: UC 28800B

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: *Callonema* = *Elasmonema*
Knight et al., 1960, p. 1243

Callonema imitator (Hall and Whitfield, 1872)

See: *Pleurotomaria (Isonema) imitator* (Hall and Whitfield, 1872)

Callonema siluriense Wing, 1925 *nomen nudum*

Referred specimen: UC 28799 (missing)

“*Plastoplesiotype*”: UC 28799A

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: Callonema = Elasmonema

Knight et al., 1960, p. 1243

Cancellaria smocki S. Weller, 1907

Holotype: not designated

Referred specimen: UC 18504

S. Weller, 1907, pp. 793-794, pl. 98, fig. 2

Richards and Ramsdell, 1962, p. 87

Upper Cretaceous, Matawan Group, Woodbury Clay.

National Fireproofing Company Clay pits at Lorillard, east of Keyport, Monmouth County, New Jersey, S. Weller. Locality 102. New Jersey Collection.

Remarks: UC 18504 is catalogued as a “cotype.” The other “cotype” figured in S. Weller, 1907, pl. 98, fig. 3 and in Richards and Ramsdell, pl. 61, fig. 9 is NJSM 7722.

Capulus biserialis (Hall, 1860)

See: *Platyceras biserialis* Hall, 1860

Capulus equilateralis (Hall, 1860)

See: *Platyceras equilatera* Hall, 1860

Capulus expansus (Whitfield, 1865)

See: *Velutina (Otina) expansus* Whitfield, 1865

Capulus haliotoides (Meek and Worthen, 1866)

See: *Platystoma broadheadi* Miller, 1891

Platyceras haliotoides Meek and Worthen, 1866

Capulus nasutum (Miller, 1891)

See: *Platyceras nasutum* Miller, 1891

Capulus sp.

Referred specimen: UC 4499

S. Weller, 1899, p. 43, pl. 5, fig. 15

= *Platyceras (Orthonychia)* sp.

Yochelson and Saunders, 1967, p. 176

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Cataschisma typa Branson, 1909

Holotype: by monotypy: UC 11535 [not UC 11552]

Branson, 1909, pp. 43-44, pl. 7, fig. 15

Knight, 1941, p. 69, pl. 28, fig. 6

Middle Ordovician, Stones River Group (Black River, Knight, 1941, p. 69), Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Remarks: *C. typa* is the type species of the genus *Cataschisma* Branson, 1909.

Cerithium vinctum Whitfield, 1865

Holotype: not designated, to be selected from UC 24673

Referred specimens: four specimens UC 24673 (one missing)

Whitfield, 1865, pp. 265-266, pl. 27, fig. 8

Aldrich, 1887, p. 80

Whitfield, 1899, p. 168

Gardner, 1945, p. 158, pl. 14, figs. 3,7

= *Fastigiella vinctum* (Whitfield, 1865)

Cossmann, 1906, p. 94

= *Clava ("Ochetoclava") vincta* (Whitfield, 1865)

Palmer, 1937, pp. 217-218, pl. 29, figs. 10-11

= *Dirocerithium vinctum* (Whitfield, 1865)

Woodring, 1959, pp. 173-174

Palmer and Brann, 1966, p. 634

Middle Eocene, Upper Claiborne Group. Cook Mountain Formation.

Lisbon Bluff, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 634) *not* Vicksburg (Whitfield, 1865)

Cerithium whitfieldi (Heilprin, 1880)

See: *Rostellaria whitfieldi* Heilprin, 1880

Clava ("Ochetoclava") vineta (Whitfield, 1865)

See: *Cerithium vinctum* Whitfield, 1865

Coelocaulus basalis Wing, 1925 *nomen nudum*

Referred specimen: UC 28763

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Quarry at Stony Island, Cook County, Chicago, Illinois. Collected by M. E. Wing.

Referred specimen: UC 28764

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: *Coelocaulus* = *Michelia*

Knight et al., 1960, p. 1292

Coelocaulus macrospirus (Hall, 1852)

Referred specimen: UC 28767 (missing)

"*Plastoplesiotype*": UC 28767B

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: = *Coelocaulus macrospira* (Hall, 1852)

Knight, 1944, p. 459

Coelocaulus = *Michelia*

Knight et al., 1960, p. 1292

Coelocaulus thorntonensis Wing, 1925 *nomen nudum*

Referred specimen: UC 28766

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Referred specimen: UC 28765

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Quarry of Stony Island, Chicago, Cook County, Illinois. Collected by University of Chicago field class, 1922.

Remarks: *Coelocaulus* = *Michelia*

Knight et al., 1960, p. I292

Coelocaulus ? trilineatus Wing, 1925 *nomen nudum*

Referred specimen: UC 28768 (missing)

“*Plastoplesiotype*”: UC 28768B

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: *Coelocaulus* = *Michelia*

Knight et al., 1960, p. I292

Coelocaulus turritiformis (Hall, 1852)

Referred specimens: three specimens: UC 23128, UC 23129 (missing) and UC 23130

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Port Byron, Illinois. James Hall Collection.

Remarks: *Coelocaulus* = *Michelia*

Knight et al., 1960, p. I292

Columbella turricula Whitfield, 1865

Referred specimens: two specimens UC 24669

Whitfield, 1865, p. 261

Middle Eocene, Gosport Sand, uppermost Claiborne beds.

Claiborne Bluff, Alabama River, Monroe County, Alabama. James Hall Collection.

Remarks: UC 24669 is listed in UC Catalogue as “cotypes.” According to Whitfield and Hovey, 1901, (p. 452), and Palmer and Brann, 1966 (p. 776), the holotype figured by Whitfield, 1865, pl. 27, fig. 1 is AMNH 5532/1.

C. turricula = *Mitrella (Columbellopsis) parva* (H. C. Lea, 1841)

Palmer, 1937, pp. 277-278
Palmer and Brann, 1966, p. 776

Conradella imbricata (Meek and Worthen, 1868)

See: *Cyrtolites imbricatus* Meek and Worthen, 1868

Cordiera biconica (Whitfield, 1865)

See: *Mitra biconica* Whitfield, 1865

Crepitacella altispira Haas, 1942

Holotype: by original designation: P 28910
Haas, 1942, p. 315, text-figs. 5a-5b

Referred specimen: P 28911
Haas, 1942, p. 315, text-fig. 6

Referred specimens: 28 specimens: P 28912
Haas, 1942, p. 315

Middle Miocene

Quebradas?, Costa Rica. Exchange with Museo Nacional of Costa Rica.

Crepitacella cepula Guppy, 1866

See: *Crepitacella limnonensis* Olsson, 1922

Crepitacella limnonensis Olsson, 1922

Referred specimens: eight specimens P 28913
Haas, 1942, p. 310

Middle Miocene.

Quebradas?, Costa Rica. Exchange with Museo Nacional of Costa Rica.

Remarks: *C. limnonensis* = ? *C. cepula* Guppy, 1866
Haas, 1942, p. 315

Crepitacella sp. indet. aff. *C. altispirae* Haas, 1942

Referred specimen: P 28914
Haas, 1942, p. 316, text-fig. 7

Middle Miocene.

Quebradas? Costa Rica. Exchange with Museo Nacional of Costa Rica.

Cyclonema bilix (Conrad, 1842)

Referred specimens: two specimens UC 29418

Evans, 1926, p. 204

Thompson-Cornell, 1970, p. 240

Upper Ordovician, Maquoketa Formation.

Along the banks of Aux Sables Creek about 2 miles west of Minooka, Grundy County, Illinois. Collected by University of Chicago field class.

Cyclonema bilix var. **fluctuatum** (James, 1874)

See: *Cyclonema fluctuata* James, 1874

Cyclonema bilix lata (Meek, 1873)

See: *Cyclonema fluctuata* James, 1874

Cyclonema cincinnatiense Miller, 1882

Holotype: not designated, to be selected from two specimens UC 8872

Miller, 1882a, pp. 230-231, pl. 9, figs. 8a-8c

= *Cyclonema varicosum* Hall, 1870

Ulrich and Scofield, 1897, p. 1060

Thompson-Cornell, 1970, pp. 253-255, pl. 33, fig. 22

Middle Ordovician, Cynthiana Formation.

Newport, Campbell County, Kentucky. Faber Collection.

Cyclonema concinna Hall, 1876

“*Plastocotypes*”: three casts UC 22157

Hall, 1876, pl. 12, figs. 38-40

Hall, 1879, pp. 38-39, pl. 12, figs. 38-40

Upper Devonian, Chemung Group.

Nichols, Tioga County, New York. James Hall Collection.

Remarks: The depository of the original specimen is unknown.

Cyclonema (Dyeria) costatum (James, 1872)

See: *Cyrtolites costatus* James, 1872

Cyclonema fasciata Ball, 1928 *nomen nudum*

See: *Cyclonema* sp.

Cyclonema fluctuata James, 1874

Referred specimens: (“cotypes”): 29 specimens, UC 2453

James, 1871, p. 8 *nomen nudum*

James, 1874, pp. 152-153

= *Cyclonema bilix* var. *fluctuatum* (James, 1874)

Miller, 1889, p. 401

Ulrich and Scofield, 1897, pp. 1058-1059

= *Cyclonema bilix lata* (Meek, 1873)

Lectotype: Designated by Thompson-Cornell, 1970, p. 241, UC 2453a

Thompson-Cornell, 1970, pp. 240-242, pl. 31, figs. 12-15

Referred specimens: 28 specimens, UC 2453b

Thompson-Cornell, 1970, pp. 240-242

Upper Ordovician, Richmond.

Warren and Clinton Counties, Ohio. James Collection.

***Cyclonema globosa* S. Weller, 1916**

Holotype: by original designation: UC 14854 (missing)

S. Weller, 1916, p. 256, pl. 18, fig. 37

Upper Mississippian, Chester Series, Ste. Genevieve Limestone

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Remarks: Probably not *Cyclonema* (Yochelson and Saunders, 1967, p. 62).

***Cyclonema Hamiltoniae* Hall, 1862**

Holotype: not designated

Referred specimen: UC 12506

Hall, 1876, pl. 12, fig. 35

Hall, 1879, pp. 37-38, pl. 12, fig. 35

Middle Devonian, Hamilton Group.

Schoharie County, New York. James Hall Collection.

Remarks: UC 12506, AMNH 4884/1 (= 5406/1), and AMNH 4884/2 (= 5406/2) are "co-types."

Thompson-Cornell, 1970, pp. 260-261 notes: "Presence of ramp (selenizone?) removes *C. hamiltoniae* from *Cyclonema*; it may be *Baylea* de Koninck, 1883."

Cyclonema lirata Hall, 1861

Referred specimens: two specimens UC 12507

Hall, 1876, pl. 12, figs. 27-28

Hall, 1879, pp. 35-36, pl. 12, figs. 27-28

Middle Devonian, Hamilton Group.

Chenango and Madison Counties, New York [in text]. Schoharie County, New York [Plate explanations]. James Hall Collection.

Remarks: *Cyclonema lirata* = *Gyronema lirata* (Hall, 1861)

Rollins et al., 1971, p. 161

Cyclonema montrealensis Billings, 1865

Referred specimen: UC 37890

S. Weller, 1903c, p. 186, pl. 12, fig. 33

= *Cyclonema montrealense* Billings, 1865

Thompson-Cornell, 1970, p. 263, pl. 34, fig. 6

Middle Ordovician, Trenton Limestone.

On the property of Jesse G. Roe, on the southern brow of a hill, one-half mile east of Branchville, Sussex County, New Jersey. S. Weller, Locality 75A. New Jersey Collection.

Cyclonema (?) perstrialis Fenton and Fenton, 1924

Holotype: by original designation: UC 26042

Fenton and Fenton, 1924, pp. 179-180, pl. 41, fig. 4

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South bank of Lime Creek, Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Remarks: *Cyclonema* is unknown above the Lower Devonian (Knight et al., 1960, p. 1240). See also discussion in Thompson-Cornell, 1970, p. 255.

Cyclonema pulchellum Miller and Gurley, 1896

Holotype: UC 6472

Miller and Gurley, 1896, pp. 19-20, pl. 3, fig. 6

Mississippian, Knobstone Group

Near New Albany, Indiana. Collected by G. K. Greene. Gurley Collection.

Remarks: Probably not *Cyclonema* (Yochelson and Saunders, 1967, p. 62).

Cyclonema pyramidata James, 1874

Referred specimens ("cotypes"): three specimens UC 1539a-c
 James, 1871, p. 8 *nomen nudum*
 James, 1874, p. 152

= *Cyclonema pyramidata* James, 1874

Lectotype: designated by Thompson-Cornell, 1970, p. 250, UC 1539a
 Thompson-Cornell, 1970, pp. 249-250, pl. 33, figs. 9-11

Referred specimens: two specimens UC 1539b-c
 Thompson-Cornell, 1970, pp. 249-250, pl. 33 fig. 12
 Upper Ordovician, Fairview Formation.
 Cincinnati, Ohio. James Collection.

Cyclonema rugaelineata (Hall and Whitfield, 1872)

See: *Euomphalus (Cyclonema) rugaelineata* Hall and Whitfield, 1872

Cyclonema varicosum Hall, 1870

See: *Cyclonema cincinnatiense* Miller, 1882

Cyclonema sp.

Referred specimen: UC 14853
 S. Weller, 1916, pl. 18, fig. 32

= ? *Yunnania* sp.

Forney and Nitecki, herein

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge on state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map) 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Referred specimens: 24 specimens UC 34629
 Flint and Ball, 1926, p. 256

= *Cyclonema fasciata* Ball, 1928 *nomen nudum*
 Ball, 1928, p. 265

Middle Silurian, Late Wenlock-Early Ludlow. Bainbridge Formation.
Pisocrinus beds.

On Greither Hills about 2¼ miles southeast of Ozora, along the road from Ozora to St. Marys. Ste. Genevieve County Missouri. Collected by J. R. Ball.

Cyclora pulcella Miller, 1882

Holotype: not designated, to be selected from UC 8882

Referred specimens: three specimens UC 8882

Miller, 1882a, p. 231, pl. 9, figs. 9, 9a, 9b (UC 8882a).

Cumings, 1908, p. 962, pl. 40, figs. 7-7b.

Upper Ordovician, Richmond, Arnheim, Waynesville.

Near Versailles, Ripley County, Indiana. Faber Collection.

Remarks: *Cyclora* is probably based on steinkerns of protoconchs of some other genus, possibly *Cyclonema*. (Knight et al., 1960, p. 309).

Cyclora sp.

Referred specimen: UC 29419

Evans, 1926, p. 204

Upper Ordovician, Maquoketa Formation.

Along the banks of Aux Sables Creek, about 2 miles west of Minooka, Grundy County, Illinois. Collected by University of Chicago field class.

Remarks: *Cyclora* is probably based on steinkerns of some other genus, possibly *Cyclonema* (Knight et al., 1960, p. 1309).

Cyclosporgia discus Miller, 1891

Holotype: not designated, to be selected from seven specimens UC 6132.

Miller, 1891, p. 5, pl. 1, figs. 8-9

Miller, 1892a, p. 615, pl. 1, figs. 8-9

Miller, 1892c, p. 667, text-figs. 1195-1196

Solem and Nitecki, 1968, pp. 1,007-1,013, pl. 124, figs. 1-7.

Devonian (possibly Upper Silurian, Solem and Nitecki, 1968, p. 1,007).

Near Bunker Hill, Miami County, Illinois.

Remarks: Solem and Nitecki (1968) have shown *Cyclosporgia*, originally described as a sponge to be a gastropod operculum. They did not designate a lectotype because none of the specimens exactly match Miller's drawings.

Cyrtolites carinata Miller, 1874

Holotype: by monotypy: UC 8885

Miller, 1874, p. 311, text-fig. 32

= *Cyrtolites carinatus* (Miller, 1874)

Miller, 1889, p. 402, text-fig. 667

= ? *Cyrtolites conradi* Hall, 1862

Ulrich and Scofield, 1897, p. 863

Upper Ordovician, Utica Group, Eden.

Cincinnati, Ohio. "Within two hundred feet of low water-mark, at Bold Face Creek, opposite Fifth street, and at the excavation for Columbia avenue" (Miller, 1874, p. 311). Faber Collection.

Cyrtolites conradi Hall, 1862

See: *Cyrtolites carinata* Miller, 1874

Cyrtolites costatus James, 1872

Holotype: not designated, to be selected from UC 973

Referred specimens: three specimens UC 973

James, 1872, p. 26

= *Cyrtolites ? costatus* James, 1872

Meek, 1873, p. 150, pl. 13, figs. 1a, 1b, 1c [only 2 specimens figured]

= *Bucania costatus* (James, 1872)

Miller, 1874, p. 308

= *Dyeria costata* (James, 1872)

Ulrich and Scofield, 1897, p. 1044

= *Cyclonema (Dyeria) costatum* (James, 1872)

Knight et al., 1960, p. 1240

Upper Ordovician, Cincinnati, Maysville.

Near Morrow, Warren County, Ohio. James Collection.

Remarks: Knight, 1941, p. 105 indicates that the "type" of the genus *Dyeria* is missing. UC 973 contains the "missing" specimens from which the "type" should be selected.

Cyrtolites imbricatus Meek and Worthen, 1868

Holotype: by monotypy: UC 10724

Meek and Worthen, 1868, pp. 340-341, pl. 4, fig. 12

= *Conradella imbricata* (Meek and Worthen, 1868)

Ulrich and Scofield, 1897, pp. 911-912

= *Phragmolites imbricatus* (Meek and Worthen, 1868)

Bassler, 1915, p. 972

Upper Ordovician, Girardeau Formation.

Alexander County, Illinois. Gurley Collection.

Cyrtolites magnus Miller, 1878

Holotype: by monotypy: UC 10838

Miller, 1878, pp. 103-104, pl. 3, fig. 10

= *Oxydiscus magnus* (Miller, 1878)

Ulrich and Scofield, 1897, p. 859

Cumings, 1908, pp. 970-971, pl. 41, fig. 5

Upper Ordovician, Richmond.

Near Richmond, Wayne County, Indiana. Collected by Mrs. Warren Shumard. Haines Collection.

Cyrtolites (Cyrtionella) pileolus (Hall, 1861)

Referred specimen: UC 12511

Hall, 1879, pp. 125-126, pl. 26, fig. 25

Middle Devonian, Hamilton Group

At Hamilton and at Pratt's Falls in Madison County, New York.

James Hall Collection.

Remarks: *Cyrtolites (Cyrtionella) pileolus* = *Cyrtionella mitella* (Hall, 1862), a monoplacophoran (Rollins et al., 1971, p. 168).

Cyrtolites retrorsum Ulrich and Scofield, 1897

Referred specimen: UC 5906

Bradley, 1925, p. 56

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park Missouri [published] near Sulpher (sic) Springs Mo. 3B [UC Catalogue]. Collected by Stuart Weller, 1896.

Cyrtolitis [sic] sp.

Referred specimen: UC 29417

Evans, 1926, p. 204.

Upper Ordovician, Maquoketa Formation.

Along the banks of Aux Sables Creek about 2 miles west of Minooka, Grundy County, Illinois. Collected by University of Chicago field class.

Remarks: *Cyntolitis* is a misprint for *Cyrtolites*.

Cyrtonella mitella (Hall, 1862)

See: *Cyrtolites (Cyrtonella) pileolus* (Hall, 1861)

Cyrtospira ventricosa (Hall, 1852)

Referred specimens: five specimens UC 18094 (one missing)
Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

“*Plastoplesiotype*”: UC 28741

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: *C. ventricosa* = *Subulites (Cyrtospira) ventricosus* (Hall, 1852) (Knight, 1944, p. 477). The original of UC 28741 is at CAS.

Diaphorostoma brownsportense Foerste, 1909

Referred specimens: three specimens UC 34632

Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation.
Merista bed.

On Greither Hills about 2¼ miles southeast of Ozora along the road from Ozora to St. Marys, Ste. Genevieve County, Missouri. Collected by Stuart Weller.

Remarks: Probably one of “*Diaphorostoma* 2 sp.” in faunal list in Flint and Ball, 1926, p. 256.

Diaphorostoma = *Platyceras (Platyostoma)*

Knight et al., 1960, p. 1239

Diaphorostoma genevievensis Branson and Williams, 1922

Holotype: not designated, to be selected from: UC 23893

Referred specimens: four specimens: UC 23893

Branson and Williams, 1922, p. 156, pl. 39, figs. 7-9 (UC 23893 with red dot)

Middle Devonian, Grand Tower Limestone.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly

direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: Diaphorostoma = Platyceras (Platyostoma)
Knight et al., 1960, p. 1240

Diaphorostoma ingens Ball, 1928 *nomen nudum*

Referred specimen: UC 34631

Ball, 1928, p. 267

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation (Ball 1927, p. 328).

On Greither Hills about 2¼ miles southeast of Ozora along the road to St. Marys, Ste. Genevieve County, Missouri. Collected by Joseph Wilson.

Remarks: Probably one of “*Diaphorostoma* 2 sp.” in faunal list in Flint and Ball, 1926, p. 256.

Diaphorostoma = Platyceras (Platyostoma)
Knight et al., 1960, p. 1239

Diaphorostoma insolitum (Webster, 1906)

Referred specimens: two specimens UC 25843 (Fenton 87, 88)

Fenton and Fenton, 1924, p. 191, pl. 34, fig. 3 (Fenton 88)

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

Pit of the Rockford Brick and Tile Company, Rockford, Floyd County, Iowa. Fenton Collection.

Remarks: Diaphorostoma = Platyceras (Platyostoma)
Knight et al., 1960, p. 1240

Diaphorostoma irrasum Fenton and Fenton, 1924

Holotype: by original designation: UC 26036

Fenton and Fenton, 1924, p. 193, pl. 38, fig. 8-9

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

Bird Hill, on the Floyd-Cerro Gordo County Line, 5 miles west and 1 mile south of Rockford, Iowa. Fenton Collection.

Remarks: Diaphorostoma = Platyceras (Platyostoma)
Knight et al., 1960, p. 1240

Diaphorostoma multilineatum (Calvin, 1890)*Referred specimen:* UC 28748

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

"Plastoplesiotype": UC 28747

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: *Diaphorostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. 240

Original of UC 28747 is at CAS.

Diaphorostoma niagarensis (Hall, 1852)*"Plastoplesiotypes"*: UC 28743

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Referred specimen: UC 34633 (missing)

Flint and Ball, 1926, p. 256

Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation
Merista bed.On Greither Hills about 2¼ miles southeast of Ozora along the road
from Ozora to St. Marys, Ste. Genevieve County, Missouri.*Remarks:* *Diaphorostoma niagarensis* (Hall, 1852) = *Platyceras*
(*Platyostoma*) *cornutum* (Kindle and Breger, 1904)

Knight, 1944, p. 473

Originals of UC 28743 are CAS 2729A and 2729B.

Diaphorostoma subexpansum Wing, 1925 *nomen nudum**"Plastoplesiotype"*: UC 28746

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: *Diaphorostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. 1240

UC 28746 is a cast of CAS 2711.

Diaphorostoma cf. trigonostoma (Meek, 1873)

Referred specimens: UC 34634 and UC 34635

Flint and Ball, 1926, p. 256.

Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation.
Merista bed.

On Greither Hills about 2¼ miles southeast of Ozora along the road from Ozora to St. Marys, Ste. Genevieve County, Missouri.

Remarks: *Diaphorostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. I239

Diaphorostoma ventricosum (Conrad, 1842)

Referred specimens: three specimens UC 27508

Stewart, 1922, p. 261, pl. 70, figs. 6-8 (one specimen not figured)

Lower Devonian, Little Saline Limestone (Lower and Upper Beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: *D. ventricosum* = *Platyceras* (*Platyostoma*) *ventricosum* (Conrad, 1842)

Knight, 1944, p. 473

Diaphorostoma sp.

Referred specimen: UC 21126

Tansey, 1922, p. 207, pl. 54, figs. 25-26

Lower Devonian, Bailey Limestone (Chert).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: *Diaphorostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. I240

Dicroloma (Anchura) carinata (Mantell, 1822)

See: *Rostellaria carinata* Mantell, 1822

Dictyotomaria scitula (Meek and Worthen, 1861)

See: *Pleurotomaria scitula* Meek and Worthen, 1861

Dirocerithium vinctum (Whitfield, 1865)

See: *Cerithium vinctum* Whitfield, 1865

Dirocerithium whitfieldi (Heilprin, 1879)

See: *Rostellaria whitfieldi* Heilprin, 1880

Dolicholathyrus (Pseudolathyrus) tortilis (Whitfield, 1865)

See: *Fusus tortilis* Whitfield, 1865

Donaldina americana Thein and Nitecki, 1974

Holotype: by original designation: UC 25027

Thein and Nitecki, 1974, pp. 225-227, fig. 101a-b

Referred specimen: UC 56389

Thein and Nitecki, 1974, pp. 225-227, fig. 101d

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone). Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Referred specimen: UC 56390

Thein and Nitecki, 1974, pp. 225-227, fig. 101c

Referred specimen: UC 25021

Thein and Nitecki, 1974, pp. 225-227

Upper Mississippian, Chester Series, Oolitic member, Lower Okaw Limestone.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24, R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Referred specimens: six specimens UC 25103

Thein and Nitecki, 1974, pp. 225-227

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stewart Weller, 1913.

Donaldina bellineata (Miller, 1891)

See: *Aclisina bellilineata* Miller, 1891

Donaldina fountainensis (S. Weller, 1916)

See: *Ptychomphalus ? fountainensis* S. Weller, 1916

Donaldina marigoldensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56387

Thein and Nitecki, 1974, pp. 221-225, fig. 99c-d

Referred specimens: three specimens UC 56388

Thein and Nitecki, 1974, pp. 221-225, fig. 99e (UC 56388-A); fig. 99f (UC 56388-B); fig. 99g-h (UC 56388C)

Referred specimens: six specimens UC 25177, three specimens UC 25028 and two specimens UC 25030

Thein and Nitecki, 1974, pp. 221-225

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimen: UC 56351

Thein and Nitecki, 1974, pp. 221-225, fig. 99a-b

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimen: UC 25317

Thein and Nitecki, 1974, pp. 221-225

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¾ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Donaldina pygmaea (S. Weller, 1916)

See: *Solenospira pygmaea* S. Weller, 1916

Donaldina zadoe Thein and Nitecki, 1974

Holotype: by original designation: UC 56391

Thein and Nitecki, 1974, pp. 227-228, fig. 103a-b

Referred specimen: UC 56392

Thein and Nitecki, 1974, pp. 227-228

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

Dyeria costata (James, 1872)

See: *Cyrotolites costatus* James, 1872

Eccyliomphalus spp.

See: *Eccyliomphalus* spp.

Eccyliomphalus contiguus Ulrich *in* Ulrich and Scofield, 1897

Referred specimen: UC 37879

S. Weller, 1903c, p. 185, pl. 12, figs. 13-15

Middle Ordovician, Trenton Limestone.

On a hill on the property of Mr. E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller Locality 174A. New Jersey Collection.

Remarks: The specimen has been damaged since it was figured.

Eccyliomphalus = *Ecculiomphalus*

Knight et al., 1960, p. 1192

Eccyliomphalus subeliptica S. Weller, 1903

Holotype: not designated

Referred specimens: two specimens UC 10249

S. Weller, 1903c, p. 129

“*Plastocotype*”: UC 10215

S. Weller, 1903c, p. 129, pl. 4, fig. 6

Lower Ordovician, Beekmantown, Kittatinny Limestone.

Railroad cut of New York, Susquehanna and Western Railroad at Columbia, New Jersey. S. Weller Locality 210A. New Jersey Collection.

Remarks: UC 10249 is catalogued as "cotypes." The other "cotypes" including the specimen figured in Weller, 1903c, pl. 4, fig. 6 may be at NJSM.

Elasmonema spp.

See: *Callonema* spp.

Pleurotomaria (Isonema) imitator (Hall and Whitfield, 1872)

Ellipsoscapha mortoni (Forbes, 1845)

See: *Haminea mortoni* (Forbes, 1845)

Eotomaria ? hawthornensis Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 18103

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Eotomaria (?) robsoni Roy, 1941

Holotype: by original designation: P 28846

Roy, 1941, pp. 113-114, text-fig. 80a

Referred specimens: five specimens P 28846A

Roy, 1941, pp. 113-114, text-figs. 80d-f

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.

Collected by Ralph Robinson, John Jaynes, and S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Eotrochus marigoldensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56358

Thein and Nitecki, 1974, pp. 175-177, fig. 77c-d

Referred specimen: UC 56359

Thein and Nitecki, 1974, pp. 175-177, fig. 77a-b

Referred specimens: five specimens UC 25325

Thein and Nitecki, 1974, pp. 176-177

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2 $\frac{3}{4}$ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimen: UC 56360

Thein and Nitecki, 1974, pp. 175-177, fig. 77e-f

Referred specimens: three specimens UC 25114

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimen: UC 56361

Thein and Nitecki, 1974, pp. 175-177, fig. 77g

Referred specimens: two specimens UC 25106

Upper Mississippian, Chester Series, Lower Okaw Limestone.

One-and-one-half miles northeast of Ruma, SE $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 28, T. 4S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 620. Collected by Stuart Weller, 1913.

Referred specimen: UC 25052

Thein and Nitecki, 1974, pp. 176-177

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1 $\frac{1}{2}$ miles south of Marigold, SW $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Eotrochus sp.

Referred specimens: two specimens UC 14858

S. Weller, 1916, p. 257, pl. 18, figs. 40-41

Thein and Nitecki, 1974, p. 176

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Euconospira arkansana Mather, 1915

Holotype: not designated, to be selected from six specimens UC 16106
Mather, 1915, p. 235, pl. 15, fig. 25

Lower Pennsylvanian, Morrow Series, Bloyd Shale, Brentwood Limestone Member.

Station 134, an outcrop near road, 1½ miles northeast of Fayetteville, Arkansas. K. F. Mather, Donor.

Remarks: The figured specimen and three other "cotypes" are missing.

Euconospira sturgeoni Thein and Nitecki, 1974

Holotype: by original designation: UC 56293
Thein and Nitecki, 1974, pp. 86-88, fig. 30a-b

Referred specimens: four specimens UC 56294
Thein and Nitecki, 1974, pp. 86-88, fig. 30c (UC 56294-A); fig. 30-d (UC 56294-B); fig. 30e (UC 56294-C); fig. 30f (UC 56294-D)

Referred specimens: four specimens UC 30340
Thein and Nitecki, 1974, pp. 86-88

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW¼, SW¼, sec. 17, T. 13S., R. 4E, Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Euconospira cf. Euconospira sturgeoni Thein and Nitecki, 1974

Referred specimen: UC 37468
Thein and Nitecki, 1974, p. 88, fig. 31a-b

Upper Mississippian, Chester Series, Glen Dean Limestone.

Southern part of Dawson Springs Quadrangle, Kentucky. Collected by A. H. Sutton, 1926. Sutton (1930) describes five collecting sites from this general area. However, we are not able to pinpoint this locality exactly.

Euconospira waterlooensis (S. Weller, 1916)

See: *Bembexia waterlooensis* S. Weller, 1916

Euconospira sp. indet. 1

Referred specimen: UC 37466
Thein and Nitecki, 1974, pp. 88-89, fig. 32a-b

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles north of Bainbridge Church, a small glade-like exposure west of road, Christian County, Dawson Springs Quadrangle, Kentucky. Collected by A. H. Sutton, 1926.

Euconospira sp. indet. 2

Referred specimen: UC 30140 [not 30146]

Thein and Nitecki, 1974, p. 90, fig. 33a-b

Upper Mississippian, Chester Series, Golconda Limestone.

About 60-70 ft. above flood plain of Wiley Creek at approximately 470-ft. elevation, south of Davis Bluff. Three-and-one-half miles northeast of Princeton, 87° 45' 50" west and 37° 09' north, Olney Quadrangle, Kentucky. Locality KP 23. Collected by Stuart Weller, 1921.

Euconospira sp. indet. 3

Referred specimen: UC 25047

Thein and Nitecki, 1974, p. 90, fig. 34a-b

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W, Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Eulima ? peracuta Meek and Worthen, 1861

Holotype: by monotypy: UC 6928

Meek and Worthen, 1861, p. 466

= *Polyphemopsis peracuta* (Meek and Worthen, 1861)

Meek and Worthen, 1862, p. 148

Meek and Worthen, 1866a, p. 375, pl. 31, figs. 7a-7b

= *Meekospira peracuta* (Meek and Worthen, 1861)

Ulrich in Ulrich and Scofield, 1897, pp. 1,079-1,080

Yochelson and Saunders, 1967, pp. 126-127

= *Subulites (Polyphemopsis) peracuta* (Meek and Worthen, 1861)

Crook, 1912, p. 15.

Pennsylvanian, "Lower Coal Measures."

Jacksburg, St. Clair County, Illinois. (Meek and Worthen, 1861, p. 148). Probably Jack's Run near Freeburgh, St. Clair County, Illinois (Knight, 1932, pp. 196-197). Gurley Collection.

Remarks: Eulima ? peracuta is the type species for the genus *Meekospira* Ulrich in Ulrich and Scofield, 1897, p. 1079. UC 6928 is the specimen described and figured by Meek and Worthen. Knight's (1941, pp. 191-192) designation of a holotype from the collection of the University of Illinois is incorrect.

Euomphalopterus spp.

See: "*Pleuropterus*" spp.

Euomphalopterus alatoideus Wing, 1925 *nomen nudum*

Referred specimen: UC 28775

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Euomphalopterus gonopleurus (Winchell and Marcy, 1865)

Referred specimen: UC 28771

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Euomphalopterus halei (Hall, 1861)

See: "*Pleuropterus*" *halei* (Hall, 1861)

Pleurotomaria Halei Hall, 1861

Euomphalopterus laphami (Whitfield, 1878)

Referred specimens: UC 21862 and UC 18095 (damaged)

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Euomphalopterus spinosus Wing, 1925 *nomen nudum*

Referred specimen: UC 28773

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Remarks: UC 28773 consists of natural mold in three pieces (one missing).

Euomphalopterus thorntonensis Wing, 1925 *nomen nudum*

Referred specimen: UC 28772

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Euomphalus catilloides (Conrad, 1842)

Referred specimen: UC 16114

Mather, 1915, pp. 236-238, pl. 15, fig. 24

= *Straparollus (Amphiscapha) catilloides* (Conrad, 1842)

Yochelson and Saunders, 1967, p. 214

Lower Pennsylvanian, Morrow Series.

Station 301, 1½ miles north of Fort Gibson, Oklahoma. Collected by Stuart Weller and L. C. Snider.

Referred specimen: UC 16269

Mather, 1915, pp. 236-238

= *Straparollus (Amphiscapha) catilloides* (Conrad, 1842)

Yochelson and Saunders, 1967, p. 214

Lower Pennsylvanian, Morrow Series, Hale Formation.

Station 139, ravine on southern slope of East Mountain, Fayetteville, Arkansas. K. F. Mather, Donor.

Euomphalus cyclostomus Hall, 1858

Holotype: by monotypy: UC 10723 (missing)

Hall, 1858, p. 516, pl. 6, figs. 6a-6c

= *Straparollus* [sic] *cyclostomus* (Hall, 1858)

Kindle, 1901, p. 707

= *Straparollus cyclostomus* (Hall, 1858)

Grabau and Shimer, 1909, p. 655, text-fig. 898

Middle Devonian, shale and limestone "of the age of the Hamilton Group."

Pine Creek, Fairport, or New Buffalo, Iowa. Gurley Collection.

Euomphalus Hecale Hall, 1876

"*Plastoplesiotype*": UC 11766

Hall, 1876, pl. 16, fig. 10

= *Euomphalus (Straparollus) Hecale* Hall, 1876

Hall, 1879, p. 59, pl. 16, fig. 10

= *Straparollus hecale* (Hall, 1876)

Clarke and Ruedemann, 1903, p. 563

Upper Devonian, Chemung Group.

Meadeville, Pennsylvania. James Hall Collection.

Remarks: Original of UC 11766 may be NYSM 10521/1.

Euomphalus latus Hall, 1858

“*Plastoplesiotype*”: UC 22180

Hall, 1858, p. 605, pl. 12, fig. 7b

= *Straparollus latus* (Hall, 1858)

S. Weller, 1898, p. 605

= *Straparollus (Euomphalus) latus* Hall, 1858

Thein and Nitecki, 1974, p. 63

Lower Mississippian, Osage Series, Burlington Limestone.

Burlington, Iowa. Hall Collection.

Euomphalus (Phanerotinus) laxus Hall, 1861

See: *Phanerotinus paradoxicus* Winchell, 1863

Euomphalus (Cyclonema) rugaelineata Hall and Whitfield, 1872

Holotype: by monotypy: P 20544

Hall and Whitfield, 1872, p. 186

Hall and Whitfield, 1875, pl. 13, fig. 2

= *Cyclonema rugaelineata* (Hall and Whitfield, 1872)

Nettelroth, 1889, pp. 187-188, pl. 33, fig. 21

= *Poleumita rugaelineata* (Hall and Whitfield, 1872)

Bassler, 1915, p. 1,019

Thompson-Cornell, 1970, p. 266

Middle Silurian, Late Wenlock-Ludlow, Louisville Formation.

“At the different quarries east of the city of Louisville, Kentucky.”

Borden Collection.

Euomphalus uniangulatus Hall, 1847

“*Plastocotypes*”: UC 22215

Hall, 1847, pp. 9-10, pl. 3, figs. 1-1a

= *Straparollus uniangulatus* (Hall, 1847)

Emmons, 1855, p. 157

= *Ophileta uniangulata* (Hall, 1847)

Miller, 1889, p. 414

= *Helicotoma uniangulata* (Hall, 1847)

Knight, 1944, p. 467

Lower Ordovician, "Calciferous Sandstone"

Saratoga County, New York, James Hall Collection.

Remarks: The depository of the originals of UC 22215 is unknown.

Euomphalus sp.

Referred specimens: five specimens UC 31798 and two specimens UC 31799 (missing)

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas Locality 151.3.

Remarks: UC 31798 and UC 31799 were published as "*Euomphalus* n.sp." The new species was described in a 1919 R. C. Moore manuscript that was never published (Plummer, 1950, p. 16).

Referred specimens: five specimens UC 31862

Plummer and Moore, 1921, p. 106

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek. Locality 129.2. F. B. Plummer Collection.

Euphemites lentiformis (S. Weller, 1916)

See: *Euphemus lentiformis* S. Weller, 1916

Euphemites nodocarinatus (Hall, 1858)

See: *Bellerophon nodocarinatus* Hall, 1858

Euphemus nodocarinatus (Hall, 1858)

Euphemites randolphensis (S. Weller, 1920)

Holotype: see *Euphemus randolphensis* S. Weller, 1920

Referred specimens: three specimens UC 25320

Thein and Nitecki, 1974, pp. 38-43, text-fig. 10 h-i (UC 25320-1)

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¾ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W. M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimens: seven specimens UC 25090.

Thein and Nitecki, 1974, pp. 38-43, text-fig. 10a (UC 25090-3); text-fig. 10 b-e (UC 25090-1); text-fig. 10 l (UC 25090-5); text-fig. 10 m (UC 25090-4); text-fig. 10 n-p (UC 25090-6); text-fig. 10 q (UC 25090-F)

Upper Mississippian, Chester Series, Lower Okaw Limestone.

One-and-one-half miles northeast of Ruma, SE¼, SE¼, sec. 28, T. 4S., R. 8W., Baldwin Quadrangle, Illinois. Locality W. M. 620. Collected by Stuart Weller, 1913.

Referred specimens: nine specimens UC 31691

Thein and Nitecki, 1974, pp. 38-43, text-fig. 10g (UC 31691-1); text-fig. 10 j-k (UC 31691-2)

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W. M. 18-25. Collected by Stuart Weller, 1918.

Referred specimens: 12 specimens UC 30470

Thein and Nitecki, 1974, pp. 38-43

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W. M. KP 49. Collected by Stuart Weller, 1921.

Referred specimen: UC 26955

Thein and Nitecki, 1974, pp. 38-43

Upper Mississippian, Chester Series, Oolitic member of Renault Limestone.

Four miles west of Redbud, SW¼, SW¼, sec. 2, T. 4S., R. 9W., Renault Quadrangle, Illinois. Locality W. M. 603. Collected by Stuart Weller, 1912.

See also: *Euphemus randolphensis* S. Weller, 1920

Euphemites sp.

See: *Euphemus* ? sp.

Euphemus carbonarius (Cox, 1857)

Referred specimens: four specimens UC 31441

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut. Locality 54.1. F. B. Plummer Collection.

Referred specimen: UC 31373

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

One-and-one-half miles west of Caddo, Stephens County, Texas, on Caddo-Breckenridge Road a quarter mile west of fork of Caddo-Graham Road, on south side of prominent limestone-capped hill. Locality 79.1. F. B. Plummer Collection.

Referred specimens: three specimens UC 31860

Plummer and Moore, 1921, p. 106

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek. Locality 129.2. F. B. Plummer Collection.

Referred specimens: 21 specimens UC 23049

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment. Locality 80.2. F. B. Plummer Collection.

Referred specimens: two specimens UC 31346

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas. Locality 53.8. F. B. Plummer Collection.

Referred specimens: 18 specimens UC 38568

Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

In an abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

Euphemus incarinatus Easton, 1943

Holotype: by original designation: UC 48325

Easton, 1943, p. 150, pl. 24, fig. 22

Thein and Nitecki, 1974, p. 35

Referred specimens: numerous specimens on many pieces of limestone UC 48326 and UC 48327

Easton, 1943, p. 150

Thein and Nitecki, 1974, p. 35

Upper Mississippian, Chester Series, Pitkin Limestone.

Fine-grained, thin-bedded limestone at base of Pitkin in low road cut on west side of road on mountain south of Jasper, Arkansas. Easton Collection.

Euphemus lentiformis S. Weller, 1916

Holotype: by original designation: UC 14861A

S. Weller, 1916, p. 258, pl. 19, figs. 9-10

= *Euphemites lentiformis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 35

Referred specimens: two specimens UC 14861B

S. Weller, 1916, p. 258

= *Euphemites lentiformis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 35

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles

southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo, Illinois. Collected by Stuart Weller, 1906.

Euphemus nodocarinatus (Hall, 1858)

Referred specimens: 24 specimens UC 38569

Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

An abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

Remarks: *E. nodocarinatus* = *Euphemites nodocarinatus* (Hall, 1858) Yochelson and Saunders, 1967, p. 76

See also: *Bellerophon nodocarinatus* Hall, 1858

Euphemus randolphensis S. Weller, 1920

Holotype: by original designation: UC 25418

S. Weller, 1920, p. 365, pl. 9, fig. 7

Referred specimens: six specimens UC 23135

S. Weller, 1920, p. 365

= *Euphemites randolphensis* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 38-43

Upper Mississippian, Chester Series, Basal Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2 $\frac{3}{4}$ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W. M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimens: three specimens UC 25416

S. Weller, 1920, pl. 9, fig. 8 (UC 25416-A); figs. 9 and 10 (UC 25416-B)

= *Euphemites randolphensis* (S. Weller, 1920)

Thein and Nitecki, 1974, pp. 38-43

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE $\frac{1}{4}$, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W. M. 18-25. Collected by Stuart Weller, 1918.

See also: *Euphemites randolphensis* (S. Weller, 1920)

Euphemus ? sp.

Referred specimen: UC 4497.

S. Weller, 1899, p. 40, pl. 5, figs. 10-11.

= *Euphemites* sp.

Thein and Nitecki, 1974, p. 35.

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone. From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Euryzone arata (Hall, 1862)

Sec: *Pleurotomaria arata* Hall, 1862

Euryzone axion (Hall, 1868)

Referred specimen: UC 28753

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite. Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Referred specimen: UC 28754 (missing)

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite. Bridgeport Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Euryzone (Pleurorima) lucina (Hall, 1862)

Sec: *Pleurotomaria lucina* Hall, 1862

Euryzone ? pauper Hall, 1865

“*Plastoplesiotype*”: UC 28736

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite. Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: UC 28736 is a cast of CAS 2715A.

Euryzone ? pauper = *Trochonema pauper* (Hall, 1865)

Ball and Greacen, 1946, p. 40

Euryzone silurensis Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 28735

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Illinois.

Remarks: UC 28735 also contains a plaster cast whose original is CAS 2721A.

Euspira perspecta (Whitfield, 1865)

See: *Natica perspecta* Whitfield, 1865

Fasciolaria sp.

Referred specimens: five specimens P 5941

Logan, 1899, p. 214, pl. 25, figs. 1, 3

Upper Cretaceous, Carlile Shale, Blue Hill Shale Member

Mitchell County, Kansas (FMNH Catalogue). Collected by W. N. Logan, July, 1897.

Fastigiella vinctum (Whitfield, 1865)

See: *Cerithium vinctum* Whitfield, 1865

Ficopsis juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Ficula juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Ficus juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Floyda concentrica Webster, 1905

“*Plastoplesiotype*”: UC 26137

Webster, 1905, pp. 39-40

= *Floydia concentrica* Webster, 1905

Fenton, 1918, pp. 221-222

Fenton and Fenton, 1924, pp. 184-185, pl. 43, figs. 2-3

Upper Devonian, Lime Creek Formation, Owen Member.

Owen Grove Quarry, near Owen Creek, Portland Township, Cerro Gordo County, Iowa. Collected by C. L. Webster. Fenton Collection.

Remarks: Webster's holotype of *F. concentrica* is in USNM (Knight, 1941, p. 126). UC 26137 is listed in UC catalogue as a “Plastotype.” It may be a cast of the holotype or paratypes figured by

Knight (1941, pl. 61, fig. 2a-d). Knight gives the type locality as "Hackberry, Iowa," but according to the UC catalogue, UC 26137 is from "Owen Grove, Iowa." The proper spelling of the generic name is *Floyda* (Knight et al., 1960, p. 1302).

Floydia concentrica Webster, 1905

Referred specimen: UC 25741 (Fenton 95)

Fenton, 1918, pp. 221-222, pl. 7, fig. 5

Fenton and Fenton, 1924, pp. 184-185, pl. 34, fig. 6

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.
South bank of Lime Creek, Hackberry Grove, Portland Township,
Cerro Gordo County, Iowa. Fenton Collection.

Remarks: *Floydia* = *Floyda*

Knight et al., 1960, p. 1302

Floydia concentrica multisinuata Fenton, 1918

Holotype: by original designation: UC 25740 (Fenton 40)

Fenton, 1918, p. 223, pl. 7, fig. 4

Fenton and Fenton, 1924, p. 186, pl. 34, fig. 7

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.
Pit of Rockford Brick and Tile Company, Rockford, Floyd County,
Iowa. Fenton Collection.

Referred specimens: two specimens UC 25808

Fenton, 1918, p. 223

Fenton and Fenton, 1924, p. 186

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.
South bank of Lime Creek, Hackberry Grove, Portland Township,
Cerro Gordo County, Iowa. Fenton Collection.

Remarks: *Floydia* = *Floyda*

Knight et al., 1960, p. 1302

Floydia gigantea (Hall and Whitfield, 1873)

See: *Naticopsis gigantea* Hall and Whitfield, 1873

Fossaria dalli grandis Baker, 1938

Referred specimens: two specimens PE 3442, and PE 3443

Baker, 1938, p. 131

McGrew, 1944, p. 36

= *Stagnicola* cf. *S. reflexa* (Say, 1821)

Taylor, 1960, p. 53

= *Stagnicola palustris* (Müller, 1774)

Taylor, 1960, p. 55

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

North side of SW $\frac{1}{4}$ and south side of NW $\frac{1}{4}$, sec. 25, T.31N., R.22W. Exposures along first wash of Sand Draw on former State Highway 7, Brown County, Nebraska. Sand Draw Locality 6. (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Remarks: Taylor, 1960, pp. 53, 55 gives two specific identifications for PE 3442. *S. palustris* is probably an error.

Fulgur triserialis Whitfield, 1865

Holotype: by monotypy: UC 24515

Whitfield, 1865, p. 260

Whitfield, 1899, p. 170

= *Fulguroficus triserialis* (Whitfield, 1865)

Harris, 1899, p. 67

= *Priscoficus triserialis* (Whitfield, 1865)

Stewart, 1927, p. 380

Gardner, 1939, pp. 29-30, pl. 7, fig. 19

Palmer and Brann, 1966, p. 850

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation.

Probably Greggs Landing, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 850). Nine miles below Prarie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Fulguroficus juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Fulguroficus triserialis (Whitfield, 1865)

See: *Fulgur triserialis* Whitfield, 1865

Fusispira subfusiformis (Hall, 1847)

See: *Murchisonia subfusiformis* Hall, 1847

Fusoficula juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Fusus lorillardensis S. Weller, 1907

Holotype: by monotypy: UC 18507

S. Weller, 1907, pp. 758-759, pl. 89, fig. 9-10

Upper Cretaceous, Matawan Group, Woodbury Clay.

National Fireproofing Company clay pits at Lorillard, east of Keyport, Monmouth County, New Jersey. S. Weller, Locality 102. New Jersey Collection.

Fusus sp.

Referred specimen: P 5942

Logan, 1899, p. 215, pl. 25, fig. 5 (not fig. 2)

Upper Cretaceous, Carlile Shale, Blue Hill Shale Member

Mitchell County, Kansas (FMNH Catalogue). Collected by W. N. Logan, July, 1897.

Remarks: Although Logan described two specimens, the FMNH Catalogue indicates that P 5942 only contains one specimen.

Fusus tortilis Whitfield, 1865

Holotype: by monotypy: UC 24514

Whitfield, 1865, p. 260, pl. 27, fig. 5

Aldrich, 1887, p. 80

Gregorio, 1890, p. 81, pl. 6, fig. 12

Harris, 1896, p. 89

Whitfield, 1899, p. 170

= *Latirus tortilis* (Whitfield, 1865)

Harris, 1899, p. 45

Palmer and Brann, 1966, p. 727

= *Dolicholathyrus (Pseudolathyrus) tortilis* (Whitfield, 1865)

Cossmann, 1901, p. 25

= *Fusus (Latirus) tortilis* Whitfield, 1865

Brann and Kent, 1960, p. 399

Paleocene, Upper Midway Group, Uppermost Porters Creek Formation. Matthews Landing Beds.

Matthews Landing, Alabama River, Wilcox County, Alabama. (Palmer and Brann, 1966, p. 727). Nine miles below Prarie Bluff (Whitfield, 1865).

Gastrocopta cristata (Pilsbry and Vanatta, 1900)

Referred specimen: PE 3437

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Gastrocopta (Gastrocopta) cristata* (Pilsbry and Vanatta, 1900)
Taylor, 1960, p. 69

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska. Sand Draw Locality 5. (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Gastrocopta tappaniana (Adams, 1842)

Referred specimen: PE 3445

Baker, 1938, p. 131

McGrew, 1944, p. 36

= *Gastrocopta (Vertigopsis) tappaniana* (Adams, 1842)

Taylor, 1960, p. 72

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

North side of SW $\frac{1}{4}$ and south side of NW $\frac{1}{4}$, sec. 25, T.31N, R22W. Exposures along first wash south of Sand Draw on former State Highway 7, Brown County, Nebraska. Sand Draw Locality 6. (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Girtyspira canaliculata (Hall, 1857)

Referred specimen: UC 25036

Thein and Nitecki, 1974, pp. 218-219, fig. 98a-b

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1 $\frac{1}{2}$ miles south of Marigold, SW $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Girtyspira pygmaea (S. Weller, 1916)

See: *Bulimorpha pygmaea* S. Weller, 1916

Glabrocingulum grayvillense (Norwood and Pratten, 1855)

Neotype: P16649-1

Sloan, 1955, pp. 278-280, fig. 109

Referred specimen: P16649-3

Sloan, 1955, pp. 278-280, fig. 110

Referred specimen: P16649-2

Sloan, 1955, pp. 278-280

= *Glabrocingulum (Glabrocingulum) grayvillense* (Norwood and Pratten, 1855)

Yochelson and Saunders, 1967, pp. 86-87

Pennsylvanian, 3-inch limy marl bed in gray shale.

Twenty feet below the railroad tracks on the west bank of the Wabash River near Grayville, White County, Illinois. SW¼ of SE¼ of NW¼ of section 21, T.3S., R.14W. Collected by Henry Pratten.

Glabrocingulum (Glabrocingulum) grayvillense (Norwood and Pratten, 1855)

See: *Phanerotrema grayvillense* (Norwood and Pratten, 1855)

Glabrocingulum sp.

Referred specimen: UC 48302

Easton, 1942, p. 110, pl. 11, fig. 12

Easton, 1943, p. 132

Upper Mississippian, Chester Series, Pitkin Formation.

Northern Arkansas. Easton Collection.

Globozyga tenuistriata Thein and Nitecki, 1974

Holotype: by original designation: UC 25581

Thein and Nitecki, 1974, pp. 191-192, fig. 86a-b

Upper Mississippian, Chester Series, Golconda Limestone.

Cement Quarry northwest of Golconda, sec. 24, T. 13S., R. 6E., Golconda Quadrangle, Illinois. Collected by H. N. Toler.

Referred specimen: UC 25176

Thein and Nitecki, 1974, pp. 191-192, fig. 86c-d

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Glyptotomaria (Dictyotomaria) depressa (S. Weller, 1916)

See: *Ptychomphalus depressus* S. Weller, 1916

Glyptotomaria (Dictyotomaria) scitula (Meek and Worthen, 1861)

See: *Pleurotomaria scitula* Meek and Worthen, 1861

Glyptotomaria (Dictyotomaria) wortheni (S. Weller, 1916)

See: *Ptychomphalus wortheni* S. Weller, 1916

Glyptotomaria (Dictyotomaria) yochelsoni Thein and Nitecki, 1974

Holotype: by original designation: UC 25037

Thein and Nitecki, 1974, pp. 108-110, fig. 42a-c

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Referred specimen: UC 25104

Thein and Nitecki, 1974, pp. 108-110, fig. 42d-f

Referred specimen: UC 56301

Thein and Nitecki, 1974, pp. 108-110

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole Quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W. M. 626. Collected by Stuart Weller, 1913.

Goniasma lasallensis (Worthen, 1890)

See: *Goniospira lasallensis* (Worthen, 1890)

Goniospira lasallensis (Worthen, 1890)

Referred specimens: nine specimens UC 31863

Plummer and Moore, 1921, p. 107

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek. Locality 129.2. F. B. Plummer Collection.

Remarks: *Goniospira lasallensis* = *Goniasma lasallensis* (Worthen, 1890)

Yochelson and Saunders, 1967, pp. 90-91

Gosseletina johnsoni Thein and Nitecki, 1974

Holotype: by original designation: UC 56297

Thein and Nitecki, 1974, pp. 103-105, fig. 40d-f

Referred specimens: three specimens UC 25936

Thein and Nitecki, 1974, pp. 104-105

Upper Mississippian, Chester Series, Lower Okaw Limestone.

West bluff of the Mississippi River, above highway and railroad tracks. One mile northwest of Perryville Junction, Perry County, Missouri, Chester Quadrangle, Illinois-Missouri. Collected by Stuart Weller, 1926.

Referred specimen: UC 56298

Thein and Nitecki, 1974, pp. 104-105

Referred specimens: five specimens UC 30477

Thein and Nitecki, 1974, pp. 103-105, fig. 40a-c (UC 30477-1)

Upper Mississippian, Chester Series, Golconda Limestone.

One and one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544, Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Referred specimens: eight specimens UC 25051

Thein and Nitecki, 1974, pp. 104-105

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw Limestone (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W. M. 597. Collected by Stuart Weller, 1912.

Referred specimens: five specimens UC 25105

Thein and Nitecki, 1974, pp. 104-105

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W. M. 626. Collected by Stuart Weller, 1913.

Gyraulus altissimus (Baker, 1919)

Referred specimens: 168 specimens PE 3436

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Gyraulus parvus* (Say, 1817)

Taylor, 1960, p. 58

Latest Pliocene or earliest Pleistocene, Keim Formation (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T.31N, R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska. Sand Draw Locality 5 (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Referred specimens: 46 specimens PE 3444

Baker, 1938, p. 131

McGrew, 1944, p. 36

= *Gyraulus parvus* (Say, 1817)

Taylor, 1960, p. 58

Latest Pliocene or earliest Pleistocene, Keim Formation (Skinner and Hibbard, 1972, p. 21).

North side of SW $\frac{1}{4}$ and south side of NW $\frac{1}{4}$, sec. 25, T.31N., R.22W. Exposures along first wash south of Sand Draw on former State Highway 7, Brown County, Nebraska. Sand Draw locality 6 (Taylor, 1960, p. 34). Collected by Bryan Patterson.

***Gyraulus parvus* (Say, 1817)**

See: *Gyraulus altissimus* (Baker, 1919)

***Gyraulus pattersoni* Baker, 1938**

Holotype: by original designation: PE 5724 (FM 26128)

Baker, 1938, pp. 129-130

McGrew, 1944, p. 36

Leonard, 1957, pp. 12-13, pl. 2, figs. 4-6

= *Anisus pattersoni* (Baker, 1938)

Taylor, 1958, pp. 1149-1153

= *Anisus (Anisus) pattersoni* (Baker, 1938)

Taylor, 1960, pp. 56-57

Referred specimens: two specimens: PE 5725 (FM 26129)

Baker, 1938, pp. 129-130

McGrew, 1944, p. 36

Leonard, 1957, pp. 12-13

Latest Pliocene or earliest Pleistocene, Keim Formation (Skinner and Hibbard, 1972, p. 21).

Center of north side of sec. 34, and SE corner of SW¼, sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska. Sand Draw Locality 6. (Taylor, 1958, pp. 1151-1152). Collected by Bryan Patterson.

Gyraulus umbilicatellus (Cockerell, 1877)

See: *Menetus umbilicatellus* (Cockerell, 1877)

Gyrodos (Sigaretopsis) aperta Whitfield, 1865

See: *Natica (Gyrodos) aperta* Whitfield, 1865

Gyronema intermedium Bradley, 1930

Holotype: by original designation: UC 5897

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, p. 239, pl. 25, figs. 2-3

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. Collected by Stuart Weller, 1896.

Gyronema lirata (Hall, 1861)

See: *Cyclonema lirata* Hall, 1861

Haminea mortoni (Forbes, 1845)

Referred specimen: UC 18635

S. Weller, 1907, pp. 812-814, pl. 99, fig. 16

Upper Cretaceous, Navesink Member, Monmouth Group.

John Longstreet's Marl Pit, a little less than 1 mile southeast of Crawford's Corner and 2¼ miles a little east of north from Holmdel, Monmouth County, New Jersey.

Remarks: *Haminea mortoni* = *Ellipsoscapa mortoni* (Forbes, 1845) Richards and Ramsdell, 1962, p. 95

Helicotoma missouriensis Branson, 1909

Holotype: by monotypy: UC 11528

Branson, 1909, p. 44, pl. 7, figs. 11-12.

Middle Ordovician, Stones River Group, Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Helicotoma rawsoni Roy, 1932

Holotype: P 23356 (missing)

Roy, 1932, pp. 39-40, pl. 2, figs. 5-6

Referred specimen: P 23356a (missing)

Roy, 1932, pp. 39-40, pl. 2, fig. 7

Referred specimens: seven specimens P 23356b (missing)

Roy, 1932, pp. 39-40, pl. 2, fig. 7

Lower Ordovician, Beekmantown.

Drift dolomite on Sculpin or Kanaiotok Island, 21 miles northeast of Nain, northeastern Labrador, Canada. Collected by S. K. Roy, Rawson-MacMillan Subarctic Expedition, 1927-1928.

Helicotoma uniangulata (Hall, 1847)

See: *Euomphalus uniangulatus* Hall, 1847

Hercorhynchus jerseyensis S. Weller, 1907

Holotype: not designated, to be selected from two specimens UC 18563

S. Weller, 1907, pp. 737-738, pl. 85, figs. 18-22

Richards and Ramsdell, 1962, pp. 47-48, pl. 54, figs. 9-10

Upper Cretaceous, Raritan Formation, "Cliffwood Clays"

In a sandstone mass on the beach at Cliffwood Point near Cliffwood Beach, Monmouth County, New Jersey. S. Weller, Locality 185. New Jersey Collection.

Holopea fountainensis S. Weller, 1916

Holotype: not designated, to be selected from UC 14866.

Referred specimens: nine specimens UC 14866

S. Weller, 1916, p. 260, pl. 18, figs. 10 and 11 (two specimens figured).

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Holopea grandis Miller and Gurley, 1896

Holotype: by monotypy: UC 6614

Miller and Gurley, 1896, p. 19, pl. 2, figs. 33-34

Mississippian, Knobstone Group.

Near New Albany, Indiana. Collected by George K. Greene. Gurley Collection.

Holopea hubbardi Miller, 1892

Holotype: not designated

Referred specimens: three specimens UC 6139

Miller, 1892b, p. 62, pl. 9, figs. 39-40

Miller, 1892c, p. 694, text-fig. 1255

Miller, 1894, p. 318, pl. 9, figs. 39-40

Cumings, 1908, p. 964, pl. 40, figs. 11-11a

Upper Ordovician, Richmond, Whitewater-Saluda.

Madison, Jefferson County, Indiana. Collected by J. F. Hammell and Prof. George C. Hubbard. Gurley Collection.

Remarks: UC 6139 contains "cotypes" (UC Catalogue). Miller, 1892b, p. 62 and 1894, p. 318 mentions other specimens that may not be UC 6139. None of our specimens exactly match the figures, suggesting that the drawings are idealized or that possibly they illustrate specimens not in our collections.

Holopea ? iowaensis Webster, 1906

Referred specimen: UC 26034 (Fenton 214)

Fenton and Fenton, 1924, p. 190, pl. 38, fig. 6

Upper Devonian, Lime Creek Formation, Cerro Gordo Member.

South bank of Lime Creek, Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Holopea missouriensis Bradley, 1930

Holotype: by original designation: UC 5899

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, pp. 239-240, pl. 25, figs. 6-7

Referred specimens: two specimens UC 5898

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, pp. 239-240, pl. 25, figs. 8-9 (UC 5898 with red dot)

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri (published). Near Sulpher (sic) Springs, Mo. 3B (UC Catalogue). Collected by Stuart Weller, 1896.

Holopea niagarensis Winchell and Marcy, 1865

“*Plastoplesiotype*”: UC 28740

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: UC 28740 is a cast of CAS 2826.

Holopea paludiniformis Hall, 1847

“*Plastoholotype*”: UC 22488

Hall, 1847, p. 171, pl. 37, fig. 3a-3b

Lincklaen, 1861, pl. 3, fig. 2

Lesley, 1889, p. 284, text-fig. on p. 284

Middle Ordovician, “Trenton” Limestone.

Watertown, Jefferson County, New York, James Hall Collection.

Remarks: UC 22488 is a cast of NYSM 10144/1.

Holopea symmetrica (Hall, 1847)

Referred specimen: UC 10316

S. Weller, 1903c, p. 186, pl. 12, fig. 27

Middle Ordovician, Trenton Limestone.

On a hill, on the property of Mr. E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller Locality 174A. New Jersey Collection.

Holopea ventricosa Hall, 1847

“*Plastoholotype*”: UC 22216

Hall, 1847, p. 171, pl. 37, figs. 4a-4b

Lesley, 1889, p. 284, 2 figs. on p. 284

= *Turbo ventricosus* (Hall, 1847)

Emmons, 1855, p. 158, pl. 6, figs. 19a-19b

Middle Ordovician, Trenton Limestone.

Middleville, Herkimer County, New York.

Remarks: UC 22216 is a cast of AMNH 750.

Holopea (?) sp.

Referred specimen: P. 28853 (missing)

Roy, 1941, p. 122, text-fig. 89

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Hormotoma cylindricum Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 21860

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Referred specimen: UC 28762

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Stony Island Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. I291

Hormotoma desiderata (Hall, 1862)

See: *Murchisonia desiderata* var. Hall, 1862

Hormotoma fasciata Branson, 1909

Holotype: not designated, to be selected from two specimens UC 11509

Branson, 1909, p. 45, pl. 7, fig. 16

Middle Ordovician, Stones River Group, Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. I291

Hormotoma gracilis var. **angustata** (Hall, 1847)

Referred specimens: three specimens, UC 5907

Bradley, 1925, p. 57

Middle Ordovician, Kimmswick Limestone

Glencoe Lime Company, Glen Park, Missouri. (Published) Near Sulpher (sic) Springs Mo. 3B. (UC Catalogue) Collected by Stuart Weller, 1896.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. I291

Hormotoma labradorensis Roy, 1932

Holotype: not designated, to be selected from P 23353

Referred specimens: two specimens P 23353 (missing)
Roy, 1932, pp. 37-38, pl. 2, figs. 1-2.

Lower Ordovician, Beekmantown

Drift dolomite on Sculpin or Kanaiotok Island, 21 miles northeast of Nain, northeastern Labrador, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-28.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)
Knight et al., 1960, p. 1291

Hormotoma latiangularis Branson, 1909

Holotype: by monotypy: UC 11552
Branson, 1909, p. 45, pl. 7, fig. 13

Middle Ordovician, Stones River Group, Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)
Knight et al., 1960, p. 1291

Hormotoma minuta Roy, 1932

Holotype: by original designation: P 23354 (missing)
Roy, 1932, pp. 38-39, pl. 2, fig. 3

Lower Ordovician, Beekmantown.

Drift dolomite on Sculpin or Kanaiotok Island, 21 miles northeast of Nain, northeastern Labrador, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-28.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)
Knight et al., 1960, p. 1291

Hormotoma rotundivolvis Roy, 1941

Holotype: by original designation: P 28842
Roy, 1941, p. 111, text-fig. 78

Upper Ordovician, Richmond

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.
Collected by John Jaynes, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)
Knight et al., 1960, p. 1291

Hormotoma trentonensis Ulrich and Scofield, 1897

Referred specimens: two specimens UC 29070

Bradley, 1925, p. 57

Middle Ordovician, Kimmswick Limestone.

One mile north of Batchtown, Illinois. Collected by J. H. Bradley, Jr.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. 1291

See also: *Murchisonia bellicincta* Hall, 1847

Hormotoma sp. I

Referred specimen: P 28843

Roy, 1941, pp. 112-113, text-fig. 80a

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.

Collected by Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. 1291

Hormotoma sp. II.

Referred specimen: P 28844

Roy, 1941, pp. 112-113, text-fig. 79b

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.

Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960 p. 1291

Hormotoma sp. III

Referred specimens: two specimens P 28845

Roy, 1941, pp. 112-113, text-figs. 80c-d

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.

Collected by Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Hormotoma* = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. 1291

Ianthinopsis intercalaris (Meek and Worthen, 1860)

See: *Sphaerodoma intercalaris* (Meek and Worthen, 1860)

Ianthinopsis littonana (Hall, 1857)

Referred specimens: six specimens UC 30482

Thein and Nitecki, 1974, pp. 193-195, fig. 87a-b (UC 30482-A);
fig. 87c-d (UC 30482-B); fig. 87e-f (UC 30482-C)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation,
on southwest side of hill, 4,000 ft. east of BM 544. Princeton East
Quadrangle, Kentucky. Locality W.M. KP 49. Collected by
Stuart Weller, 1921.

Ianthinopsis medialis (Meek and Worthen, 1861)

See: *Macrocheilus medialis* Meek and Worthen, 1861

Ianthinopsis paludinaeformis (Hall, 1858)

See: *Sphaerodoma paludiniformis* [sic] (Hall, 1858)
Sphaerodoma ventricosa (Hall, 1858)

Ianthinopsis cf. Ianthinopsis paludinaeformis (Hall, 1858)

Referred specimens: four specimens UC 30489

Thein and Nitecki, 1974, pp. 195-196, fig. 88a (UC 30489-A); fig.
88b-c (UC 30489-B); fig. 88d (UC 30489-C)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation,
on southwest side of hill, 4,000 ft. east of BM 544. Princeton East
Quadrangle, Kentucky. Locality W.M. KP 49. Collected by
Stuart Weller, 1921.

Ianthinopsis primogenius (Conrad, 1835)

See: *Macrocheilus primogenia* (Conrad, 1835)
Sphaerodoma primigenius (Conrad, 1835)

Ianthinopsis sp.

See: *Sphaerodoma* sp.

Igoceras capulus Hall, 1860

See: *Metoptoma (Platyceras?) umbella* Meek and Worthen, 1866

Igoceras capulus rugosus (Meek and Worthen, 1866)

See: *Metoptoma (Platyceras ?) umbella* Meek and Worthen, 1866

Igoceras conicum (Hall, 1862)

See: *Platyceras conicum* Hall, 1862

Igoceras fissurella (Hall, 1860)

See: *Platyceras fissurella* Hall, 1860

Igoceras maximum Wing, 1925 *nomen nudum*

Referred specimen: UC 4673

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Chicago, Illinois.

Remarks: *Igoceras* Hall, 1860 = *Platyceras (Orthonychia)* Hall, 1843
Knight et al., 1960, p. 1240

Igoceras pabulocrinus (Owen, 1862)

See: *Platyceras subrectum* Hall, 1860

Igoceras plicatum (Conrad, 1840)

See: *Platyceras plicatum* (Conrad, 1840)

Igoceras subplicatum (Meek and Worthen, 1866)

See: *Platyceras (Orthonychia) subplicatum* Meek and Worthen, 1866

Kinkaidia cancellata Thein and Nitecki, 1974

Holotype: by original designation: UC 30910

Thein and Nitecki, 1974, pp. 116-117, fig. 47a-c

Referred specimen: UC 56302

Thein and Nitecki, 1974, pp. 116-117, fig. 47d-f

Upper Mississippian, Chester Series, Kinkaid Limestone.

One-thousand feet directly east of end of unimproved road and east side of Sugar Creek and west of Sells Hollow. This is a south-western slope of Goodaker Ridge, at 480-ft. elevation, about 6 miles northwest of Princeton. Olney Quadrangle, Kentucky. Locality W.M. KP 24. Collected by Stuart Weller, 1921. On 1910 map of Princeton Quadrangle there is a dirt road cutting across this locality. The 1967 map of Olney Quadrangle does not show any road.

Knightites (*Cymatospira*) *branneri* (S. Weller, 1897)

See: *Bellerophon branneri* S. Weller, 1897

Knightites (*Retispira*) *meekianus* (Swallow, 1858)

See: *Bucanopsis meekiana* (Swallow, 1858)

Knightites (*Retispira*) *monroensis* (S. Weller, 1916)

See: *Bellerophon monroensis* S. Weller, 1916

Knightites (*Cymatospira*) *montfortianus* (Norwood and Pratten, 1855)

See: *Patellostium montfortianum* (Norwood and Pratten, 1855)

Knightites (*Retispira*) *nodocostata* (Gurley, 1884)

See: *Bellerophon nodocostatus* Gurley, 1884

Bellerophon rugopleurus Gurley, 1884

Knightites (*Retispira*) *ornatus* (S. Weller, 1920)

Holotype: see *Bucanopsis ornatus* S. Weller, 1920

Referred specimens: six specimens UC 31692

Thein and Nitecki, 1974, pp. 51-55, fig. 14 g-h

Upper Mississippian, Chester Series, Basal Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25. Collected by Stuart Weller, 1918.

Referred specimen: UC 25109

Thein and Nitecki, 1974, pp. 51-55

Upper Mississippian, Chester Series, Oolitic Member of Renault Limestone.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimen: UC 26956

Thein and Nitecki, 1974, pp. 51-55

Upper Mississippian, Chester Series, Oolitic Member of Renault Limestone.

Four miles west of Redbud, SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 2, T. 4S., R. 9W., Renault Quadrangle, Illinois. Locality W.M. 603. Collected by Stuart Weller, 1912.

Referred specimen: UC 30471

Thein and Nitecki, 1974, pp. 51-55

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Referred specimens: seven specimens UC 25050

Thein and Nitecki, 1974, p. 55

Upper Mississippian, Chester Series, Marigold Oolite of Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1 $\frac{1}{2}$ miles south of Marigold, SW $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

See also: *Bucanopsis ornatus* S. Weller, 1920

Knightites (*Retispira*) tenuilineata (Gurley, 1884)

See: *Bellerophon tenuilineatus* Gurley, 1884

Bucanopsis tenuilineata (Gurley, 1884)

Knightites (*Retispira*) textiliformis (Gurley, 1883)

See: *Bellerophon textiliformis* Gurley, 1883

Bucanopsis textiliformis (Gurley, 1883)

Knightites (*Cymatospira*) welleri Thein and Nitecki, 1974

Holotype: by original designation: UC 25319

Thein and Nitecki, 1974, pp. 56-57, fig. 15a-c

Referred specimens: five specimens UC 56283-56287

Thein and Nitecki, 1974, pp. 56-57, fig. 15d-f (UC 56286); fig. 15g (UC 56285); fig. 15h-i (UC 56284); fig. 15l (UC 56283)

Upper Mississippian, Chester Series, Limestone of Lower Okaw Group.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2 $\frac{3}{4}$ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimens: One specimen UC 56288, and seven specimens UC 30472

Thein and Nitecki, 1974, pp. 56-57, fig. 15j-k (UC 30472-2)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Referred specimens: six specimens UC 30338 and two specimens UC 30339

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW¼, SW¼, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimens: UC 25107

Thein and Nitecki, 1974, pp. 56-57

Upper Mississippian, Chester Series, Lower Okaw Limestone.

One-and-one-half miles northeast of Ruma, SE¼, SE¼, sec. 28, T. 4S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 620. Collected by Stuart Weller, 1913.

Referred specimen: UC 25038

Thein and Nitecki, 1974, pp. 56-57

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Knightites (*Cymatospira*) sp.

See: *Bucania* ? sp.

Lacuna (*Lacunaria*) *Alabamensis* (Whitfield, 1865)

See: *Natica* (*Girodes*) *Alabamiensis* Whitfield, 1865

***Lacunaria alabamiensis* (Whitfield, 1865)**

See: *Natica* (*Girodes*) *Alabamiensis* Whitfield, 1865

Lacunaria erecta (Whitfield, 1865)

See: *Natica erecta* Whitfield, 1865

Lagena ? antarctica S. Weller, 1903

Holotype: UC 9713

S. Weller, 1903a, p. 416, pl. 1, figs. 4-5

S. Weller, 1903b, p. 68, pl. 11, figs. 4-5

Upper Cretaceous.

Admiralty Inlet, Louis Phillippe Land, Antarctica. 150 ft. above the sea. Stokes Collection.

Remarks: "*Lagena* Schumacher, 1817 *non* von Walker and Boys [1784] is included in *Mazzalina* Conrad, 1860. Weller's species, however, does not seem even remotely allied. Better preserved material is needed before a firm assignment could be made." (N.F. Sohl, personal communication, April 4, 1974).

Latirus tortilis (Whitfield, 1865)

See: *Fusus tortilis* Whitfield, 1865

Lepetopsis chesterensis Worthen, 1884

Referred specimen: UC 25172

Thein and Nitecki, 1974, pp. 117-119, fig. 48a-b

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912. (Not Locality 24, Thein and Nitecki, 1974, p. 119).

Referred specimen: UC 30335

Thein and Nitecki, 1974, pp. 117-119

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of Creek, at 400-ft. elevation. NW¼ SW¼, sec. 17, T. 13S, R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Lepetopsis sp. indet.

Referred specimen: UC 31694

Thein and Nitecki, 1974, p. 119, fig. 49a-b

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25. Collected by Stuart Weller, 1918.

Leptonema excavatum, Wing, 1925 *nomen nudum*

Referred specimens: two specimens, UC 28798, four specimens UC 21962, and UC 21864

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois (UC 28798 and UC 21962) and Bridgeport Quarry, (UC 21864). Chicago, Cook County, Illinois Van Horne Collection.

Leptonotis expansa (Whitfield, 1865)

See: *Velutina (Otina) expansa* Whitfield, 1865

Leptoptygma golconda Thein and Nitecki, 1974

Holotype: by original designation: UC 31704-1

Thein and Nitecki, 1974, pp. 189-190, fig. 85a-c

Referred specimen: UC 31704-2 (missing)

Thein and Nitecki, 1974, pp. 189-190

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25. Collected by Stuart Weller, 1918.

Liospira progne (Billings, 1860)

Referred specimen: UC 28948

Bradley, 1925, p. 57

Middle Ordovician, at the contact between the Kimmswick Limestone and the Plattin Limestone.

One-quarter mile south of Batchtown, Illinois. Collected by Stuart Weller.

Liospira vitruvia (Billings, 1865)

Referred specimen: UC 29408

Evans, 1926, p. 204

Upper Ordovician, Maquoketa Formation.

Along the banks of the Kankakee River at Wilmington, Will County, Illinois. Collected by University of Chicago field class.

Liospira sp.

Referred specimens: four specimens UC 11549

Branson, 1909, p. 44

Middle Ordovician, Stones River Group, Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Remarks: Branson (1909, p. 44), and the UC Catalogue indicate that UC 11549 contains only one specimen.

Lirularia magna Oldroyd, 1925

Referred specimens: nine specimens PE 5722

Oldroyd, 1925, p. 26

Lower Pleistocene, Lower San Pedro Formation.

Nob Hill at San Pedro, Los Angeles, California. Gift of S. Stillman Berry, 1959.

Remarks: *L. magna* = *Margarites (Lirularia) lirulatus* (Carpenter, 1863)

Grant and Gale, 1931, p. 841

Lophospira cf. **L. augustina minnesotensis** Ulrich and Scofield, 1897

Referred specimen: P 28839

Roy, 1941, p. 109, text-fig. 75

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Lophospira* = *Loxoplocus (Lophospira)*

Knight et al., 1960, p. 1208

Lophospira bicincta (Hall, 1847)

Referred specimens: four specimens UC 5908

Bradley, 1925, p. 56

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. Collected by Stuart Weller, 1896.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira casii (Meek and Worthen, 1868)

See: *Lophospira intermedia* Wing, 1925 *nomen nudum*

Lophospira conradi (Hall, 1868)

Referred specimens: three specimens, UC 28756 (missing)
Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by
M. E. Wing.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira elevata Wing, 1925 *nomen nudum*

Referred specimen: UC 28760
Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by
M. E. Wing.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira hammelli (Miller, 1892)

See: *Murchisonia hammelli* Miller, 1892

Lophospira hanoverensis Culbertson, 1926

Holotype: By monotypy: UC 29215
Culbertson, 1926, p. 116, figs. 1.12 - 1.13

Lower Silurian, Late Llandovery, Brassfield Limestone.

Hanover, Jefferson County, Indiana. Gift of J. A. Culbertson.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira intermedia Wing, 1925 *nomen nudum*

“*Plastoplesiotypes*”: UC 28738 and UC 28737
Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: UC 28738 is a cast of CAS 17338. UC 28737 is a cast of CAS 2709 which is listed by Ball and Greacen, 1946, p. 40, as *Lophospiracasis* (Meek and Worthen, 1868) var. *intermedia*?

Lophospira = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

***Lophospira lineata* Bradley, 1930**

Holotype: UC 29076

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, pp. 237-238, pl. 25, figs. 20-21

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. Collected by J. H. Bradley, Jr.

Remarks: *Lophospira* = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1108

***Lophospira medialis* Ulrich and Scofield, 1897**

Referred specimen: six specimens UC 37880

S. Weller, 1903c, p. 181, pl. 12, fig. 28 (largest specimen)

Middle Ordovician, Trenton Limestone.

On a hill, on the property of Mr. E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller, Locality 174A. New Jersey Collection.

Remarks: *Lophospira* = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

***Lophospira multigruma* (Miller, 1878)**

See: *Murchisonia multigruma* Miller, 1878

***Lophospira ohioensis* (James, 1878)**

See: *Pleurotomaria ohioensis* James, 1878

***Lophospira oweni* Ulrich and Scofield, 1897**

Referred specimen: UC 37881

S. Weller, 1903c, pp. 181-182, pl. 12, fig. 34

Middle Ordovician, Trenton Limestone.

On a hill on the property of Mr. E. J. Hough, just back of the mill at Jacksonburg, near Blairstown, Warren County, New Jersey. S. Weller. Locality 174A-10. New Jersey Collection.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira rotunda Wing, 1925 *nomen nudum*

Referred specimen: UC 28761

Wing, 1925, p. 312

Bretz, 1939, p. 77, pl. 3, fig. 4

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira trilineata Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 28758 and UC 28759

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: UC 28759 is on the same piece of rock as UC 28760
Lophospira elevata Wing, 1925 *nomen nudum*

Lophospira = Loxoplocus (Lophospira)

Knight et al., 1960, p. 1208

Lophospira tropidophora (Meek, 1872)

See: *Murchisonia multigruma* Miller, 1878

Pleurotomaria (Scalites?) tropidophora Meek, 1872

Lophospira sp. I.

Referred specimen: P 28840

Roy, 1941, pp. 110-111, text-fig. 76

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by John Jaynes, Rawson-MacMillan Expedition, 1927-1928.

Remarks: Lophospira = Loxoplocus (Lophospira)
Knight et al., 1960, p. 1208

Lophospira sp. II.

Referred specimen: P 28841

Roy, 1941, p. 111, text-fig. 77

Upper Ordovician, Richmond.

Silliman's Fossil Mount. Frobisher Bay, Baffin Land, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Lophospira* = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

Loxonema boydii (Hall, 1843)

"Plastoplesiotype": UC 28794

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: Original of UC 28794 is probably CAS 2834A.

Loxonema cara Dawson, 1883

Holotype: by monotypy: UC 6353 (missing)

Dawson, 1883, p. 412

= *Zygopleura cara* (Dawson, 1883)

Bell, 1929, pp. 179-180, pl. 31, fig. 21

= *Palaeostylus* (*Pseudozygopleura*) *carus* (Dawson, 1883)

Yochelson and Saunders, 1967, p. 154

Middle Mississippian, Visean, Lower Windsor Group.

Windsor, Hants County, Nova Scotia, Canada. Gurley Collection.

Loxonema chicagoense Wing, 1925 *nomen nudum*

Referred specimen: UC 28795

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Stony Island Quarry, Chicago, Cook County, Illinois. Collected by University of Chicago field class.

Loxonema jerseyensis S. Weller, 1903

Holotype: not designated, to be selected from UC 10465

Referred specimens: three specimens UC 10465

S. Weller, 1903c, pp. 335-336, pl. 43, figs. 8-10

Lower Devonian, "Lower" Oriskany Formation.

In Sussex County, New Jersey at the Old William Nearpass Quarry on the farms of Sanford Nearpass and John Bigart about 3 miles

south of Port Jervis, New York. S. Weller Locality 2A33. New Jersey Collection.

Loxonema leda Hall, 1868

Referred specimens: UC 21956

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Remarks: UC 21956 contains one natural mold and two natural casts.

Loxonema styliola Hall, 1876

“Plastocotypes”: two casts UC 22159

Hall, 1876, pl. 14, figs. 8-9

Hall, 1879, p. 48-49, pl. 14, figs. 8-9

Upper Devonian, Upper Chemung.

At Nichols, Tioga County, New York. James Hall Collection.

Remarks: The depository of the original specimens is unknown.

Loxonema subfusiformis (Hall, 1847)

See: *Murchisonia subfusiformis* Hall, 1847

Loxonema terebra Hall, 1876

“Plastocotypes”: two casts UC 22158

Hall, 1876, pl. 14, figs. 6-7

Hall, 1879, p. 48, pl. 14, figs. 6-7

Grabau and Shimer, 1909, p. 694, text-fig. 992

Knight, 1944, p. 461, pl. 186, fig. 21

Upper Devonian, Upper Chemung.

In Tioga and Chemung Counties, New York. James Hall Collection.

Remarks: The depository of the original specimens is unknown.

Loxonema wortheni S. Weller, 1916

Holotype: UC 56394

S. Weller, 1916, p. 261, pl. 18, fig. 20

= *Pseudozygopleura wortheni* (S. Weller, 1916)

Knight, 1944, p. 461, pl. 187, fig. 3

= *Palaeozygopleura wortheni* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 183-184, fig. 81d-e

Referred specimen: UC 14869

S. Weller, 1916, p. 261, pl. 18, fig. 18

= *Pseudozygopleura wortheni* (S. Weller, 1916)

Knight, 1944, p. 461, pl. 187, fig. 4

= *Palaeozygopleura wortheni* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 184

Referred specimen: UC 56395

S. Weller, 1916, p. 261, pl. 18, fig. 19

= *Pseudozygopleura wortheni* (S. Weller, 1916)

Knight, 1944, p. 461, pl. 187, fig. 5

= *Palaeozygopleura wortheni* (S. Weller, 1916)

Thein and Nitecki, p. 184

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle, map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW $\frac{1}{4}$, sec. 27, T.2S., R.10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

See also: *Palaeozygopleura wortheni* (S. Weller, 1916)

Loxonema sp.

Referred specimen: UC 5967

S. Weller, 1899, p. 44, pl. 5, fig. 5

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Loxonema ? sp.

Referred specimen: UC 10449

S. Weller, 1903c, p. 294, pl. 32, fig. 10

Lower Devonian, Helderberg Limestone, Coeymans Limestone Member.

One-and-three-quarters miles northeast of Hainesville, Sussex County, New Jersey. S. Weller Locality 15c. New Jersey Collection.

Loxoplocus (Lophospira) spp.

See: *Lophospira* spp.

Lymnaea caperta Say, 1829

See: *Stagnicola caperta* (Say, 1829)

Lymnaea cf. stagnalis jugularis Say, 1817

Referred specimens: fragments PE 3440

Baker, 1938, p. 131

McGrew, 1944, p. 36

= *Bulimnea megasoma* (Say, 1824)

Taylor, 1960, p. 56

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21)

North side of SW¼ and south side of NW¼, sec. 25, T. 31N., R. 22W. Exposures along first wash south of former State Highway 7, Brown County, Nebraska. Sand Draw Locality 6. (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Maclurea magna (Lesueur, 1818)

“*Plastoplesiotype*”: UC 57383

Hall, 1847, pp. 26-27, pl. 5, figs. 1a-1e

= *Maclurites magnus* Lesueur, 1818

Bassler, 1915, p. 779

Middle Ordovician, Chazy Limestone

Probably Chazy, Clinton County, New York. James Hall Collection.

Remarks: UC 57383 is a cast of NYSM 10180/1.

Maclurea manitobensis Whiteaves, 1890

“*Plastoplesiotype*”: UC 32933

Whiteaves, 1893, pp. 324-326, text-fig. on p. 324

= *Maclurina manitobensis* (Whiteaves, 1890)

Ulrich and Scofield, 1897, p. 1,041

Knight, 1941, pp. 183-184, pl. 65, fig. 2

= *Maclurea (Maclurina) manitobensis* Whiteaves, 1890

Whiteaves, 1897, pp. 194-197, text-fig. 11

Middle Ordovician, Trenton Limestone

Jack Fish Island, Lake Winnipeg, Manitoba, Canada. Collected by Mr. Lambe.

Remarks: UC 32933 is a cast of Canadian National Museum 7101.

Maclurina = *Maclurites*.

Knight et al., 1960, p. 1189.

Maclurina cuneata (?) (Whitfield, 1882)

Referred specimens: three specimens P 28848

Roy, 1941, pp. 117-119, text-fig. 82-83

Upper Ordovician, Richmond

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by Ralph Robinson, John Jaynes, and Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Maclurina* = *Maclurites*

Knight et al., 1960, p. I 189

Maclurina manitobensis (?) (Whiteaves, 1890)

Referred specimen: P 28847

Roy, 1941, pp. 115-117, text-fig. 81

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by John Jaynes, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *Maclurina* = *Maclurites*

Knight et al., 1960, p. I 189

See also: *Maclurea manitobensis* Whiteaves, 1890

Maclurites bigsbyi dixonensis (Ulrich *in* Ulrich and Scofield, 1897)

Referred specimen: UC 25936A

Fenton, 1928, pp. 137-138, pl. 7, figs. 6-7

Referred specimen: UC 33422 (operculum)

Fenton, 1928, pp. 137-138, pl. 7, figs. 1-3

Referred specimen: UC 33423 (operculum)

Fenton, 1928, pp. 137-138, pl. 7, figs. 4-5

Middle Ordovician, Plattin Limestone.

On south Beckett Hill, a large hill south of the Beckett Hills and east of the River Aux Vases, near Ozora, Ste. Genevieve County, Missouri. The outcrop extends west of the hill and in a south-easterly direction to the Little Saline Creek.

Remarks: UC 33423 has been damaged since it was figured.

Maclurites crassus ? (Ulrich and Scofield, 1897)

Referred specimens: three specimens P 28849 (one missing)

Roy, 1941, pp. 119, 121, text-fig. 84 (missing), and text-fig. 85

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by Ralph Robinson, John Jaynes, and Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Maclurites magnus Lesueur, 1818

See: *Maclurea magna* (Lesueur, 1818)

Maclurites (?) sp.

Referred specimen: P 28850

Roy, 1941, p. 121, text-fig. 86

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by Sharat K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Maclurites spp.

See: *Maclurea* spp.

Maclurina spp.

Macrocheilus medialis Meek and Worthen, 1861

Holotype: by monotypy: UC 7908

Meek and Worthen, 1861, pp. 466-467

Meek and Worthen, 1866a, p. 370, pl. 31, figs. 5a-5b

= *Soleniscus (Macrocheilus) medialis* (Meek and Worthen, 1861)

White, 1884, p. 156

= *Soleniscus medialis* (Meek and Worthen, 1861)

Herrick, 1887, pl. 14, explanation of fig. 4

= *Sphaerodoma medialis* (Meek and Worthen, 1861)

Keyes, 1890, p. 306

= *Soleniscus (Macrochilina) medialis* (Meek and Worthen, 1861)

Knight, 1931, pp. 217-219

= *Strobus medialis* (Meek and Worthen, 1861)

Knight, 1944, p. 479

= *Ianthinopsis medialis* (Meek and Worthen, 1861)

Yochelson and Saunders, 1967, pp. 101-102

Pennsylvanian, "Upper Coal Measures."

Springfield, Illinois, Gurley Collection.

Remarks: "Holotype" of *M. medialis* in the collection of the University of Illinois is neither *M. medialis* nor is it the specimen figured by Meek and Worthen, 1866 (Knight, 1931, pp. 217-219).

Macrocheilus primogenia (Conrad, 1835)

"*Plastoplesiotypes*": two sulfur casts UC 57381a-b

Hall, 1858, p. 720, figs. 11a-b

= *Soleniscus?* (*Macrocheilus*) *primigenius* (Conrad, 1835)

White, 1884, p. 187

= *Sphaerodoma primogenia* (Conrad, 1835)

Keyes, 1894, p. 215

= *Soleniscus* (*Macrochilina*) *primigenius* (Conrad, 1885)

Knight, 1931, pp. 297-213, pl. 22, fig. 2j

= *Strobeus primigenia* (Conrad, 1835)

Knight, 1936, p. 533

= *Ianthinopsis primogenius* (Conrad, 1835)

Yochelson and Saunders, 1967, pp. 104-105

Pennsylvanian, "Coal Measures."

Ohio, Indiana, Illinois and Iowa (Hall, 1858, p. 720). Grayville, Edwards County, Illinois (Knight, 1931, p. 208). James Hall Collection.

Remarks: UC 57381a-b is a cast of AMNH 5257/1.

Margarites (Lirularia) lirulatus (Carpenter, 1863)

See: *Lirularia magna* Oldroyd, 1925

Mazzalina sp.

See: *Lagena? antarctica* S. Weller, 1903

Meekospira bamboiformis Thein and Nitecki, 1974

Holotype: by original designation: UC 56370

Thein and Nitecki, 1974, pp. 198-201, fig. 90c-d

Referred specimen: UC 56371

Thein and Nitecki, 1974, pp. 198-201, fig. 90a-b

Referred specimen: UC 56372

Thein and Nitecki, 1974, pp. 198-201, fig. 90e-f

Referred specimens: eight specimens UC 25049

Thein and Nitecki, 1974, pp. 198-201, fig. 90g (UC 25049-A)

Upper Mississippian, Chester Series, Lower Okaw Limestone, Marigold Oolite, Haney Limestone.

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimens: four specimens UC 25129

Thein and Nitecki, 1974, pp. 198-201

Upper Mississippian, Chester Series, Lower Okaw, Evansville Oolite. Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: three specimens UC 56373

Thein and Nitecki, 1974, pp. 198-201

Upper Mississippian, Chester Series, Lower Okaw Limestone, Oolite Member.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24, R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Meekospira batteni Thein and Nitecki, 1974

Holotype: by original designation: UC 56374

Thein and Nitecki, 1974, pp. 201-206, fig. 92c-d

Referred specimen: UC 56375

Thein and Nitecki, 1974, pp. 201-206, fig. 92a

Referred specimen: UC 56376

Thein and Nitecki, 1974, pp. 201-206, fig. 92b

Referred specimen: UC 56377

Thein and Nitecki, 1974, pp. 201-206, fig. 92e-f

Referred specimens: 11 specimens UC 25048

Thein and Nitecki, 1974, pp. 201-206, fig. 92g (UC 25048-A)

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Meekospira choctawensis Girty, 1912

See: *Meekospira peracuta choctawensis* Girty, 1912

Meekospira evansvillensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56378

Thein and Nitecki, 1974, pp. 206-213, fig. 94a-b

Referred specimen: UC 56379

Thein and Nitecki, 1974, pp. 206-213, fig. 94d-e

Referred specimen: UC 56380

Thein and Nitecki, 1974, pp. 206-213, fig. 94c

Referred specimens: 16 specimens UC 25043

Thein and Nitecki, 1974, pp. 206-213

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimen: UC 56381

Thein and Nitecki, 1974, pp. 206-213, fig. 94g

Referred specimen: UC 56382

Thein and Nitecki, 1974, pp. 206-213, fig. 94f

Referred specimens: 29 specimens UC 25120

Thein and Nitecki, 1974, pp. 206-213, fig. 94h (UC 25120-A)

Referred specimens: six specimens UC 25119

Thein and Nitecki, 1974, pp. 206-213

Upper Mississippian, Chester Series, Lower Okaw, Evansville Oolite.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S, R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: 13 specimens UC 30486

Thein and Nitecki, 1974, pp. 206-213

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Meekospira minuta S. Weller, 1916

Holotype: UC 14870

S. Weller, 1916, pp. 261-262, pl. 18, fig. 9

Thein and Nitecki, 1974, pp. 213-216

Upper Mississippian, Chester Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Referred specimen: UC 56383

Thein and Nitecki, 1974, pp. 213-216, fig. 96a-b

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Meekospira mississippiensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56384

Thein and Nitecki, 1974, pp. 215-217, fig. 97c-d

Referred specimen: UC 56385

Thein and Nitecki, 1974, pp. 215-217, fig. 97a-b

Referred specimen: UC 56386

Thein and Nitecki, 1974, pp. 215-217, fig. 97e-f

Referred specimens: 12 specimens UC 30490

Thein and Nitecki, 1974, pp. 215-217, fig. 97g (UC 30490-A)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky, Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Meekospira peracuta (Meek and Worthen, 1861)

Referred specimen: UC 31797

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas. Locality 151.3. F. B. Plummer Collection.

See also: *Eulima ? peracuta* Meek and Worthen, 1861

Meekospira peracuta choctawensis Girty, 1912

Referred specimens: 17 specimens UC 23047

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment, Locality 80.2. F. B. Plummer Collection.

Remarks: *Meekospira peracuta choctawensis* = *Meekospira choctawensis* Girty, 1912

Yochelson and Saunders, 1967, p. 126

Meekospira ? sp.

Referred specimen: UC 16119

Mather, 1915, p. 240, pl. 16, fig. 6

Lower Pennsylvanian, Morrow Series.

Station 301, 1½ miles north of Fort Gibson, Oklahoma. Collected by Stuart Weller and L. C. Snider. K. F. Mather, Donor.

Menetus kansasensis Baker, 1938

Referred specimens: 29 specimens PE 3434

Baker, 1938, pp. 129-131

McGrew, 1944, p. 36

= *Promenetus (Promenetus) kansasensis* (Baker, 1938)

Taylor, 1960, pp. 59-60

Latest Pliocene or earliest Pleistocene, Keim Formation (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW¼ sec. 27, T. 31N., R. 22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska. Sand Draw Locality 5. (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Menetus umbilicatellus (Cockerell, 1877)

Referred specimens: 77 specimens PE 3435.

Baker, 1938, p. 130

= *Gyraulus umbilicatellus* (Cockerell, 1887)

McGrew, 1944, p. 36

= *Promenetus umbilicatellus* (Cockerell, 1887)

Baker, 1945, p. 182

= *Promenetus (Phreatomenetus) umbilicatellus* (Cockerell, 1887)

Taylor, 1960, pp. 60-61

Latest Pliocene or earliest Pleistocene, Keim Formation (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$, sec. 27, T. 31N., R. 22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska. Sand Draw Locality 5 (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Mesalia alabamiensis (Whitfield, 1865)

See: *Potamides Alabamiensis* Whitfield, 1865

Metoptoma (Platyceras ?) umbella Meek and Worthen, 1866

"*Plastocotypes*": UC 15793 and UC 15795

Meek and Worthen, 1866a, p. 267

= *Metoptoma ? umbella* Meek and Worthen, 1866

Meek and Worthen, 1868, pp. 506-507, pl. 15, figs. 6a-6b (UC 15795); fig. 7 (UC 15793)

= *Metoptoma ? umbella* var. *rugosa* Meek and Worthen, 1868

Meek and Worthen, 1868, caption to pl. 15, figs. 6a-b (UC 15795)

= *Igoceras capulus* Hall, 1860

S. Weller, 1898, p. 312

Lower Mississippian, Osage Series, Burlington Limestone.

Quincy ? Illinois (UC 15793); Jersey Landing, Illinois (UC 15795).

Remarks: UC 15795 listed in UC Catalogue as "plastoetype" of *Igoceras capulus rugosus* (Meek and Worthen, 1866). UC 15793 listed as "plastocotype" of *Metoptoma ? umbella* Meek and Worthen, 1866. Originals of UC 15793 and UC 15795 are University of Illinois, X-176.

Michelia spp.

See: *Coelocaulus* spp.

Mitra biconica Whitfield, 1865

Holotype: by monotypy: UC 24519

Whitfield, 1865, p. 263

Gregorio, 1890, p. 74

Whitfield, 1899, p. 172

= *Mitra (Cordiera) biconica* Whitfield, 1865

Aldrich, 1887, p. 80

= *Cordieria (sic) biconica* (Whitfield, 1865)

Harris, 1937, p. 61, pl. 11, figs. 6-6a

= *Cordiera biconica* (Whitfield, 1865)

Palmer and Brann, 1966, p. 600

Middle Eocene, Upper Claiborne Group. Cook Mountain Formation. Probably Lisbon, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 600) *not* six miles below Prairie Bluff (Whitfield, 1865). Collected by T. J. Hale, James Hall Collection.

Mitra Haleanus Whitfield, 1865

Holotype: not designated, to be selected from UC 24672

Referred specimens: five specimens UC 24672

Whitfield, 1865, p. 263, pl. 27, fig. 6 (UC 24672 with red dot)

Aldrich, 1887, p. 80

Gregorio, 1890, pp. 74-75, pl. 5, fig. 8

= *Volutilithes haleanus* (Whitfield, 1865)

Smith, 1906, p. 69

= *Athleta haleana* (Whitfield, 1865)

Palmer, 1937, pp. 379-380, pl. 61, figs. 5-6

= *Volutocorbis ? haleanus* (Whitfield, 1865)

Gardner, 1945, p. 224, pl. 22, figs. 1, 5

= *Athleta (Volutispina) haleana* (Whitfield, 1865)

Glibert, 1960, p. 51

= *Athleta haleanus* (Whitfield, 1865)

Palmer and Brann, 1966, p. 513

Middle Eocene, Upper Claiborne Group. Cook Mountain Formation. Base of Claiborne Bluff, Alabama River, Monroe County Alabama (Palmer and Brann, 1966, p. 513) *not* Vicksburg (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Mitrella (Columbellopsis) parva (H. C. Lea, 1841)

See: *Columbella turricula* Whitfield, 1865

Monoptygma Leai Whitfield, 1865

Holotype: not designated, to be selected from UC 24671

Referred specimens: five specimens UC 24671

Whitfield, 1865, p. 261, pl. 27, fig. 7 (UC 24671 with red dot)

= *Monoptygma leai* Whitfield, 1865

Aldrich, 1887, p. 80

Whitfield, 1899, p. 172

Palmer, 1937, p. 297, pl. 38, figs. 6, 8

Gardner, 1945, pl. 27, figs. 2, 5

Palmer and Brann, 1966, p. 779

Middle Eocene, Upper Claiborne Group. Cook Mountain Formation.

Lisbon Bluff, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 779) *not* Vicksburg as in Whitfield, 1865, p. 261.

Collected by T. J. Hale. James Hall Collection.

Mourlonia angulata Easton, 1943

Referred specimen: UC 37478

Thein and Nitecki, 1974, pp. 83-84, fig. 28a-b

Upper Mississippian, Chester Series, Glen Dean Limestone.

Southern part of Dawson Springs Quadrangle, Kentucky. Collected by A. H. Sutton, 1926. Sutton (1930) describes five collecting sites from this general area. However, we are not able to pinpoint this locality exactly.

Mourlonia lucina Hall, 1862

See: *Pleurotomaria lucina* Hall, 1862

Mourlonia minuta S. Weller, 1916

Holotype: by original designation: UC 14846A

S. Weller, 1916, p. 253, pl. 18, figs. 35, 36

= *Baylea minuta* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 81

Referred specimen: UC 14846B

S. Weller, 1916, p. 253

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles

southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Mourlonia missouriensis (S. Weller, 1906)

See: *Ptychomphalus missouriensis* S. Weller, 1906

Mourlonia northviewensis S. Weller, 1899

Holotype: designated by Branson, 1938b, p. 42, and in caption to fig. on p. 195: UC 4504A

S. Weller, 1899, p. 41, pl. 5, fig. 13

Branson, 1938b, pp. 41-42, pl. 24, fig. 27

Thein and Nitecki, 1974, p. 83

Referred specimens: two specimens UC 4504B-C

S. Weller, 1899, p. 41

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Mourlonia sp. indet.

Referred specimens: three specimens UC 31705

Thein and Nitecki, 1974, pp. 84-85, fig. 29a-b

Upper Mississippian, Chester Series, Lower Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE $\frac{1}{4}$, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25. Collected by Stuart Weller, 1918.

Mourlonia spp.

See: "*Pleuropterus*" spp.

Murchisonia bellicincta Hall, 1847

"*Plastoplesiotype*": UC 15908

Hall, 1847, pp. 179-180, pl. 39, fig. 1e

Middle Ordovician, Trenton Limestone.

Watertown, Jefferson County, New York.

Remarks: *M. bellicincta* in part = *Hormotoma trentonensis* Ulrich and Scofield, 1897

Ulrich and Scofield, 1897, p. 1017

Hormotoma = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. 291

Original of UC 15908 is AMNH 768/1

Murchisonia desiderata var. Hall, 1862

“*Plastoplesiotype*”: UC 22160

Hall, 1879, p. 90, pl. 21, fig. 10

Kindle, 1901, p. 706

Middle Devonian, Jeffersonville Limestone.

Falls of the Ohio at Louisville, Kentucky. James Hall Collection.

Remarks: *M. desiderata* = *Hormotoma desiderata* (Hall, 1862)

Grabau and Shimer, 1909, p. 650

Hormotoma = *Murchisonia* (*Hormotoma*)

Knight et al., 1960, p. 1291

The depository of the original of UC 22160 is unknown.

Murchisonia hammelli Miller, 1892

Holotype: not designated, to be selected from UC 6140.

Referred specimens: four specimens UC 6140

Miller, 1892b, p. 65, pl. 9, figs. 41-42

Miller, 1894, p. 319, pl. 9, figs. 41-42

= *Lophospira hammeli* (*sic*) (Miller, 1892)

Cummings, 1908, p. 969, pl. 41, figs. 3-3a

= *Lophospira hammelli* (Miller, 1892)

Bassler, 1915, p. 760

Ordovician, Richmond, Whitewater-Saluda.

Madison, Indiana. Found by J. F. Hammel, and Prof. G. C. Hubbard.

Gurley Collection.

Remarks: *Lophospira* = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

Murchisonia indianensis Miller and Gurley, 1896

Holotype: UC 6613

Miller and Gurley, 1896, p. 18, pl. 2, figs. 31, 32

Mississippian, Knobstone Group.

At New Albany, Indiana. Collected by G. K. Greene. Gurley Collection.

Murchisonia multigruma Miller, 1878*Holotype*: by monotypy: UC 8790

Miller, 1878, p. 104, pl. 3, figs. 3-3a

= *Lophospira multigruma* (Miller, 1878)

Ulrich and Scofield, 1897, pp. 978-979

= *Lophospira tropidophora* (Meek, 1872)

Bassler, 1915, p. 766

Upper Ordovician, Eden or Richmond

Ten miles east of Maysville, Mason County, Kentucky. Faber Collection.

Murchisonia subfusiformis Hall, 1847*"Plastocotype"*: UC 22202

Hall, 1847, pp. 180-181, pl. 39, fig. 2c

= *Loxonema subfusiformis* (Hall, 1847)

Orbigny, 1850, p. 5

= *Subulites subfusiformis* (Hall, 1847)

Billings in Logan, 1863, p. 946

= *Fusispira subfusiformis* (Hall, 1847)

Hall, 1872, p. 229

Bassler, 1915, p. 544

Middle Ordovician, Trenton Limestone.

Adams, Jefferson County or Turin, Lewis County, New York. James Hall Collection.

Remarks: UC 22202 is a cast of AMNH 774/4.

Ulrich and Scofield, 1897, p. 1,077, felt that Hall's species was polyphyletic.

Murchisonia (Hormotoma) spp.See: *Hormotoma* spp.**Murchisonia (Turritoma) spp.**See: *Turritoma* spp.**Natica (Girodes) Alabamiensis** Whitfield, 1865*Holotype*: by monotypy: UC 24508

Whitfield, 1865, p. 265, pl. 27, figs. 9-10

Gregorio, 1890, p. 152, pl. 14, figs. 41-42

Whitfield, 1899, p. 172

- = *Lacunaria alabamiensis* (Whitfield, 1865)
 Conrad, 1866, p. 77
 Wenz, 1940, p. 886, fig. 2,605
 Wenz, 1941, p. 1,026, fig. 2,940
 Palmer and Brann, 1966, p. 713
- = *Lacuna (Lacunaria) Alabamiensis* (sic) (Whitfield, 1865)
 Tryon, 1883, p. 244, pl. 69, fig. 34.
- = *Natica alabamiensis* Whitfield, 1865
 Aldrich, 1886, p. 56
- = *Ampullina alabamiensis* (Whitfield, 1865)
 Cossman, 1893, p. 26
 LeBlanc, 1942, pp. 88-89
- = *Natica (Lacunaria) alabamiensis* Whitfield, 1865
 Harris 1899, p. 91

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation.
 Bells Landing Member.

Probably Bells Landing, Alabama River, Monroe County, Alabama
 (Palmer and Brann, 1966, p. 713) = 6 miles above Claiborne
 (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Natica (Girodes) aperta* Whitfield, 1865**

- Holotype*: by monotypy: UC 24509
 Whitfield, 1865, p. 265
 Whitfield, 1899, p. 172
- = *Natica aperta* Whitfield, 1865
 Aldrich, 1886, p. 56
 Harris, 1899, pp. 90-91
 LeBlanc, 1942, pp. 89-90
- = *Polynices (Neverita) aperta* (Whitfield, 1865)
 Dall, 1892, p. 368
- = *Gyrodes (Sigaretopsis) aperta* Whitfield, 1865
 Gardner, 1945, p. 170, pl. 14, fig. 9
- = *Sigatica (Sigaretopsis) aperta* (Whitfield, 1865)
 Glibert, 1963, p. 94
- = cf. *Natica aperta* Whitfield, 1865
 Palmer and Brann, 1966, p. 788

Lower Eocene, Greggs Landing Member.

Greggs Landing, Alabama River, Monroe County, Alabama (Palmer
 and Brann, 1966, p. 788) = 6 miles above Claiborne (Whitfield,
 1865, p. 265). Collected by T. J. Hale. James Hall Collection.

Natica erecta Whitfield, 1865

Holotype: not designated, to be selected from two specimens UC 24510

Whitfield, 1865, p. 264, pl. 27, fig. 11

Whitfield, 1899, p. 172

= *Lacunaria erecta* (Whitfield, 1865)

Conrad, 1866, p. 78

Palmer and Brann, 1966, p. 713

= *Natica (Euspira) erecta* Whitfield, 1865

Gregorio, 1890, p. 154, pl. 15, fig. 5

= *Ampullina erecta* (Whitfield, 1865)

Cossmann, 1893, p. 26

= *Natica (Lacunaria) erecta* Whitfield, 1865.

Harris, 1899, p. 91

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation. Bells Landing Member.

Bells Landing, Alabama River, Wilcox County, Alabama (Palmer and Brann, 1966, p. 713) = 6 miles above Claiborne (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Natica perspecta Whitfield, 1865

Holotype: not designated, to be selected from three specimens UC 24517

Whitfield, 1865, p. 264

Harris, 1896, pp. 119-120

Whitfield, 1899, p. 172

Gardner, 1945, p. 171, pl. 14, fig. 11

= *Polynices (Lunatia) perspecta* (Whitfield, 1865)

Dall, 1892, p. 370

= *Euspira perspecta* (Whitfield, 1865)

Palmer and Brann, 1966, p. 671

Paleocene, Upper Midway Group. Uppermost Porters Creek Formation, Matthews Landing Beds.

Matthews Landing, Alabama River, Wilcox County, Alabama (Palmer and Brann, 1966, p. 671) = 9 miles below Prarie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Natica (Polinices) onusta Whitfield, 1865

Holotype: by monotypy: UC 24518

Whitfield, 1865, pp. 264-265

Harris, 1896, p. 118

Whitfield, 1899, p. 172

= *Natica (Neverita) onusta* Whitfield, 1865

Dall, 1892, p. 368

= *Neverita onusta* (Whitfield, 1865)

Gardner, 1945, p. 173, pl. 14, fig. 14

= *Polinices onustus* Whitfield, 1865

Palmer and Brann, 1966, p. 847

Paleocene, Upper Midway Group. Uppermost Porters Creek Formation. Matthews Landing Beds.

Matthews Landing, Alabama River, Wilcox County, Alabama (Palmer and Brann, 1966, p. 847) = 6 miles below Prarie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Natica reversa* Whitfield, 1865**

Holotype: not designated, to be selected from UC 24516

Referred specimens: two specimens UC 24516

Whitfield, 1865, p. 264

Harris, 1896, p. 119

Whitfield, 1899, p. 172

= *Ampullina reversa* (Whitfield, 1865)

Dall, 1892, p. 375

= *Natica (Naticarius) reversa* Whitfield, 1865

Palmer and Brann, 1966, p. 792, pl. 4, fig. 8

Paleocene, Matthews Landing beds.

Nine miles below Prarie Bluff, Wilcox County, Alabama. Collected by T. J. Hale. James Hall Collection.

***Natica shumardi* McChesney, 1859**

“*Plastoholotypes*”: two casts UC 13247

McChesney, 1859, p. 62

McChesney, 1865, pl. 2, figs. 15a-b

= *Naticopsis shumardi* (McChesney, 1859)

McChesney, 1868, p. 49, pl. 2, figs. 15a-b

Knight, 1933, pp. 380-381, pl. 44, figs. 5a-5b (cast figured)

= *Naticopsis (Naticopsis) shumardi* (McChesney, 1859)

Yochelson and Saunders, 1967, p. 143

Pennsylvanian, “Coal Measures.”

LaSalle, LaSalle County, Illinois. James Hall Collection.

Remarks: McChesney's types were destroyed in the Chicago Fire of 1871. (Kirk, 1955, p. 4.)

***Naticopsis altonensis ? giganteus* Meek and Worthen, 1873**

Holotype: by monotypy: UC 10626

Meek and Worthen, 1873, pl. 28, figs. 12a-12b

= *Naticopsis scintilla* Girty, 1915

Knight, 1933, pp. 374-377, pl. 40, figs. 1m-n

Yochelson and Saunders, 1967, p. 143

Middle and Upper Pennsylvanian, LaSalle Limestone (Knight, 1933, pp. 374-377).

Near Alton, Madison County, Illinois (S. Weller, UC Catalogue).
More probably LaSalle, LaSalle County, Illinois (Knight, 1933, pp. 374-377). Gurley Collection.

***Naticopsis gigantea* Hall and Whitfield, 1873**

"*Plastocotypes*": three casts UC 26135

Hall and Whitfield, 1873, pp. 238-239, pl. 12, figs. 8-10

= *Floydia gigantea* (Hall and Whitfield, 1973)

Fenton and Fenton, 1924, p. 182

Upper Devonian, Owen Member of the Lime Creek Formation.

Probably Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Remarks: UC 26135 contains casts of NYSM 10231/1, 10231/2, and 10231/3.

Floydia = *Floyda*

Knight et al., 1960, p. 1302

Referred specimens: three specimens UC 25807 (Fenton 888, 889, 120)

Fenton, 1918, p. 222, pl. 7, fig. 1-3

= *Floydia gigantea* (Hall and Whitfield, 1973)

Fenton and Fenton, 1924, pp. 182-183, pl. 34, fig. 5 (Fenton 120)

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South bank of Lime Creek, Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Remarks: *Floydia* = *Floyda*

Knight et al., 1960, p. 1302

***Naticopsis (Naticopsis) mariona* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56309

Thein and Nitecki, 1974, pp. 146-148, fig. 62a-c

Referred specimens: three specimens UC 56310

Thein and Nitecki, 1974, pp. 146-148, fig. 62d (UC 56310-A); fig. 62e (UC 56310-B); fig. 62f-g (UC 56310)

Referred specimens: five specimens UC 30552

Thein and Nitecki, 1974, pp. 146-148

Upper Mississippian, Chester Series, Golconda Limestone.

Between Turkey Knob and unnamed hill southeast from it, at the end of dirt road, approximately 5 miles north of Marion, Repton Quadrangle, Kentucky. Locality W.M. KC 46. Collected by Stuart Weller, 1923.

Referred specimens: two specimens UC 30225

Thein and Nitecki, 1974, pp. 146-148

Upper Mississippian, Chester Series, Kinkaid Limestone.

Three miles northwest of Rosiclare along the Three-mile Creek, NE¼, NW¼, sec. 30, T. 12S., R. 8E., Rosiclare Quadrangle, Illinois. Locality W.M. 15-10. Collected by Stuart Weller, 1915.

Referred specimen: UC 30224

Thein and Nitecki, 1974, pp. 146-148

Upper Mississippian, Chester Series.

Locality unknown.

***Naticopsis paucivolutus* S. Weller, 1906**

Holotype: not designated, to be selected from UC 11339

Referred specimens: nine specimens UC 11339A-I

S. Weller, 1906, pp. 458-459, pl. 2 [7], figs. 27-28 (UC 11339A-B)

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

***Naticopsis (Naticopsis) peoriensis* (McChesney, 1859)**

See: *Platystoma peoriensis* McChesney, 1859

***Naticopsis scintilla* Girty, 1915**

See: *Naticopsis altonensis? giganteus* Meek and Worthen, 1873

Naticopsis shumardi (McChesney, 1859)

See: *Natica shumardi* McChesney, 1859

Naticopsis (Naticopsis) subovata (Worthen, 1883)

See: *Strophostylus subovatus?* (Worthen, 1883)

Naticopsis (Naticopsis) suturicompta Yochelson and Dutro, 1960

Referred specimens: two specimens UC 30485

Thein and Nitecki, 1974, pp. 148-151, fig. 63a-c (UC 30485-A)

Referred specimen: UC 25597

Thein and Nitecki, 1974, pp. 148-151, fig. 63i-k

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921. [Not Locality 49, Thein and Nitecki, 1974, p. 151]

Referred specimen: UC 25198

Thein and Nitecki, 1974, pp. 148-151, fig. 63d-e

Upper Mississippian, Chester Series, Lower part of Okaw, Golconda Limestone.

City Quarry of Redbud, operating for road material in the east bank of the creek just north of the Redbud-Waterloo road leading west from the city. Eight to 12 ft. of blue, crystalline limestone with some shaly partings are exposed. This limestone is near the base of the formation and is highly fossiliferous. Sec. 5, T. 3S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 253. Collected by Stuart Weller, 1907.

Referred specimen: UC 30885

Thein and Nitecki, 1974, pp. 148-151, fig. 63f-h

Upper Mississippian, Chester Series, Glen Dean Limestone.

At 520-ft. elevation, 400 ft. west of Ward Creek; 2,500 ft. south from electric line; 5,000 ft. northeast of Walche Cut on Illinois Central Railroad; 2 miles northeast of Scottsburg. Princeton East Quadrangle, Kentucky. Locality W.M. KP 14. Collected by Stuart Weller, 1921.

Naticopsis ventricosa (Norwood and Pratten, 1855)

Referred specimens: 18 specimens UC 38572

Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

An abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

Remarks: *N. ventricosa* = *Naticopsis (Jedira) ventrica* (Norwood and Pratten (1855).

Yochelson and Saunders, 1967, p. 137

***Naticopsis waterlooensis* S. Weller, 1916**

Holotype: UC 14865-A

S. Weller, 1916, pp. 259-260, pl. 19, figs. 3-4

= *Naticopsis (Naticopsis) waterlooensis* S. Weller, 1916

Thein and Nitecki, 1974, pp. 151-155, fig. 64q-r

Referred specimens: two specimens UC 14865B-C

S. Weller, 1916, pp. 259-260, pl. 19, fig. 5-6

= *Naticopsis (Naticopsis) waterlooensis* S. Weller, 1916

Thein and Nitecki, 1974, pp. 151-155, fig. 64s-t (UC 14865-B)

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

See also: *Naticopsis (Naticopsis) waterlooensis* S. Weller, 1916

***Naticopsis (Naticopsis) waterlooensis* S. Weller, 1916**

Holotype: see *Naticopsis waterlooensis* S. Weller, 1916

Referred specimens: two specimens UC 25118

Thein and Nitecki, 1974, pp. 151-155, fig. 64a-d (UC 25118-A); fig. 64i (UC 25118-B)

Referred specimens: four specimens UC 25181

Thein and Nitecki, 1974, pp. 151-155, fig. 64m (UC 25181-A)

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: 26 specimens UC 25020

Thein and Nitecki, 1974, pp. 151-155, fig. 64e-f (UC 25020-A); fig. 64g-h (UC 25020-B)

Upper Mississippian, Chester Series, Oolitic Member, Lower Okaw Limestone.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24, R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Referred specimens: nine specimens UC 25057

Thein and Nitecki, 1974, pp. 151-155, fig. 64j (UC 25057-A); fig. 64k-l, (UC 25057-B)

Referred specimens: eight specimens UC 25041

Thein and Nitecki, 1974, pp. 151-155, fig. 64n (UC 25041-A); fig. 64o-p (UC 25041-B)

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912

See also: *Naticopsis waterlooensis* S. Weller, 1916

***Naticopsis wortheni* S. Weller, 1916**

Holotype: UC 14864-A

S. Weller, 1916, p. 259, pl. 19, fig. 1 and 2

= *Strophostylus wortheni* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 139-143, fig. 60a,e

Referred specimens: three specimens UC 14864B-D

S. Weller, 1916, p. 259

= *Strophostylus wortheni* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 139-143

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

See also: *Strophostylus wortheni* (S. Weller, 1916)

Naticopsis sp.

Referred specimen: UC 31356

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.54.1). F. B. Plummer Collection.

Referred specimen: UC 57405

Plummer and Moore, 1921, p. 73

Middle Pennsylvanian, Strawn Group, Millsap Formation.

Limestone on the south side of Brazos River, just west of bridge at Dennis, southwest Parker County, Texas (Locality 76.1). F. B. Plummer Collection.

Naticopsis (Naticopsis) sp. indet.

Referred specimens: four specimens UC 30346

Thein and Nitecki, 1974, pp. 155-156, fig. 65a-c (UC 30346-A)

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Neilsonia welleri Thein and Nitecki, 1974

Holotype: by original designation: UC 56295

Thein and Nitecki, 1974, pp. 91-96, fig. 35g-h

Referred specimens: four specimens UC 56296

Thein and Nitecki, 1974, pp. 91-96, fig. 35a-b (UC 56296-A); fig. 35c-d (UC 56296-B); fig. 35e-f (UC 56296-C); fig. 35i-j (UC 56296-D)

Referred specimens: nine specimens UC 25058

Thein and Nitecki, 1974, pp. 91-96

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1 $\frac{1}{2}$ miles south of Marigold, SW $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois.

Locality W.M. 597. Collected by Stuart Weller, 1912.

Neverita onusta (Whitfield, 1865)

See: *Natica (Polinices) onusta* Whitfield, 1865

Ophileta uniangulata (Hall, 1847)

See: *Euomphalus uniangulatus* Hall, 1847

Ophileta (Ophileta) spp.

See: *Polygyrata* spp.

Ophiletina guelphensis Wing, 1925 *nomen nudum*

Referred specimen: UC 28778

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Orestes brazoensis (Shumard, 1860)

Referred specimens: UC 31445 and two specimens UC 38118

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Referred specimen: UC 31412

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

One-and-one-half miles west of Caddo, Stephens County, Texas, on Caddo-Breckenridge Road a quarter mile west of fork of Caddo-Graham Road, on south side of prominent limestone-capped hill (Locality 79.1). F. B. Plummer Collection.

Referred specimens: nine specimens UC 23069

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Referred specimens: Three specimens UC 31338

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas (Locality 53.8). F. B. Plummer Collection.

Remarks: *Orestes brazoensis* = *Phymatopleura brazoensis* (Shumard, 1860)

Yochelson and Saunders, 1967, p. 164

***Orthonema carbonaria* Worthen, 1884**

Referred specimens: four specimens UC 31864 (missing)

Plummer and Moore, 1921, p. 107

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment a quarter mile north of main road, along secondary road to Clear Creek (Locality 129.2). F. B. Plummer Collection.

Remarks: *Orthonema carbonaria* = *Orthonema carbonarium* Worthen, 1884

Yochelson and Saunders, 1967, p. 148

***Orthonychia belli* Clarke, 1908**

Referred specimen: UC 27512

Stewart, 1922, p. 254, pl. 67, fig. 6

Lower Devonian, Little Saline Limestone, upper beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: *Orthonychia* = *Platyceras* (*Orthonychia*)

Knight et al., 1960, p. 1240

Orthonychia jeffersonensis S. Weller, 1906

Holotype: not designated, to be selected from UC 11343

Referred specimens: four specimens UC 11343A-D

S. Weller, 1906, p. 461, pl. 2 [7], figs. 38-39 (UC 11343A-B)

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Remarks: *Orthonychia* = *Platyceras* (*Orthonychia*)

Knight et al., 1960, p. 1240

Orthonychia mayesense Snider, 1915

Holotype: UC 16229

Snider, 1915, p. 118, pl. 7, figs. 8-9

= *Platyceras* (*Orthonychia*) *mayesense* (Snider, 1915)

Thein and Nitecki, 1974, p. 125

Upper Mississippian, Chester Series, Mayes Formation.

Black, sandy shale immediately above the chert, N.E. ¼, sec. 8, T.19 N., R. 19E, on bluff of Grand River, about 5 miles southeast of Chouteau, Pryor Quadrangle, Oklahoma.

Orthonychia praeconicum Stewart, 1922

Holotype: by original designation: UC 27528A

Stewart, 1922, p. 254, pl. 68, fig. 1

Referred specimens: UC 27528B

Stewart, 1922, p. 254, pl. 68, fig. 2. (One specimen not figured)

Lower Devonian, Little Saline Limestone (upper beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: *Orthonychia* = *Platyceras* (*Orthonychia*)

Knight et al., 1960, p. 1240

Orthonychia tortuosa (Hall, 1859)

Referred specimens: four specimens UC 27513

Stewart, 1922, pp. 254-255, pl. 67, figs. 7-10

Lower Devonian, Little Saline Limestone (lower beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: Orthonychia = Platyceras (Orthonychia)

Knight et al., 1960, p. 1240

Orthonychia triangularis Wing, 1925 *nomen nudum*

Referred specimen: UC 28749

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Remarks: Orthonychia = Platyceras (Orthonychia)

Knight et al., 1960, p. 1240

Orthonychia ungula S. Weller, 1906

Holotype: not designated, to be selected from UC 11342

Referred specimens: three specimens UC 11342A-C

S. Weller, 1906, p. 461, pl. 2 [7], figs. 36-37 (UC 11342A-B)

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Orthosurcula adeona (Whitfield, 1865)

See: Pleurotoma adeona Whitfield, 1865

Orthosurcula persa (Whitfield, 1865)

See: Pleurotoma persa Whitfield, 1865

Oxydiscus magnus (Miller, 1878)

See: Cyrtolites magnus Miller, 1878

Palaeostylus (Pseudozygopleura) carus (Dawson, 1883)

See: *Loxonema cara* Dawson, 1883

Paleostylus (Stephanozyga) nodosus (Girty, 1915)

See: *Zygopleura nodosa* Girty, 1915

Palaeostylus (Stephanozyga) sp. indet. 1

Referred specimens: five specimens UC 30480

Thein and Nitecki, 1974, p. 185, fig. 82a (UC 30480-1); fig. 82b (UC 30480-2); fig. 82c (UC 30480-3)

Upper Mississippian, Chester Series, Golconda Limestone

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Palaeostylus (Stephanozyga) sp. indet. 2

Referred specimen: UC 25599

Thein and Nitecki, 1974, pp. 185-186, fig. 83a-b

Upper Mississippian, Chester Series, Golconda Limestone

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Palaeozygopleura venusta Thein and Nitecki, 1974

Holotype: by original designation: UC 56362

Thein and Nitecki, 1974, pp. 179-180, fig. 78a-b

Referred specimen: UC 56363

Thein and Nitecki, 1974, pp. 179-180, fig. 78c-d

Referred specimens: four specimens UC 25032

Thein and Nitecki, 1974, p. 180

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Palaeozygopleura welleri Thein and Nitecki, 1974

Holotype: by original designation: UC 56364

Thein and Nitecki, 1974, pp. 180-182, fig. 79a-b

Referred specimens: three specimens UC 25125

Thein and Nitecki, 1974, pp. 180-182

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimen: UC 56365

Thein and Nitecki, 1974, pp. 180-182, fig. 79c-d

Referred specimens: two specimens UC 25031

Thein and Nitecki, 1974, pp. 180-182.

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimens: five specimens UC 25025

Thein and Nitecki, 1974, pp. 180-182

Upper Mississippian, Chester Series, Lower Okaw Limestone, Oolitic Member.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24, R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Palaeozygopleura wortheni (S. Weller, 1916)

Holotype: see *Loxonema wortheni* S. Weller, 1916

Referred specimens: two specimens UC 25033

Thein and Nitecki, 1974, pp. 183-184, fig. 81a-b (UC 25033A) fig. 81c (UC 25033-B)

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

See also: *Loxonema wortheni* S. Weller, 1916

Palaeozygopleura cf. Paleozygopleura yandellana (Hall, 1857)

Referred specimen: UC 56366

Thein and Nitecki, 1974, p. 182, fig. 80a-b

Referred specimen: UC 25035

Thein and Nitecki, 1974, p. 182, fig. 80c

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Patellilabia chesterensis Thein and Nitecki, 1974

Holotype: by original designation: UC 25321

Thein and Nitecki, 1974, pp. 60-62, fig. 16 b and d

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¾ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimen: UC 30337

Thein and Nitecki, 1974, pp. 60-62, fig. 16a and c

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW¼, SW¼, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimens: UC 26683

Thein and Nitecki, 1974, pp. 60-62

Upper Mississippian, Chester Series, Menard Limestone.

Tributary of Gravel Creek SW¼, SW¼, sec. 35, T. 6S., R. 7W., 4 miles northwest of Chester, Chester Quadrangle, Illinois. Locality W.M. 628. Collected by Stuart Weller, 1913.

Referred specimen: UC 31039

Thein and Nitecki, 1974, pp. 60-62

Upper Mississippian, Chester Series, Glen Dean Limestone.

Decomposed layers of very siliceous limestone near the bottom of the formation, exposed in the floor of the nearly straight, narrow, north-south valley tributary to Deer Creek from the south, whose mouth is situated nearly one-half mile northwest of the junction point of two widely diverging, terminal branches of the stream. The locality is at the western apex of an imaginary equilateral triangle, with other apexes of Old Salem School and Livingston School. Three and one-fourth miles south of Lola. Golconda Quadrangle, Kentucky. Locality W.M. GK 12. Collected by Stuart Weller, 1920.

Patellostium explanatus (Hall, 1879)

See: *Bellerophon explanatus* Hall, 1879

Patellostium montfortianum (Norwood and Pratten, 1855)

Referred specimens: 14 specimens UC 31360

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunker Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Referred specimens: seven specimens UC 23073

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Remarks: *Patellostium montfortianum* = *Knightites (Cymatospira) montfortianus* (Norwood and Pratten, 1855).

Yochelson and Saunders, 1967, p. 111

Patellostium ourayensis (Gurley, 1884)

See: *Bellerophon ourayensis* Gurley, 1884

Patellostium patulus (Hall, 1843)

See: *Bellerophon patulus* (Hall, 1843)

Petrocrania corallifera (Grubbs, 1939)

See: *Punctopatella corallifera* Grubbs, 1939

Phanerotinus paradoxus Winchell, 1863

"*Plastoholotype*": UC 11765

Winchell, 1863, p. 21

= *Euomphalus (Phanerotinus) laxus* Hall, 1861

Hall, 1879, pp. 60-61, pl. 16, fig. 16

= *Straparollus (Serpulospira) paradoxus* (Winchell, 1863)

Yochelson and Saunders, 1967, p. 223

Lower Mississippian, Kinderhook Sandstone.

Burlington, Iowa. James Hall Collection.

Referred specimen: UC 4501

S. Weller, 1899, p. 48, pl. 5, fig. 6.

= *Straparollus (Serpulospira) paradoxa* (Winchell, 1863)

Yochelson and Saunders, 1967, p. 223

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Phanerotrema convexum Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 28770

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Phanerotrema grayvillense (Norwood and Pratten, 1855)

Referred specimen: UC 31411 (missing)

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

One-and-one-half miles west of Caddo, Stephens County, Texas, on Caddo-Breckenridge Road one-quarter mile west of fork of Caddo-Graham Road, on south side of prominent limestone-capped hill (Locality 79.1). F. B. Plummer Collection.

Referred specimens: sixteen specimens UC 31359 (10 missing)

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Referred specimens: twenty-four specimens UC 23048 (two missing)
Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Referred specimens: 10 specimens UC 23093 (one missing)
Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One-and-one-half miles south of South Bend, Young County, Texas, about 1,800 feet due north of Goode Well No. 1 (Locality 66.1). F. B. Plummer Collection.

Referred specimens: seven specimens UC 31339 (missing)
Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas. (Locality 53.8). F. B. Plummer Collection.

Remarks: *Phanerotrema grayvillense* = *Glabrocingulum (Glabrocingulum) grayvillense* (Norwood and Pratten, 1855)
Yochelson and Saunders, 1967, pp. 86-87

Phanerotrema maximum* Wing, 1925 *nomen nudum

Referred specimen: UC 28769
Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Stony Island Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Phanerotrema occidens (Hall, 1865)

Referred specimens: two specimens UC 18096, four specimens UC 21861, three specimens UC 28807

Wing, 1925, p. 312

Bretz, 1939, p. 77, pl. 3, fig. 3 (UC 18096)

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Remarks: One specimen of UC 18096 is missing. One specimen of UC 21861 is missing.

“*Plastoplesiotypes*”: two casts UC 28739 (one missing)

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: Originals of UC 28739 are CAS 2717A and CAS 2718.

See also: *Pleurotomaria occidens* Hall, 1865

Phanerotrema sp.

Referred specimens: eleven specimens UC 31800

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Remarks: Plummer and Moore list UC 31800 as “*Phanerotrema* n. sp.” The new species was described only in an unpublished manuscript by R. C. Moore (1919) (Plummer, 1950, p. 16).

Pharkidonotus percarinatus (Conrad, 1842)

Referred specimens: twenty-five specimens UC 23052

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Referred specimens: three specimens UC 31385

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

Five miles east of Cisco, Eastland County, Texas, on Cisco-Eastland road, about 1,000 ft. north of corner where road, after turning one-quarter mile north, turns again due east (Locality 89.1). F. B. Plummer Collection.

Referred specimens: two specimens UC 31343

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas (Locality 53.8). F. B. Plummer Collection.

Remarks: The two specimens illustrated in Plummer and Moore, 1921, pl. 22, figs. 8, 9 may be UC 23052, but none of the specimens exactly match the illustrations.

Pharkidonotus percarinatus = *Bellerophon (Pharkidonotus) percarinatus* Conrad, 1842

Yochelson and Saunders, 1967, pp. 48-50

See also: *Bellerophon harrodi* Gurley, 1883

Philhedra magnacostata (Grubbs, 1939)

See: *Propatella magnacostata* Grubbs, 1939

Phragmolites imbricatus (Meek and Worthen, 1868)

See: *Cyrtolites imbricatus* Meek and Worthen, 1868

Phragmolites multinotatus Bradley, 1930

Holotype: by original designation: UC 5905

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, p. 237, pl. 25, fig. 22

Referred specimens: four specimens UC 20708

Bradley, 1925, p. 56 *nomen nudum*

Bradley, 1930, p. 237

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri. Collected by Stuart Weller, 1896.

Phymatopleura brazoensis (Shumard, 1860)

See: *Orestes brazoensis* (Shumard, 1860)

Phymatopleura nyi Thein and Nitecki, 1974*Holotype*: by original designation: UC 30479

Thein and Nitecki, 1974, pp. 113-114, fig. 45a-c

Referred specimens: two specimens UC 30475

Thein and Nitecki, 1974, pp. 113-114, fig. 45d (UC 30475-A); fig. 45e (UC 30475-B)

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Phymatopleura sp. indet.*Referred specimens*: two specimens UC 31707

Thein and Nitecki, 1974, p. 115, fig. 46a-c

Upper Mississippian, Chester Series, Basal part of Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE $\frac{1}{4}$, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W.M. 18-25, Collected by Stuart Weller, 1918.**Physa anantia** Lea, 1864See: *Physa* sp.**Physa skinneri** Taylor, 1954See: *Physa* sp.**Physa** sp.*Referred specimens*: two specimens PE 3433

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Physa skinneri* Taylor, 1954

Taylor, 1960, pp. 63-64

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T. 31N., R.22W. Exposures on small draw near earthen dam, Brown County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Referred specimens: three specimens PE 3432

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Physa anantia* Lea, 1864

Taylor, 1960, pp. 62-63

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34). Collected by Bryan Patterson.

***Pisania Claibornensis* Whitfield, 1865**

Holotype: by monotypy: UC 24502

Whitfield, 1865, p. 259, pl. 27, fig. 2

Aldrich, 1887, p. 79

Whitfield, 1899, p. 173

= *Algrus claibornensis* (Whitfield, 1865)

Gregorio, 1890, p. 93, pl. 7, fig. 23

= *Ranellina sulcata* (L. Lea, 1833)

Palmer, 1937, pp. 259-260, pl. 34, figs. 4-5

= *Ranellina machurii* (Conrad, 1835)

Palmer and Brann, 1966, p. 874

Middle Eocene, Uppermost Claiborne Group. Gosport Sand.

Claiborne Bluff, Alabama River, Monroe County, Alabama. Collected by T. J. Hale. James Hall Collection.

***Platyceras angulare* Rowe, 1913**

Referred specimen: UC 27514

Stewart, 1922, p. 255, pl. 68, figs. 3-4

Lower Devonian, Little Saline Limestone (lower beds)

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1 $\frac{1}{2}$ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

***Platyceras* cf. *angulatum* (Hall, 1852)**

Referred specimen: UC 34622

Ball, 1928, p. 266

Middle Silurian Late Wenlock-Early Ludlow, Bainbridge Formation,
Merista bed.

Referred specimen: UC 34623

Ball, 1928, p. 265

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation,
Pisocrinus beds.

On Greither Hills about 2¼ miles southeast of Ozora. Along the road
from Ozora to St. Marys, Ste. Genevieve County, Missouri.
Collected by J. R. Ball.

Platyceras arcuatum Hall, 1859

“*Plastoholotype*”: UC 22190

Hall, 1859, p. 336, pl. 65, fig. 6

Lower Devonian, Lower Helderberg, “In the upper part of the shaly
limestone.”

Schoharie County, New York. James Hall Collection.

Remarks: The depository of the original of UC 22190 is unknown.

Platyceras biserialis Hall, 1860

“*Plastoplesiotype*”: UC 15794

Meek and Worthen, 1868, p. 509, pl. 15, figs. 3a-b

= *Capulus biserialis* (Hall, 1860)

S. Weller, 1898, p. 162

Lower Mississippian, Osage Series, Burlington Limestone.

Quincy, Illinois. Hall Collection.

Remarks: UC 15794 is a cast of University of Illinois, X150. UC
15794 may also be a cast of original specimen of Hall, [1860],
p. 90.

Platyceras carinatum Hall, 1879

Referred specimen: UC 23891

Branson and Williams, 1922, p. 156, pl. 35, figs. 17-18

Middle Devonian, Grand Tower Limestone.

Quarries of Ozora Marble Company, in east bank of Little Saline
Creek, just south of bend in stream from northerly to easterly
direction, a little less than 1½ miles west of State Highway H,
south of Ozora, Weingarten Quadrangle, Ste. Genevieve County,
Missouri. Collected by University of Chicago Ste. Genevieve
County field classes.

Platyceras (Orthonychia) chesterense Meek and Worthen, 1867 variant 1

Referred specimens: seven specimens UC 26959

Thein and Nitecki, 1974, pp. 126-131, fig. 53e-g (UC 26959-B);
fig. 53h-i (UC 26959-C); fig. 53w-y (UC 26959-A)

Upper Mississippian, Chester Series, oolitic member of Renault Limestone.

Four miles west of Redbud, SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 2, T. 4S., R. 9W.,
Renault Quadrangle, Illinois. Locality W.M. 603. Collected by
Stuart Weller, 1912.

Referred specimens: nine specimens UC 30364

Thein and Nitecki, 1974, pp. 126-131, fig. 54a-b (UC 30364-A)

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation.
NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle,
Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimens: two specimens UC 26939

Thein and Nitecki, 1974, pp. 126-131, fig. 54c-e (UC 26939-A)

Upper Mississippian, Chester Series, Paint Creek Shale.

One-and-one-half miles northwest of Floraville, just north of bridge
across Prairie du Long Creek. NW $\frac{1}{4}$, NE $\frac{1}{4}$, sec. 10, T. 2S., R.
9W., Milstadt Quadrangle, Illinois. Locality W.M. 567. Collected
by Stuart Weller, 1911.

Referred specimens: five specimens UC 25095

Thein and Nitecki, 1974, pp. 126-131, fig. 53n-q (UC 25095-C); fig.
54f (UC 25095-A); fig. 54k (UC 25095-B)

Upper Mississippian, Chester Series, Lower Okaw Limestone.

One-and-one-half miles northeast of Ruma, SE $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 28, T.
4S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 620.
Collected by Stuart Weller, 1913.

Referred specimen: UC 30265

Thein and Nitecki, 1974, pp. 126-131, fig. 54g-j

Upper Mississippian, Chester Series, Golconda Limestone.

Ohio River Bluffs, north of Golconda, Golconda Quadrangle, Illinois.
Chaney Locality no. 1. Collected by R. W. Chaney.

Referred specimens: three specimens UC 26782

Thein and Nitecki, 1974, pp. 126-131, fig. 54l-o, (UC 26782-A)

Upper Mississippian, Chester Series, Shetlerville bed (basal shale) of Renault Limestone.

Below Rosiclare at base of Fairview Bluff (the southwestern bluff) just above water at approximately 400-ft. elevation. Sec. 5, T. 13S., R. 8E. Rosiclare Quadrangle, Illinois. Locality W.M. 327. Collected by Stuart Weller. The Golconda Quadrangle map, 1921 edition, shows a railroad spur below this locality and above the river, however, the 1959 Rosiclare Quadrangle map does not show the railroad.

Referred specimens: three specimens UC 56307

Thein and Nitecki, 1974, pp. 126-131, fig. 54p-r (UC 56307-A)

Referred specimen: UC 25252

Thein and Nitecki, 1974, pp. 126-131, fig. 53a-d

Upper Mississippian, Chester Series, Lower part of Okaw, Golconda Limestone.

One-hundred-twenty feet above railroad track in Fort Gage, sec. 32, R. 7W., T. 6S., Chester Quadrangle, Illinois. Locality W.M. 212. Collected by Stuart Weller, 1907.

Referred specimen: UC 26889

Thein and Nitecki, 1974, pp. 126-131, fig. 53j-m

Upper Mississippian, Chester Series, Paint Creek Limestone.

Seven miles southeast of Waterloo $3\frac{1}{2}$ miles east of New Design (Burkesville Station) along the southeastern branch of the unnamed tributary to Rockhouse Creek. NE $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 14, T. 3S., R. 9W., Paderborn Quadrangle, Illinois. Locality W.M. 565. Collected by Stuart Weller, 1911.

Referred specimens: two specimens UC 25326

Thein and Nitecki, 1974, pp. 126-131, fig. 53r-s (UC 25326-A); fig. 53t-v (UC 25326-B)

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., $2\frac{3}{4}$ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimens: four specimens UC 25130

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: three specimens UC 26831

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Shetlerville bed of Renault Limestone.

Southwestern base of Lower Melcher Hill, between Melcher Hills and Rich Hill. SW $\frac{1}{4}$, NE $\frac{1}{4}$, sec. 35, T. 12S., R. 7E., Shetlerville Quadrangle, Illinois. Locality W.M. 328. Collected by Stuart Weller, 1907. The 1921 Golconda Quadrangle map shows a road just south of the locality, between Melcher and Rich Hills. The 1959 edition of Shetlerville Quadrangle map does not show this road.

Referred specimens: two specimens UC 30808a

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Renault Limestone.

Southwest base of hill just past the Otter Ponds, about 0.6 mile northeast of village of Otter Pond, along the gravel road from this village to Dripping Spring. Princeton East Quadrangle, Kentucky. Locality W.M. KP 33. Collected by Stuart Weller, 1921.

Referred specimen: UC 30794

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Renault Limestone.

One-and-one-fourth miles northeast of Otter Pond, along dirt road heading southeast from the 541 BM at 550-ft. elevation. Princeton East Quadrangle, Kentucky. Locality W.M. KP 35. Collected by Stuart Weller, 1921.

Referred specimen: UC 30493

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Referred specimen: UC 26807

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Shetlerville bed of Renault Limestone.

South side of hill at 480-ft. elevation, west side of State Highway 34, one-half mile south of Eichorn, Illinois. SE $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 11, R. 6E., T. 12S., Golconda Quadrangle, Kentucky-Illinois. Locality W.M. 17-1. Collected by Stuart Weller, 1917.

Referred specimen: UC 30973

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Top of Golconda Limestone (Haney Formation).

Bluffs of Camp Creek in Weston, Repton Quadrangle, Kentucky. Locality W.M. KC 2. Collected by Stuart Weller, 1923.

Referred specimen: UC 30093

Thein and Nitecki, 1974, pp. 126-129

Upper Mississippian, Chester Series, Renault Limestone.

Three miles east of Waterloo, on gravel road just west of bridge across Walters Creek. Middle of west half of north line of sec. 27, T. 2S., R. 9W., Paderborn Quadrangle, Illinois. Locality W.M. 568. Collected by Stuart Weller, 1911. The road going south from this locality, as shown on 1913 map of Waterloo Quadrangle, is not shown on Paderborn Quadrangle.

Platyceras (Orthonychia) chesterense Meek and Worthen, 1867 variant 2

Referred specimens: two specimens UC 26959a

Thein and Nitecki, 1974, pp. 131-137, fig. 56 i-j

Upper Mississippian, Chester Series, Oolitic member of Renault Limestone.

Four miles west of Redbud, SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 2, T. 4S., R. 9W., Renault Quadrangle, Illinois. Locality W.M. 603. Collected by Stuart Weller, 1912.

Referred specimen: UC 30640

Thein and Nitecki, 1974, pp. 131-133

Upper Mississippian, Chester Series, Paint Creek Shale.

West side of Eison Branch of Montgomery Creek, 600 ft. north of State Highway 278, 2 miles east of Bald Knob, 1.4 miles southeast

of Claxton, Princeton East Quadrangle, Kentucky. Locality W.M. KP 46. Collected by Stuart Weller, 1921.

Referred specimens: nine specimens UC 30353

Thein and Nitecki, 1974, pp. 131-137, fig. 55a-d (UC 30353-A); fig. 55e-h (UC 30353-B); fig. 55q-s, fig. 56a (UC 30353-C); fig. 56b-d (UC 30353-D); fig. 56k-m (UC 30353-E)

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4 E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimen: UC 30233a

Thein and Nitecki, 1974, pp. 131-135, fig. 55i-l

Upper Mississippian, Chester Series, Golconda Limestone.

Ohio River Bluffs, near Golconda, Golconda Quadrangle, Illinois. Chaney Locality 14. Collected by R. W. Chaney.

Referred specimen: UC 30808

Thein and Nitecki, 1974, pp. 131-138, fig. 56e-h

Upper Mississippian, Chester Series, Renault Limestone.

Southwest base of hill just past the Otter Ponds, about 0.6 mile northeast of village of Otter Pond, along the gravel road from this village to Dripping Spring. Princeton East Quadrangle, Kentucky. Locality W.M. KP 33. Collected by Stuart Weller, 1921.

Platyceras (Orthonychia) chesterense Meek and Worthen, 1867 variant 3

Referred specimen: UC 30266

Thein and Nitecki, 1974, pp. 133, 138-139, fig. 57a-d

Upper Mississippian, Chester Series, Golconda Limestone.

Near Golconda, Golconda Quadrangle, Illinois. R. W. Chaney Locality 2. Collected by R. W. Chaney.

Referred specimens: four specimens UC 30233

Thein and Nitecki, 1974, p. 133

Upper Mississippian, Chester Series, Golconda Limestone.

Ohio River Bluffs, near Golconda, Golconda Quadrangle, Illinois. Chaney Locality 14. Collected by R. W. Chaney.

Referred specimens: three specimens UC 25254

Thein and Nitecki, 1974, pp. 133, 138-139, fig. 57e-h (UC 25254-A)

Referred specimen: UC 25251

Thein and Nitecki, 1974, pp. 133, 138-139, fig. 57m

Upper Mississippian, Chester Series, Lower Okaw, Golconda Limestone.

One-hundred-twenty feet above railroad track in Fort Gage, sec. 32, R. 7W., T. 6S., Chester Quadrangle, Illinois. Locality W.M. 212. Collected by Stuart Weller, 1907.

Referred specimens: six specimens UC 25173

Thein and Nitecki, 1974, pp. 133, 138-139, fig. 57i (UC 25173-2); fig. 57j-l (UC 25173-1)

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimens: six specimens UC 31037

Thein and Nitecki, 1974, p. 133

Upper Mississippian, Chester Series, Glen Dean Limestone.

Decomposed layers of very siliceous limestone near the bottom of the formation, exposed in the floor of the nearly straight, narrow, north-south valley tributary to Deer Creek from the south, whose mouth is situated nearly one-half mile northwest of the junction point of two widely diverging, terminal branches of the stream. The locality is at the western apex of an imaginary equilateral triangle, with other apexes of Old Salem School and Livingston School. Three-and-one-fourth miles south of Lola. Golconda Quadrangle, Kentucky. Locality W.M. GK 12. Collected by Stuart Weller, 1920.

Referred specimens: three specimens UC 25096

Thein and Nitecki, 1974, p. 133

Upper Mississippian, Chester Series, Lower Okaw Limestone.

One-and-one-half miles northeast of Ruma, SE¼, SE¼, sec. 28, T. 4S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 620. Collected by Stuart Weller, 1913.

Referred specimen: UC 25326a

Thein and Nitecki, 1974, p. 133

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¾ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Platyceras (Orthonychia) chesterense Meek and Worthen, 1867 variant 4

Referred specimen: UC 25144

Thein and Nitecki, 1974, pp. 133-135, 140-141, fig. 58a-d

Upper Mississippian, Chester Series, Lower Okaw, Golconda Limestone.

Tributary of Camp Creek, 1 mile northwest of Marigold, NW¼, NW¼, sec. 20, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 595. Collected by Stuart Weller, 1912.

Referred specimens: two specimens UC 26940

Thein and Nitecki, 1974, pp. 133-135, 140-141, fig. 58e-h (UC 26940-A); fig. 58i-l (UC 26940-B)

Upper Mississippian, Chester Series, Paint Creek Shale.

One-and-one-half miles northwest of Floraville, just north of bridge across Prairie du Long Creek. NW¼, NE¼, sec. 10, T. 2S., R. 9W., Milstadt Quadrangle, Illinois. Locality W.M. 567. Collected by Stuart Weller, 1911.

Referred specimens: two specimens UC 26736

Thein and Nitecki, 1974, pp. 133-135, 140-141, fig. 58m-p (UC 26736-A)

Upper Mississippian, Chester Series, Glen Dean Limestone.

About equal distance between Menard and Fort Gage, along the Mississippi River bluffs, above the railroad tracks. Chester Quadrangle, Illinois. Locality W.M. 216. Collected by Stuart Weller, 1907.

Platyceras ? columbiana S. Weller, 1903

"Plastocotypes": two casts UC 10214

S. Weller, 1903c, p. 131, pl. 4, figs. 7-8

Lower Ordovician, Beekmantown, Kittatinny Limestone.

Railroad cut of New York, Susquehanna and Western Railroad at Columbia, New Jersey. S. Weller, Locality 210A. New Jersey Collection.

Remarks: The originals of UC 10214 may be at NJSM.

Platyceras conicum Hall, 1862*Referred specimen:* UC 11763

Hall, 1876, pl. 1, fig. 23

= *Platyceras (Orthonychia) conicum* Hall, 1862

Hall, 1879, pp. 3-4, pl. 1, fig. 23

Middle Devonian, Hamilton Group.

Widder, Ontario. James Hall Collection.

Remarks: *P. conicum* = *Igoceras conicum* (Hall, 1862)

Grabau and Shimer, 1909, p. 689

= *P. (Orthonychia) conicum* Hall, 1862

Knight, 1944, p. 473

Platyceras (Platyostoma) cornutum (Kindle and Breger, 1904)See: *Diaphorostoma niagarensis* (Hall, 1852)**Platyceras daviesi** Roy, 1929*Holotype:* by original designation: P 21901. (missing)

Roy, 1929, pp. 207-208, pl. 38, fig. 7

Devonian.

Patacamaya, Bolivia. Collected by H. W. Nichols.

Platyceras depressum Stewart, 1922*Holotype:* by original designation: UC 27518A

Stewart, 1922, pp. 255-256, pl. 69, figs. 15-16

Referred specimens: two specimens UC 27518B

Stewart, 1922, pp. 255-256

Lower Devonian, Little Saline Limestone (lower beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras dumosum Conrad, 1840*Referred specimen:* UC 27527

Stewart, 1922, p. 256, pl. 68, fig. 5

Lower Devonian, Little Saline Limestone (upper beds)

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Remarks: Platyceras dumosum = *Platyceras (Platyceras) dumosum* Conrad, 1840
Knight, 1944, p. 473

Platyceras elongatum var. **parvum** Stewart, 1922

Holotype: by original designation: UC 27525
Stewart, 1922, p. 256, pl. 68, fig. 6

Lower Devonian, Little Saline Limestone (lower beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras equilatera Hall, 1860

“*Plestolotype*”: UC 15805

Hall, [1860], p. 89

Meek and Worthen, 1873, pp. 518-519, pl. 17, figs. 2 a-f

= *Capulus equilateralis* (Hall, 1860)

S. Weller, 1898, p. 162

Lower Mississippian, Keokuk Group

Keokuk, Iowa and Warsaw, Illinois. Hall Collection.

Platyceras erectoides S. Weller, 1906

Holotype: UC 11346A

S. Weller, 1906, p. 459, pl. 2 [7], figs. 34-35

Referred specimens: three specimens UC 11346B-D

S. Weller, 1906, p. 459

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Platyceras erectum (Hall, 1843)*Referred specimen:* UC 11761

Hall, 1876, pl. 2, figs. 9-10

Hall, 1879, p. 5, pl. 2, figs. 9-10

Middle Devonian, Hamilton Group.

At Geneseo, New York. James Hall Collection.

Remarks: = *Platyceras (Platyceras) erectum* (Hall, 1843)

Rollins et al., 1971, p. 162

Platyceras evolutus S. Weller, 1906*Holotype:* not designated, to be selected from UC 11344*Referred specimens:* two specimens UC 11344

S. Weller, 1906, pp. 459-460, pl. 2 [7], figs. 32-33

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain, and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904

Platyceras fissurella Hall, 1860*Holotype:* by monotypy: UC 6929

Hall, 1860, p. 90

Meek and Worthen, 1873, pp. 519-520, pl. 17, fig. 4

= *Igoceras fissurella* (Hall, 1860)

S. Weller, 1898, p. 313

Lower Mississippian, Osage Series, Keokuk Limestone.

Nauvoo, Illinois (published); Warsaw, Illinois (Museum Catalogue) Hall Collection.

Platyceras gebhardi Conrad, 1859*Referred specimens:* six specimens UC 27522

Stewart, 1922, pp. 256-257, pl. 68, figs. 7-10 (only two specimens figured)

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County,

Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras glenparkensis S. Weller, 1906

Holotype: not designated, to be selected from UC 11345

Referred specimens: six specimens UC 11345A-F

S. Weller, 1906, pp. 460-461, pl. 2 [7], figs. 30-31 (UC 11345A-B)

= *Platyceras (Platyceras) glenparkensis* S. Weller, 1906

Thein and Nitecki, 1974, pp. 122-123

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Platyceras cf. gracile Ohern, 1913

Referred specimens: three specimens UC 27523

Stewart, 1922, p. 257, pl. 68, figs. 11-13

Lower Devonian, Little Saline Limestone (lower beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras haliotoides Meek and Worthen, 1866

Holotype: by monotypy: UC 10623

Meek and Worthen, 1866a, p. 264

Meek and Worthen, 1868, p. 458, pl. 14, figs. 3a, b

= *Capulus haliotoides* (Meek and Worthen, 1866)

S. Weller, 1898, p. 163

Lower Mississippian, Waverly Sandstone, 50 ft. below the Millstone grit, (Kinderhook).

Richfield, Summit County, Ohio. Gurley Collection.

Platyceras indianense Miller and Gurley, 1897

Holotype: not designated, to be selected from UC 6336

Referred specimens: two specimens UC 6336

Miller and Gurley, 1897, p. 48, pl. 4, figs. 7-9 (small specimen);
fig. 10 (large specimen)

Kindle, 1901, p. 727

Middle Devonian, Hamilton Group.

Near Charlestown, Clark County, Indiana. Collected by G. K. Greene. Gurley Collection.

Platyceras infundibulum Meek and Worthen, 1866

See: *Platyceras subrectum* Hall, 1860

Platyceras (Orthonychia) infundibulum Meek and Worthen, 1866

See: *Platyceras subrectum* Hall, 1860

Platyceras intermedium Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 28745

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

Platyceras magnificum Hall, 1859

Referred specimens: four specimens UC 27529

Stewart, 1922, p. 257, pl. 68, figs. 14-17

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras (Orthonychia) mayesense (Snider, 1915)

See: *Orthonychia mayesense* Snider, 1915

Platyceras cf. multisinuatum Hall, 1859

Referred specimen: UC 27515

Stewart, 1922, pp. 257-258, pl. 69, fig. 1.

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras multispinosum Meek, 1872

Referred specimen: UC 12256

Meek, 1873, pp. 210-211, pl. 20, fig. 7b

Hall, 1876, pl. 6, figs. 2-3

Hall, 1879, pp. 15-16, pl. 6, figs. 2-3

Lesley, 1889, p. 673, text-fig. on p. 673

Middle Devonian, "Upper Helderberg" (published), Onondaga Limestone. [In UC Catalogue]

Near Columbus, Ohio. Collected by Dr. J. S. Newberry, James Hall Collection.

Remarks: Although the Hall and Meek illustrations differ, they both are figures of UC 12256.

Platyceras nasutum Miller, 1891

Holotype: by monotypy: UC 6966A

Miller, 1891, pp. 82-83, pl. 14, figs. 17-18

Miller, 1892a, pp. 692-693, pl. 14, figs. 17-18

Branson, 1938a, p. 109, pl. 14, figs. 15-18

= *Capulus nasutum* (Miller, 1891)

S. Weller, 1898, p. 164

Referred specimens: UC 6966B-C (specimens UC 6966D-E missing)

Miller, 1891, pp. 82-83

Miller, 1892a, pp. 692-693

Branson, 1938a, p. 109

= *Capulus nasutum* (Miller, 1891)

S. Weller, 1898, p. 164

Lower Mississippian, Chouteau Group, Chouteau Limestone. Sedalia, Missouri. Sampson Collection.

Platyceras cf. newberryi Hall, 1859

Referred specimen: UC 27519

Stewart, 1922, p. 258, pl. 69, fig. 2

Lower Devonian, Little Saline Limestone lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras niagarens (Hall, 1852)

Referred specimens: six specimens UC 4655

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.
Chicago, Illinois.

“*Plastoplesiotypes*”: three casts UC 28744

Wing, 1925, p. 313

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.
Bridgeport Quarry, Chicago, Illinois.

Remarks: = *Platyceras (Platyceras) niagarens* (Hall, 1852)

Knight, 1944, p. 473

UC 28744 contains casts of CAS 2728 and CAS 2734A.

Platyceras nodosum Conrad, 1841

“*Plastoplesiotype*”: UC 22191

Hall, 1859, p. 473, pl. 115, fig. 6

Lower Devonian, Oriskany Sandstone.

Schoharie and Albany Counties, New York. James Hall Collection.

Remarks: UC 22191 is a cast of AMNH 2691/1

Platyceras nodosum Conrad, 1841

Referred specimens: three specimens UC 27521

Stewart, 1922, pp. 258-259, pl. 69, figs. 3-6.

Lower Devonian, Little Saline Limestone, lower and upper beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras paralius White and Whitfield, 1862

Referred specimens: two specimens UC 13903

S. Weller, 1909, pp. 319-320, pl. 15, figs. 17-18

Lower Mississippian, Kinderhook, Fern Glen Formation.

Bluffs of the Meramac River, in Missouri Pacific RR cut, just west of Fern Glen Station, about 20 miles west of Saint Louis, Missouri.

S. Weller Locality 22, Collected by S. Weller, 1906.

Platyceras parvum (Swallow, 1858)

Referred specimen: UC 16108

Mather, 1915, pp. 238-239, pl. 15, fig. 28

= *P. (Orthonychia) parvum* (Swallow, 1858)

Yochelson and Saunders, 1967, p. 174

Lower Pennsylvanian, Morrow Series, Bloyd Shale. Brentwood Limestone Member.

Station 135, an abandoned quarry, 3½ miles northeast of Fayetteville, Arkansas. K. F. Mather, Donor.

Platyceras pentalobus Hall, 1859

Referred specimens: seven specimens UC 21123

Tansey, 1922, p. 207, pl. 54, figs. 10-20 (six figured specimens are marked with red dot, the one unfigured specimen is marked with blue ink).

Lower Devonian, Bailey Limestone (chert).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras peregrinus Stewart, 1922

Holotype: by original designation: UC 27517

Stewart, 1922, p. 259, pl. 69, figs. 13-14

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras planovolvis Stewart, 1922

Holotype: by original designation UC 27526A
Stewart, 1922, p. 259, pl. 70, fig. 5

Referred specimens: four specimens UC 27526B
Stewart, 1922, p. 259, pl. 70, figs. 1-4

Lower Devonian, Little Saline Limestone (lower and upper beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quad., Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras plicatum (Conrad, 1840)

"Plastoplesiotype": UC 22189
Hall, 1859, p. 334, pl. 64, figs. 3-4
Grabau, 1906, text-fig. 64

= *Igoceras plicatum* (Conrad, 1840)
Grabau and Shimer, 1909, p. 689, text-fig. 978

Lower Devonian, Helderberg. New Scotland beds.

Albany and Schoharie Counties, New York. James Hall Collection.

Remarks: *Igoceras* = *Platyceras* (*Orthonychia*)
Knight et al., 1960, p. 1240
The depository of the original specimen is unknown.

Platyceras prima Ball, 1928 nomen nudum

Referred specimens: three specimens UC 34627 and one specimen UC 34625

Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation, *Merista* bed.

Referred specimens: 10 specimens UC 34626
Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation, *Pisocrinus* beds (Ball, 1927, unpublished, p. 318).

On Greither Hills about 2¼ miles southeast of Ozora along the road from Ozora to St. Marys. Ste. Genevieve County, Missouri. Collected by J. R. Ball.

Platyceras reflexum Hall, 1859

Referred specimens: four specimens: UC 27530

Stewart, 1922, pp. 259-260, pl. 69, figs. 7-9 (one specimen not figured).

Lower Devonian, Little Saline Limestone (lower beds).

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras retrorsum Hall, 1859

Referred specimen: UC 27524

Stewart, 1922, p. 260, pl. 69, fig. 10

Lower Devonian, Little Saline Limestone, lower beds

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras reversum Hall, 1860

Holotype: by monotypy UC 10625

Hall, [1860], p. 91

= *Platyceras* [?] *reversum* Hall, 1860

Meek and Worthen, 1868, pp. 508-509, pl. 15, figs. 4a-b and text-fig on p. 508

= *Platyceras (Exogyroceras) reversum* Hall, 1860

Meek and Worthen, 1868, p. 509 and in caption to plate

= *Strophostylus reversum* (Hall, 1860)

S. Weller, 1898, p. 615

= *Platyceras (Platyceras) reversum* Hall, 1860

Thein and Nitecki, 1974, p. 123

Lower Mississippian, Osage Series, Burlington Limestone.

Booneville, Missouri. Gurley Collection

Platyceras cf. subconicum Ohern, 1913

Referred specimen: UC 27520

Stewart, 1922, p. 260, pl. 69, fig. 11

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras (Orthonychia) subplicatum Meek and Worthen, 1866

Referred specimen: UC 10624

Meek and Worthen, 1866b, pp. 265-266

= *Platyceras (Orthonychia?) subplicatum* Meek and Worthen, 1866

Meek and Worthen, 1868, p. 457, pl. 14, fig. 3c

= *Igoceras subplicatum* (Meek and Worthen, 1866)

S. Weller, 1898, p. 314

Upper Mississippian, Chester Series, or Lower Mississippian, upper part of Waverly Group, Richfield, Summit County, Ohio (Meek and Worthen, 1868, p. 457 and University Catalogue). Gurley Collection.

Chester, Illinois (Meek and Worthen, 1866, p. 266).

Remarks: UC 10624 is catalogued as "cotype."

Platyceras subrectum Hall, 1860

"Plastoplesiotype": UC 15803

Hall, [1860,], p. 89

= *Platyceras (Orthonychia) infundibulum* Meek and Worthen, 1866

Meek and Worthen, 1866b, p. 266

= *Platyceras infundibulum* Meek and Worthen, 1866

Meek and Worthen, 1873, pp. 517-518, pl. 17, fig. 3a

= *Igoceras pabulocrinus* (Owen, 1862)

S. Weller, 1898, p. 313

Lower Mississippian, Osage Series, Keokuk Group.

Warsaw, Illinois. Hall Collection.

Remarks: UC 15803 is a cast of University of Illinois, X153.

Platyceras subrotundum Snider, 1915

Holotype: by original designation: UC 16230

Snider, 1915, p. 118, pl. 7, figs. 10-11

Easton, 1942, pl. 11, fig. 13

Easton, 1943, p. 133

Referred specimens: two specimens UC 17198; two specimens UC 17197; UC 17196; and five specimens UC 17195.

Snider, 1915, p. 118

= *Platyceras (Platyceras) subrotundum* Snider, 1915

Thein and Nitecki, 1974, p. 122.

Upper Mississippian, Chester Series, Pitkin Formation.

Near foot of bluff about 1 mile northeast of quarry at Keough, Muskogee Quadrangle, Oklahoma, Snider Collection (UC 17198); Hillside about 1 mile east of Melvin, in sec. 27, T. 17N., R. 20E., Muskogee Quadrangle, Oklahoma, Snider Collection (UC 17197): NE $\frac{1}{4}$, sec. 25, T.17N., R.20E., about 1 mile east of Hulbert, Muskogee Quadrangle, Oklahoma, Snider Collection (UC 17196); Hill in northern half of sec. 18, T.17N., R.20E., 4 miles west and 2 miles north of Hulbert, Muskogee Quadrangle, Oklahoma, Snider Collection (UC 17195); N $\frac{1}{2}$ sec. 29, T. 15 N. R.29E., southwest of Ft. Gibson, Muskogee Quadrangle, Oklahoma, Snider Collection (UC 16230).

***Platyceras (Platyceras) subrotundum* Snider, 1915**

Referred specimens: four specimens UC 30352

Thein and Nitecki, 1974, pp. 121-123, fig. 50c (UC 30352-A); fig. 50 d-e (UC 30352-B).

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft. elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimen: UC 30421

Thein and Nitecki, 1974, pp. 121-123, fig. 50a

Upper Mississippian, Chester Series, Glen Dean Limestone.

Two-and-one-half miles southeast of Vienna, north of Cave Creek, sec. 15, R. 3E., T. 13S., Mermet Quadrangle, Illinois. Locality W.M. 18-28. Collected by Stuart Weller, 1918.

Referred specimen: UC 30562

Thein and Nitecki, 1974, pp. 121-123, fig. 50b

Upper Mississippian, Chester Series, Glen Dean Limestone.

One-and-three-fourths miles north of Homberg, SW¼, SW¼, sec. 27, R. 6E., T. 13S., Brownfield Quadrangle, Illinois. Locality W.M. 16-3. Collected by Stuart Weller, 1916.

See also: *Platyceras subrotundum* (Snider, 1915)

Platyceras symmetricum Hall, 1862

Holotype: not designated

Referred specimen: UC 12253

Hall, 1876, pl. 3, figs. 18-21

Hall, 1879, pp. 9-10, pl. 3, figs. 18-21

Lesley, 1889, p. 680, text-fig. on p. 680

Grabau and Shimer, 1909, p. 684, text-fig. 964

Middle Devonian, Hamilton Group.

Canandaigua Lake, New York. James Hall Collection.

Remarks: "Cotypes" of *P. symmetricum* include UC 12253, AMNH 4905/1 and AMNH 4905/2.

Platyceras thetis Hall, 1862

Holotype: not designated

Referred specimen: UC 11762

Hall, 1862, p. 32

Hall, 1876, pl. 3, figs. 11-12

Hall, 1879, pp. 8-9, pl. 3, figs. 11-12

Grabau and Shimer, 1909, p. 684, text-fig. 963d

Middle Devonian, Hamilton Group.

(Canandaigua Lake and Bellona?) New York. James Hall Collection.

Remarks: UC 11762 is one of the original specimens that Hall described.

Platyceras trilobatum Hall, 1859

Referred specimen: UC 27516

Stewart, 1922, pp. 260-261, pl. 69, fig. 12

Lower Devonian, Little Saline Limestone, lower beds.

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras (Platystoma) ventricosum (Conrad, 1842)

See: *Diaphorostoma ventricosum* (Conrad, 1842)

Platyceras sp. A.

Referred specimen: UC 14871

S. Weller, 1916, p. 262, pl. 19, figs. 17, 18

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Platyceras sp. B.

Referred specimen: UC 14872

S. Weller, 1916, p. 262, pl. 19, fig. 19

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Platyceras sp.

Referred specimen: UC 21120

Tansey, 1922, p. 207, pl. 54, figs. 21-22

Lower Devonian, Bailey Limestone

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quad., Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras (?) sp.

Referred specimen: UC 21127.

Tansey, 1922, p. 207, pl. 54, figs. 23-24

Lower Devonian, Bailey Limestone (chert).

Quarries of Ozora Marble Company, in east bank of Little Saline

Creek, just south of bend in stream from northerly to easterly direction, a little less than 1½ miles west of State Highway H, south of Ozora, Weingarten Quadrangle., Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Platyceras (Platyceras) sp. indet. 1

Referred specimen: UC 25253

Thein and Nitecki, 1974, pp. 122-124, fig. 51a-c

Upper Mississippian, Chester Series, Lower part of Okaw (Golconda).

One-hundred-twenty-ft. above railroad track in Fort Gage, sec. 32,

R. 7W., T. 6S., Chester Quadrangle, Illinois. Locality W.M. 212.

Collected by Stuart Weller, 1907.

Platyceras (Platyceras) sp. indet. 2

Referred specimen: UC 30813

Thein and Nitecki, 1974, pp. 123-124, fig. 52a-b

Upper Mississippian, Chester Series, Renault Limestone.

About one-half mile northeast of Princeton, along unnumbered road situated between US Highway 62 and Kentucky Highway 293.

Southwestern corner of Princeton East Quadrangle, Kentucky.

Locality W.M. KP 25. Collected by Stuart Weller, 1921.

Platyceras (Orthonychia) sp.

See: *Capulus sp.*

Platyceras (Orthonychia) spp.

See: *Igoceras spp.*

Orthonychia spp.

Platyceras (Platystoma) spp.

See: *Diaphorostoma spp.*

Platystoma spp.

Platystoma turbinata Hall, 1861

Holotype: Not designated

Referred specimen: UC 11758

Hall, 1876, pl. 9, figs. 23-24

Hall, 1879, pp. 27-28, pl. 9, figs. 23-24

Middle Devonian, Upper Helderberg (Published), Onondaga Limestone (UC Catalogue).

Onondaga, Onondaga County, New York. James Hall Collection.

Remarks: *Platyostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. 1240

The "cotypes" of *P. turbinata* include UC 11758, AMNH 2857/2, and AMNH 2857/3.

Referred specimen: UC 12654

Hall, 1876, pl. 10, figs. 23-24

Hall, 1879, pp. 27-28, pl. 9, figs. 23-24

Middle Devonian, Onondaga Limestone (UC catalogue), "Upper Helderberg Limestone" (Published).

Albany, Schoharie, or Onondaga County, New York. James Hall Collection.

Remarks: UC 12654 is catalogued as a "cotype." However, it is not "The specimen from which the species was originally described" (Hall, 1879, explanation of pl. 9).

***Platyostoma turbinata* var. *cochleata* Hall, 1876**

Holotype: not designated

Referred specimens: three specimens UC 11757

Hall, 1876, pl. 9, figs. 3, 8, 9-11

Hall, 1879, pp. 28-29, pl. 9, figs. 3, 8, 9-11

Middle Devonian, "Upper Helderberg Limestone" (Published), Onondaga Limestone (UC Catalogue).

Onondaga County, New York. Collected by Prof. E. A. Strong. James Hall Collection.

Remarks: *Platyostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. 1240

"Cotypes" of *P. turbinata cochleata* include UC 11757 and AMNH 28570/3.

***Platyostoma ventricosa* Conrad, 1840**

"*Plastoplesiotype*": UC 574

Hall 1859b, pp. 469-470, pl. 113, figs. 7-8

Lower Devonian, Oriskany Sandstone.

Probably Schoharie County, New York. James Hall Collection.

Remarks: *Platyostoma* = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. I240
 UC 574 is a cast of AMNH 2694/1

Platyschisma missouriensis S. Weller, 1899

Holotype: by original designation: UC 5959

S. Weller, 1899, pp. 42-43, pl. 5, figs. 1-4

Branson, 1938b, pp. 42-43, pl. 24, figs. 31-33

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1898.

Platystoma broadheadi Miller, 1891

Holotype: not designated, to be selected from UC 6965

Referred specimen: two specimens UC 6965

Miller, 1891, p. 86, pl. 14, figs. 19-20

Miller, 1892a, p. 696, pl. 14, figs. 19-20

= *Capulus haliotooides* (Meek and Worthen, 1866)

S. Weller, 1898, p. 163

Lower Mississippian, Kinderhook Series, Chouteau Limestone.

Sedalia, Missouri. Sampson Collection.

Platystoma nearpassi S. Weller, 1903

Holotype: not designated

Referred specimens: two specimens UC 10464

S. Weller, 1903c, p. 334, pl. 43, figs. 1-2. (UC 10464 with red dot)

Lower Devonian, "Lower" Oriskany Formation.

In Sussex County, New Jersey at the Old William Nearpass Quarry on the farms of Sanford Nearpass and John Bigart about 3 miles south of Port Jervis, New York. S. Weller, Locality 2A33. New Jersey Collection.

Remarks: A third "cotype," the specimen figured in pl. 43, fig. 3-4 was apparently not deposited in the UC Collection, and may be at NJSM.

Platystoma = *Platyceras* (*Platyostoma*)

Knight et al., 1960, p. I240

Platystoma peoriensis McChesney, 1859

“*Plastoholotype*”: UC 13246

McChesney, 1859, pp. 62-63

McChesney, 1865, pl. 2, figs. 11a-11d

= *Platystoma peoriense* McChesney, 1859

McChesney, 1868, p. 49, pl. 2, figs. 11a-b

= *Strophostylus peoriensis* (McChesney, 1859)

Keyes, 1894, p. 197

= *Naticopsis peoriensis* (McChesney, 1859)

Knight, 1933, p. 367, pl. 43, fig. 1 (cast figured)

= *Naticopsis (Naticopsis) peoriensis* (McChesney, 1859)

Yochelson and Saunders, 1967, p. 142

Pennsylvanian, “Upper Coal Measures.”

Evans Quarry, Peoria, Peoria County, Illinois. (UC catalogue) James Hall Collection.

Remarks: *P. peoriensis* is based on a steinkern and is unrecognizable. (Knight, 1933, p. 367).

McChesney's original specimens were destroyed in the Chicago Fire of 1871 (Kirk, 1955, p. 4).

Platyzona americana Thein and Nitecki, 1974

Holotype: by original designation: UC 56354

Thein and Nitecki, 1974, pp. 170-172, fig. 74a-c

Referred specimens: five specimens UC 56355

Thein and Nitecki, 1974, pp. 170-172, fig. 74d (UC 56355-A); fig. e-f (UC 56355-B); fig. 74g (UC 56355-C); fig. 74h (UC 56355-D); fig. 74i (UC 56355-E)

Referred specimens: 16 specimens UC 30488

Thein and Nitecki, 1974, pp. 171-172, fig. 74j (UC 30448-A)

Upper Mississippian, Chester Series, Golconda Limestone.

One and one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Platyzona sp. indet. 1

Referred specimen: UC 25944 [not UC 25994]

Thein and Nitecki, 1974, pp. 172-173, fig. 75a-c

Upper Mississippian, Chester Series, Lower Okaw Limestone.

West bluff of the Mississippi River, above highway and railroad tracks. One mile northwest of Perryville Junction, Perry County, Missouri, Chester Quadrangle. Illinois-Missouri. Collected by Stuart Weller, 1926.

Platyzona sp. indet. 2

Referred specimens: two specimens UC 30343

Thein and Nitecki, 1974, pp. 173-176, fig. 76a-c (UC 30343-A)

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of creek, at 400-ft elevation. NW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Pleuronotus Decewi (Billings, 1861)

"Plastoplesiotype": UC 11779

Hall, 1879, pp. 55-56, 137-138, pl. 27, unnumbered figure in upper right hand corner of plate.

Middle Devonian.

Probably Haldimand County, Ontario, Canada. (See discussion in Knight, 1941, pp. 258-259). James Hall Collection.

Remarks: UC 11779 is a model of cross-section.

"Pleuropterus" halei (Hall, 1861)

Referred specimen: UC 28779

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Remarks: The generic name "*Pleuropterus*" Wing, 1925 has been proposed only as a *nomen nudum*. UC 28779 may be *Euomphalopterus halei* (Hall, 1861).

"Pleuropterus" rotundus Wing, 1925 *nomen nudum*

Referred specimens: two specimens, UC 21965, and one specimen UC 28777

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Remarks: The generic name "*Pleuropterus*" Wing, 1925 has been proposed only as a *nomen nudum*. UC 21965 and UC 28777 may be *Euomphalopterus* sp. or *Mourlonia* sp.

Referred specimen: UC 28776

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by A. W. Slocum, 1923.

Remarks: The generic name "*Pleuropterus*" Wing, 1925 has been proposed only as a *nomen nudum*. UC 28776 may be *Euomphalopterus* sp. or *Mourlonia* sp.

***Pleurotoma adeona* Whitfield, 1865**

Holotype: by monotypy: UC 24523

Whitfield, 1865, p. 262

Whitfield, 1899, p. 173

= *Pleurotoma (Surcula) adeona* Whitfield, 1865

Harris, 1896, p. 76

= *Pleurotoma (Strombina) adeona* Whitfield, 1865

Gregorio, 1890, p. 27

= *Orthosurcula adeona* (Whitfield, 1865)

Gardner, 1935, p. 216

LeBlanc, 1942, pp. 149-150

Palmer and Brann, 1966, pp. 809-810

= *Orthosurcula ? adeona* (Whitfield 1865)

Gardner, 1945, pp. 233-234, pl. 25, fig. 8

Paleocene, Upper Midway Group. Matthews Landing Beds, uppermost Porters Creek Formation.

Matthews Landing, Wilcox County, Alabama (Palmer and Brann, 1966, p. 810) = 9 miles below Prairie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Pleurotoma capax* Whitfield, 1865**

Holotype: not designated, to be selected from two specimens UC 24511

Whitfield, 1865, pp. 261-262, pl. 27, fig. 3

Harris, 1899, pp. 18-19

Whitfield, 1899, p. 173

LeBlanc, 1942, pp. 152-153

= *Pleurotoma (Surcula) capax* Whitfield, 1865

Gregorio, 1890, p. 31, pl. 2, fig. 19

= *Surcula ? capax* (Whitfield, 1865)

Cossmann, 1893, p. 44

= "*Pleurotoma*" *capax* Whitfield, 1865

Palmer and Brann, 1966, p. 835

Lower Eocene, Tuscahoma Formation, Middle Wilcox Group.

Probably Bells Landing, Alabama River, Monroe County, Alabama.

(Palmer and Brann, 1966, p. 834) = 6 miles above Claiborne Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Pleurotoma nasuta* Whitfield, 1865**

Holotype: not designated, to be selected from two specimens UC 24507.

Whitfield, 1865, p. 262

Whitfield, 1899, p. 173

= *Pleurotoma (Strombina) nasuta* Whitfield, 1865

Gregorio, 1890, p. 27

= *Surcula nasuta* (Whitfield, 1865)

Harris, 1899, p. 21

Palmer and Brann, 1966, p. 931, pl. 5, fig. 4

= *Turricula nasuta* (Whitfield, 1865)

LeBlanc, 1942, p. 141

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation.

Probably Bells Landing, Alabama River, Monroe County, Alabama.

(Palmer and Brann, 1966, p. 931) = 6 miles above Claiborne, west side of River (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Pleurotoma persa* Whitfield, 1865**

Holotype: not designated, to be selected from three specimens UC 24524

Whitfield, 1865, p. 262, pl. 27, fig. 4

Whitfield, 1899, p. 173

= *Pleurotoma (Surcula) persa* Whitfield, 1865

Gregorio, 1890, p. 31, pl. 2, fig. 20

= *Surcula persa* (Whitfield, 1865)

Cossmann, 1893, p. 43

= *Orthosurcula persa* (Whitfield, 1865)

Le Blanc, 1942, p. 147

Palmer and Brann, 1966, p. 811

Paleocene, Upper Midway Group. Uppermost Porters Creek Formation. Matthews Landing Beds.

Matthews Landing, Alabama River, Wilcox County, Alabama (Palmer and Brann, 1966, p. 811) = 9 miles below Prairie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Pleurotomaria arata* Hall, 1862**

Holotype: not designated

Referred specimen: UC 11767

Hall, 1879, pp. 64-65, pl. 30, fig. 26

Lower Devonian, Probably "Upper Helderberg Limestone" (Published) Onondaga Limestone (UC Catalogue).

Western New York. James Hall Collection.

Referred specimen: UC 11769

Hall, 1879, pp. 64-65, pl. 30, fig. 27

Middle Devonian, probably Schoharie Grit.

Helderberg Mountains or Schoharie, Schoharie County, New York.

Remarks: UC 11767 and UC 11769 are "cotypes" with AMNH 2867/1 and another specimen whose whereabouts is unknown.

P. arata = *Spiroraphe arata* (Hall, 1862)

Grabau and Shimer, 1909, p. 645

S. arata = *Euryzone arata* (Hall, 1862)

Knight, 1944, p. 453

***Pleurotomaria carbonaria* Norwood and Pratten, 1855**

See: *Pleurotomaria harii* Miller, 1891

Pleurotomaria newportensis White, 1880

Pleurotomaria ? conoidea* Wing, 1925 *nomen nudum

Referred specimen: UC 23131

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Port Byron, Illinois. James Hall Collection.

Remarks: *Pleurotomaria* has a post-Paleozoic type species and is not currently considered to range into the Paleozoic (Yochelson and Saunders, 1967, p. 181).

Pleurotomaria gonopleura Winchell and Marcy, 1865.

“*Plastoholotype*” and “*Plastoplesiotype*”: UC 724

Winchell and Marcy, 1865, p. 98, pl. 3, fig. 4

Middle Silurian, Late Wenlock-Ludlow. Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. James Hall Collection.

Remarks: *Pleurotomaria* has a post-Paleozoic type species and is not currently considered to range into the Paleozoic (Yochelson and Saunders, 1967, p. 181). *P. gonopleura* has not been reassigned.

Pleurotomaria gurleyi Meek, 1872

Holotype: by monotypy: UC 6351

Meek, 1872a, pp. 177-178

Meek and Worthen, 1873, pl. 30, figs. 6a-6c

Meek, 1874, p. 584

= *Yvania gurleyi* (Meek, 1872)

J. M. Weller, 1929a, pp. 20-22, pl. 3, figs. la-ld

= *Baylea gurleyi* (Meek, 1872)

Yochelson and Saunders, 1967, p. 35

Pennsylvanian, black shales overlying the Danville coal.

Danville, Vermillion County, Illinois. Gurley Collection.

Remarks: UC 6351 contains two specimens catalogued as “types.” Meek, 1872a described only the larger specimen.

Pleurotomaria Halei Hall, 1861

“*Plastoplesiotype*”: UC 756

Winchell and Marcy, 1865, p. 109.

Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. James Hall Collection.

Remarks: *P. Halei* = *Euomphalopterus halei* (Hall, 1861) Bassler, 1915, p. 512.

Pleurotomaria harii Miller, 1891

Holotype: not designated, to be selected from two specimens UC 6304

Miller, 1891, p. 83, pl. 14, figs. 3-4

Miller, 1892a, p. 693, pl. 14, figs. 3-4

= *Pleurotomaria ? carbonaria* Norwood and Pratten, 1855

Girty, 1903, p. 456

= *Shansiella carbonaria* (Norwood and Pratten, 1855)

Yochelson and Saunders, 1967, p. 202

Pennsylvanian, "Upper Coal Measures."

At Kansas City, Missouri. Collected by S. J. Hare. Gurley Collection.

Remarks: Only UC 6304 with red dot is figured.

Pleurotomaria (Isonema) imitator (Hall and Whitfield, 1872)

Holotype: not designated

Referred specimen: UC 11764

Hall and Whitfield, 1872, p. 195

Hall and Whitfield, 1875, pl. 13, figs. 9-10

Hall, 1876, pl. 14, figs. 17-19

= *Callonema imitator* (Hall and Whitfield, 1872)

Hall, 1879, pp. 53-54, pl. 14, fig. 17

Middle Devonian, "Corniferous Limestone" (Published) Jeffersonville Limestone. (UC Catalogue).

Falls of the Ohio, Louisville, Kentucky. James Hall Collection.

Remarks: *Callonema* = *Elasmonema*.

Knight et al., 1960, p. 1243

UC 11764 and AMNH 4229/1 are "cotypes."

Pleurotomaria inexpectans Hall and Whitfield, 1875

Holotype: not designated, to be selected from two specimens UC 817

Hall and Whitfield, 1875, pp. 117-118, pl. 5, fig. 12

Foerste, 1885, p. 96

Silurian, Late Llandovery-Wenlock, Clinton Group.

Clinton County, Ohio. U. P. James Collection.

Remarks: The genus *Pleurotomaria* has a post-Paleozoic type species and is not currently considered to range into the Paleozoic (Yochelson and Saunders, 1967, p. 181). *P. inexpectans* has not been reassigned. The figure is a composite drawing of both specimens and possibly others whose whereabouts is unknown.

Pleurotomaria lucina Hall, 1862

Referred specimen: UC 12504

Hall, 1879, pp. 67-68, pl. 30, fig. 23

Middle Devonian, Hamilton Group.

New York. James Hall Collection.

Remarks: *P. lucina* = *Euryzone (Pleurorima) lucina* (Hall, 1862)

Grabau and Shimer, 1909, p. 645

= *Mourlonia lucina* (Hall, 1862)

Knight, 1944, p. 457

Pleurotomaria mississippiensis White and Whitfield, 1862

“*Plastoholotype*”: UC 15790

White and Whitfield, 1862, p. 302

= *Worthenia mississippiensis* (White and Whitfield, 1862)

S. Weller, 1901, pp. 200-201, pl. 20, fig. 12

Lower Mississippian, Kinderhook, soft, buff, gritty limestone (S. Weller, 1900, bed no. 7).

Burlington, Iowa. Hall Collection.

Remarks: UC 15790 is a cast of UMMP 1448.

Pleurotomaria newportensis White, 1880

Holotype: by monotypy: UC 6346

White, 1880, p. 169, pl. 42, figs. 2a-b

Pennsylvanian, “Coal measures.”

Newport, Vermillion County, Indiana. Collected by W. F. Gurley.

Remarks: *Pleurotomaria newportensis* probably = *P. carbonaria*

Norwood and Pratten, 1855

Morningstar, 1922, p. 253

Pleurotomaria carbonaria = *Shansiella carbonaria* (Norwood and Pratten 1855)

Knight, 1944, p. 457

Pleurotomaria occidentis Hall, 1865

Referred specimen: UC 32940

Fisher, 1925, p. 42, pl. 5, fig. 8

Middle Silurian, Late Wenlock-Ludlow, “Niagaran Dolomite” (Joliet Dolomite ?)

Joliet, Will County, Illinois. Van Horne Collection.

Remarks: *Pleurotomaria occidentis* = *Phanerotrema occidentis* (Hall, 1865)

Knight, 1944, p. 453

Pleurotomaria ohioensis James, 1878

Holotype: not designated, to be selected from two specimens UC 2398

James, 1878, p. 12

= *Lophospira ohioensis* (James, 1878)

Ulrich and Scofield, 1897, p. 950.

Upper Ordovician, Eden

Cincinnati, Ohio. James Collection.

Remarks: Bassler, 1915, p. 762 describes *L. ohioensis* as "not recognizable."

Lophospira = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

***Pleurotomaria scitula* Meek and Worthen, 1861**

Holotype: by monotypy: UC 7909

Meek and Worthen, 1861, pp. 461-462

Meek and Worthen, 1866a, pp. 353-354, pl. 28, figs. 9a-d

= *Dictyotomaria scitula* (Meek and Worthen, 1861)

Knight, 1945, pp. 576-577

= *Glyptotomaria* (*Dictyotomaria*) *scitula* (Meek and Worthen, 1861)

Sturgeon, 1964, pp. 744-745

Yochelson and Saunders, 1967, p. 89

Pennsylvanian, "Lower coal measures."

Hodges Creek, Macoupin County, Illinois. Gurley Collection.

Remarks: *Pleurotomaria scitula* is the type species for the genus *Dictyotomaria* Knight, 1945, (Knight, 1945, pp. 576-577).

Sturgeon, 1964, pp. 744-745 assumed that this specimen was lost and designated a lectotype, but UC 7909 is the specimen described and figured by Meek and Worthen, 1866a.

***Pleurotomaria sedaliense* Miller, 1891**

Holotype: by monotypy: UC 6963

Miller, 1891, p. 83, pl. 14, fig. 13

Miller, 1892a, p. 693, pl. 14, fig. 13

Keyes, 1894 [1895], p. 134

S. Weller, 1898, p. 459

= *Pleurotomaria sedaliensis* Miller, 1891

Branson, 1938a, p. 104, pl. 14, fig. 14.

Lower Mississippian, Choteau Group, Choteau Limestone.

Sedalia, Missouri, Collected by R. A. Blair and F. A. Sampson. Sampson Collection.

Remarks: *Pleurotomaria* has a post-Paleozoic type species, and is not currently considered to range into the Paleozoic. *P. sedaliense* has not been reassigned (Yochelson and Saunders, 1967, p. 181).

Pleurotomaria subscalaris ? Meek and Worthen, 1860

Referred specimen: UC 31357

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Remarks: *Pleurotomaria subscalaris* = *Worthenia subscalaris* (Meek and Worthen, 1860).

Yochelson and Saunders, 1967, pp. 242-243.

Pleurotomaria sulcomarginata Conrad, 1842

Referred specimen: UC 12505

Hall, 1876, pl. 19, figs. 13-14

Hall, 1879, pp. 69-70, pl. 19, figs. 13-14

= *Bembexia sulcomarginata* (Conrad, 1842)

Grabau and Shimer, 1909, p. 647, text-fig. 883

Knight, 1944, p. 457, pl. 184, fig. 25-26

Middle Devonian, Hamilton Group.

Delphi, New York. James Hall Collection.

Pleurotomaria tabulata (Conrad, 1835)

"Plastoplesiotype": UC 15916

Hall, 1858, p. 721, pl. 29, figs. 12a-b

Pennsylvanian, "Coal Measures."

Pennsylvania, Indiana, or Illinois. James Hall Collection.

Remarks: *P. tabulata* = *Worthenia tabulata* (Conrad, 1835)

Ulrich in Ulrich and Scofield, 1897, p. 953.

Yochelson and Saunders, 1967, pp. 243-244.

The depository of the original specimen is unknown.

Pleurotomaria (Scalites?) tropidophora Meek, 1872

Holotype: not designated, to be selected from UC 8785

Referred specimens: three specimens UC 8785

Meek, 1872b, pp. 278-279

Meek, 1873, pp. 154-155, pl. 13, figs. 6a-6c

Lesley, 1889, p. 719, text-fig. on p. 719

= *Pleurotomaria tropidophora* Meek, 1872

Miller, 1874, p. 317

= *Lophospira tropidophora* (Meek, 1872)

Ulrich and Scofield, 1897, p. 962

Cumings, 1908, pp. 969-970

Upper Ordovician, Cincinnati, Eden-Richmond.

Versailles, Ripley County, Indiana. Faber Collection.

Remarks: *Lophospira* = *Loxoplocus* (*Lophospira*)

Knight et al., 1960, p. 1208

***Pleurotomaria* ? sp. undet.**

Referred specimen: UC 6677

S. Weller, 1901, p. 191, pl. 17, fig. 12

Lower Mississippian, Kinderhook, white oolitic limestone. (S. Weller, 1900, bed no. 6).

Burlington, Iowa. S. Weller Collection.

Poleumita associata* Wing, 1925 *nomen nudum

Referred specimen: UC 28788

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

***Poleumita crenulata* (Whiteaves, 1884)**

Referred specimen: UC 28782

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Referred specimen: UC 28783

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Poleumita* ? *discoidea* Wing, 1925 *nomen nudum

Referred specimen: UC 28791

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by University of Chicago field class.

Poleumita minuta Wing, 1925 *nomen nudum*

Referred specimens: seven specimens UC 28787

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Poleumita multicarinata Wing, 1925 *nomen nudum*

Referred specimen: UC 28781.

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by University of Chicago field class, 1917.

Poleumita rugaelineata (Hall and Whitfield, 1872)

See: *Euomphalus (Cyclonema) rugaelineata* Hall and Whitfield, 1872

Poleumita sp.

Referred specimens: three specimens UC 28786, UC 28785, UC 27459 (opercula).

Wing, 1925, p. 315

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by R. T. Chamberlin (UC 27459 and 28785) and M. E. Wing (UC 28786).

Remarks: UC 27459 is missing.

“*Plastoplesiotype*”: UC 28784 (opercula)

Wing, 1925, p. 315

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne, Cook County, Illinois. James Hall Collection

Polinices onustus Whitfield, 1865

See: *Natica (Polinices) onusta* Whitfield, 1865

Polygyrata sinistra S. Weller, 1903

“*Plastoholotype*”: UC 10216

S. Weller, 1903c, pp. 130-131, pl. 4, figs. 1-2

Knight, 1941, pp. 265-266, pl. 18, figs. 3a-3b

Referred specimen: UC 10251

S. Weller, 1903c, pp. 130-131

Lower Ordovician, Beekmantown, Kittatinny Limestone.

Railroad cut of New York, Susquehanna and Western Railroad at Columbia, New Jersey. S. Weller, Locality 210A. New Jersey Collection.

Remarks: UC 10251 is one of the "paratypes" claimed by Knight, 1941, p. 265 to be missing.

Polygyrata Weller, 1906 = *Ophileta* Vanuxem, 1842

Knight, 1944, p. 447

Polygyrata = *Ophileta* (*Ophileta*)

Knight et al., 1960, p. 1200

Polynicos (Neverita) aperta (Whitfield, 1865)

See: Natica (Girodes) aperta Whitfield, 1865

Polynicos (Lunatia) perspecta (Whitfield, 1865)

See: Natica perspecta Whitfield, 1865

Polyphemopsis peracuta (Meek and Worthen, 1861)

See: Eulima ? peracuta Meek and Worthen, 1861

Porcellia chesterensis Thein and Nitecki, 1974

Holotype: by original designation: UC 37467

Thein and Nitecki, 1974, pp. 106-107, fig. 41a-b

Referred specimen: UC 56299

Thein and Nitecki, 1974, pp. 106-107, fig. 41c

Referred specimen: UC 56300

Thein and Nitecki, 1974, pp. 106-107

Upper Mississippian, Chester Series, Paint Creek Limestone.

Two-and-one-fourth miles northwest of Bainbridge Church, along road southwest from Princeton Pike, Christian County, Dawson Spring Quadrangle, Kentucky. Collected by A. H. Sutton, 1926.

Referred specimens: three specimens UC 30344

Thein and Nitecki, 1974, pp. 106-107

Upper Mississippian, Chester Series, Glen Dean Limestone.

Eight miles southwest of Vienna, north side of Creek, at 400-ft. elevation. NW¼, SW¼, sec. 17, T. 13S., R. 4E., Vienna Quadrangle, Illinois. Locality W.M. 18-29. Collected by Stuart Weller, 1918.

Referred specimens: three specimens UC 25174

Thein and Nitecki, 1974, pp. 106-107

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone)

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimens: three specimens UC 11388

Thein and Nitecki, 1974, pp. 106-107

Upper Mississippian, Chester Series.

Rizer's Landing. Missouri. Gurley Collection.

Referred specimen: UC 25943

Thein and Nitecki, 1974, pp. 106-107

Upper Mississippian, Chester Series. Lower Okaw Limestone.

West bluff of the Mississippi River, above highway and railroad tracks. One mile northwest of Perryville Junction, Perry County, Missouri, Chester Quadrangle, Illinois-Missouri. Collected by Stuart Weller, 1926.

Porcellia sp.

Referred specimens: five specimens UC 57404

Plummer and Moore, 1921, p. 73

Middle Pennsylvanian, Strawn Group, Millsap Formation.

Limestone on south side of Brazos River, just west of bridge at Dennis, southwest Parker County, Texas. (Locality 76.1) F. B. Plummer Collection.

Potamides Alabamiensis Whitfield, 1865

Holotype: not designated, to be selected from five specimens: UC 24520

Whitfield, 1865, p. 266, pl. 27, fig. 13, (UC 24520 with red dot)

Whitfield, 1899, p. 174

= *Mesalia alabamiensis* (Whitfield, 1865)

Bowles, 1939, pp. 327-328, pl. 34, fig. 10

Palmer and Brann, 1966, p. 756

Lower Eocene, Middle Wilcox Group, Tuscahoma Formation.

Six miles below Prairie Bluff, Alabama. (Whitfield, 1865). Probably Greggs Landing, about 2 miles above Bells Landing, Alabama River, Wilcox County, Alabama. (Palmer and Brann, 1966, p. 756). Collected by T. J. Hale. James Hall Collection.

Praenatica expansa (Conrad, 1841)

See: *Strophostylus expansus* (Conrad, 1841)

Priscoficus (Fulguroficus) juvenis (Whitfield, 1865)

See: *Pyrula juvenis* Whitfield, 1865

Priscoficus triserialis (Whitfield, 1865)

See: *Fulgur triserialis* Whitfield, 1865

Promenetus (Promenetus) kansasensis (Baker, 1938)

See: *Menetus kansasensis* Baker, 1938

Promenetus (Phreatomenetus) umbilicatellus (Cockerell, 1887)

See: *Menetus umbilicatellus* (Cockerell, 1887)

Propatella magnacostata Grubbs, 1939

Holotype: by original designation: UC 46058

Grubbs, 1939, pp. 558-559, pl. 62, figs. 30, 32

Referred specimens: three specimens UC 46059

Grubbs, 1939, pp. 558-559, pl. 62, fig. 29

= *Philhedra magnacostata* (Grubbs, 1939), an inarticulate brachiopod
Rowell, 1965, p. H291

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Federal Stone Company Quarry, Chicago, Cook County, Illinois.

Remarks: *P. magnacostata* is the type species of the genus *Propatella*
Grubbs, 1939.

Pseudoliva elliptica Whitfield, 1865

Holotype: by monotypy: UC 24670

Whitfield, 1865, p. 260

Aldrich, 1887, p. 80

Gardner, 1945, p. 195, pl. 27, figs. 3-4

= *Buccinanops ellipticum* (Whitfield, 1865)

Harris, 1899, p. 30

LeBlanc, 1942, p. 117

Palmer and Brann, 1966, p. 533

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation, Bells Landing Member.

Bells Landing, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 533) not Vicksburg (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Pseudozygopleura wortheni (S. Weller, 1916)

See: *Loxonema wortheni* S. Weller, 1916

Pterotheca expansa (Emmons, 1842)

Referred specimen: UC 11540

Branson, 1909, pp. 45-46, pl. 7, fig. 14

Middle Ordovician, Stones River Group, Auburn Chert.

Near Auburn, Lincoln County, Missouri. Collected by Stuart Weller, 1896.

Pterotheca triangularis Bradley, 1930

Holotype: by original designation: UC 20705

Bradley, 1925, p. 57 *nomen nudum*

Bradley, 1930, p. 242, pl. 25, fig. 1

Middle Ordovician, Kimmswick Limestone.

Glen Park, Missouri. Collected by Stuart Weller, 1896.

Ptomatis patulus (Hall, 1843)

See: *Bellerophon patulus* (Hall, 1843)

Ptychomphalus depressus S. Weller, 1916

Holotype: by original designation: UC 14850

S. Weller, 1916, p. 255, pl. 18, fig. 30

= *Glyptotomaria (Dictyotomaria) depressa* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 108

Upper Mississippian, Meramec Series. Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles

southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Ptychomphalus ? fountainensis S. Weller, 1916

Holotype: by original designation: UC 14851A

S. Weller, 1916, p. 255, pl. 18, fig. 14

= *Donaldina fountainensis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 220

Referred specimen: UC 14851B

S. Weller, 1916, p. 255, pl. 18, fig. 13

= *Donaldina fountainensis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 220

Referred specimen: UC 14852

S. Weller, 1916, p. 255, pl. 18, fig. 12

= *Donaldina fountainensis* (S. Weller, 1916)

Thein and Nitecki, 1974, p. 220

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Ptychomphalus missouriensis S. Weller, 1906

Holotype: designated by Branson 1938a, p. 145, UC 11340A

S. Weller, 1906, pp. 455-456, pl. 2 [7], fig. 25

Branson, 1938a, pp. 145-146, pl. 16, figs. 30, 31

Referred specimen: UC 11340B

S. Weller, 1906, pp. 455-456, pl. 2[7], fig. 26

Branson, 1938a, pp. 145-146

Referred specimens: two specimens UC 11340C-D

S. Weller, 1906, pp. 455-456

Branson, 1938a, pp. 145-146

= *Mourlonia missouriensis* (S. Weller, 1906)

Thein and Nitecki, 1974, p. 83

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry,

just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Ptychomphalus sinuatus S. Weller, 1916

Holotype: by original designation: UC 14849A
 S. Weller, 1916, pp. 254-255, pl. 18, figs. 33-34
 = *Baylea sinuata* (S. Weller, 1916)
 Thein and Nitecki, 1974, p. 81

Referred specimen: UC 14849B
 S. Weller, 1916, pp. 254-255, pl. 18, fig. 29
 = *Baylea sinuata* (S. Weller, 1916)
 Thein and Nitecki, 1974, p. 81

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Ptychomphalus wortheni S. Weller, 1916

Holotype: by original designation: UC 14847
 S. Weller, 1916, pp. 253-254, pl. 18, figs. 26 and 27

Referred specimens: three specimens UC 14848
 S. Weller, 1916, pp. 253-254, pl. 18, figs. 24, 25, 28, 31
 = *Glyptotomaria (Dictyotomaria) wortheni* S. Weller, 1916
 Thein and Nitecki, 1974, pp. 108-109

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo: SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Punctopatella corallifera Grubbs, 1939

Holotype: by original designation: UC 46060
 Grubbs, 1939, p. 559, pl. 62, figs. 31, 33

Referred specimens: Four specimens: UC 46061
 Grubbs, 1939, p. 559, pl. 62, fig. 34

= *Petrocrania corallifera* (Grubbs, 1939), an inarticulate brachiopod
Rowell, 1965, pp. H290-H291

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Federal Stone Company Quarry, Chicago, Cook County, Illinois.

Remarks: *P. corallifera* is the type species of the genus *Punctopatella*
Grubbs, 1939.

Pycnomphalus americanus Wing, 1925 *nomen nudum*

Referred specimens: two specimens UC 28796 and five specimens
UC 28797

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by
M. E. Wing.

Pycnomphalus kindlei Fenton and Fenton, 1924

Referred specimens: four specimens UC 25813

Referred specimens: six specimens UC 25837

Fenton and Fenton, 1924, p. 181

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South bank of Lime Creek, Hackberry Grove, Portland Township,
Cerro Gordo County, Iowa. Fenton Collection.

Referred specimens: eight specimens UC 25748

Fenton and Fenton, 1924, p. 181

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

Pit of Rockford Brick and Tile Company, Rockford, Floyd County,
Iowa. Fenton Collection.

Remarks: *Pycnomphalus* is known only from the Silurian (Knight
et al., 1960, p. 1244). *P. kindlei* has apparently not been re-
assigned.

Pyropsis perlata Conrad, 1860

See: *Pyropsis richardsoni* (Toumey, 1854)

Pyropsis richardsoni (Toumey, 1854)

Referred specimen: UC 18572

S. Weller, 1907, pp. 739-742, pl. 86, figs. 3-5

Richards and Ramsdell, 1962, p. 51

Upper Cretaceous, Matawan Group, Merchantville Formation.

In the head of a small ravine, tributary to Cheesequake Creek, just north of the road from Morristown to Jacksonville, about 0.75 of a mile west of Morristown and a little over 2 miles northwest of Matawan. Fossils were collected just below the road in the most westerly and largest of three similar ravines along the road west from Morristown, Morris County, New Jersey. S. Weller, Locality 101. New Jersey Collection.

Remarks: Richards and Ramsdell, 1962, p. 51 suggest that UC 18572 is either *Pyropsis perlata* Conrad, 1860 or *P. trochiformis* (Toumey, 1854).

***Pyropsis trochiformis* (Toumey, 1854)**

See: *Pyropsis richardsoni* (Toumey, 1854)

***Pyrula juvenis* Whitfield, 1865.**

Holotype: not designated; to be selected from two specimens UC 24503.

Whitfield, 1865, pp. 259-260

Aldrich, 1886, pp. 25, 56, pl. 6, fig. 8

Harris, 1896, p. 102

Whitfield, 1899, p. 174

= *Ficula juvenis* (Whitfield, 1865)

Gregorio, 1890, p. 101, pl. 7, fig. 54

= *Fusoficula juvenis* (Whitfield, 1865).

Harris, 1899, p. 66

= *Ficopsis juvenis* (Whitfield, 1865)

Stewart, 1927, p. 375

= *Fulguroficus juvenis* (Whitfield, 1865)

Wrigley, 1929, pp. 247, 249

= *Ficus juvenis* (Whitfield, 1865)

Gardner, 1935, p. 263

= *Priscoficus (Fulguroficus) juvenis* (Whitfield, 1865)

Gardner, 1939, pp. 31-32, pl. 7, fig. 17

LeBlanc, 1942, pp. 113-115

Palmer and Brann, 1966, pp. 849-850

Lower Eocene, Middle Wilcox Group, Tuscahoma Formation, Greggs Landing Member.

Probably Greggs Landing, Alabama River, Monroe County, Alabama

(Palmer and Brann, 1966, p. 850), 8 miles above Claiborne (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Ranellina maclurii (Conrad, 1835)

See: *Pisania Claibornensis* Whitfield, 1865

Ranellina sulcata (I. Lea, 1833)

See: *Pisania Claibornensis* Whitfield, 1865

Raphistoma columbiana S. Weller, 1903

Holotype: not designated

"*Plastoplesiotype*": UC 10220

S. Weller, 1903c, p. 128, pl. 4, figs. 3-5.

Lower Ordovician, Beekmantown, Kittatinny Limestone.

Railroad cut of New York, Susquehanna and Western Railroad at Columbia, New Jersey. S. Weller, Locality 210A. New Jersey Collection.

Rostellaria carinata Mantell, 1822

"*Plastoplesiotype*": UC 57380

Ward, 1866, p. 138, text-fig. on p. 138

Upper Cretaceous, Albian, "Gault"

Folkestone, England.

Remarks: The figure (Ward, 1866, p. 138) is a mirror image of the specimen. The depository of the original specimen is unknown.

R. carinata = *Aporrhais carinata* (Mantell, 1822)

Gardner, 1875, p. 125

= *Aporrhais (Anchura) carinata* (Mantell, 1822)

Gardner, 1880, p. 53

= *Dicroloma (Anchura) carinata* (Mantell, 1822)

Cossmann, 1904, p. 93

= *Anchura carinata* (Mantell, 1822)

Sohl, 1960, p. 104

Rostellaria whitfieldi Heilprin, 1880

Referred specimen?: UC 24616

Heilprin, 1880, p. 216

Middle Eocene, Gosport Sand, uppermost Claiborne Group.

Claiborne Bluff, Alabama River, Monroe County, Alabama. James Hall Collection.

Remarks: UC 24616 bears a pencilled notation “*Cerithium whitfieldi* Heilprin paratype.” The holotype is AMNH 10166/1 (“5566/1”), but Heilprin’s description was based on two specimens. UC 24616 may be the second specimen.

Rostellaria whitfieldi = *Cerithium whitfieldi* (Heilprin, 1879)
Palmer, 1937, p. 215

Rostellaria whitfieldi = *Dirocerithium whitfieldi* (Heilprin, 1879)
Woodring, 1959, pp. 173, 174

Rotularia sp.

See: *Tubulostium callosum* Stoliczka, 1898

Salpingostoma richmondensis Ulrich *in* Ulrich and Scofield, 1897

Referred specimens: three specimens UC 29409
Evans, 1926, p. 204

Upper Ordovician, Maquoketa Formation.

Along the banks of the Kankakee River at Wilmington, Will County, Illinois. Collected by University of Chicago field class.

Scaphella newcombiana (Whitfield, 1865)

See: *Voluta Newcombiana* Whitfield, 1865

Schizostoma catilloides (Conrad, 1842)

Referred specimens: two specimens UC 31443
Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Referred specimens: 21 specimens UC 23070
Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on

south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Referred specimens: 20 specimens UC 31345

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas. (Locality 53.8). F. B. Plummer Collection.

Remarks: *Schizostoma catilloides* = *Straparollus (Amphiscapha) catilloides* (Conrad, 1842)

Yochelson and Saunders, 1967, pp. 214-215

Shansiella carbonaria (Norwood and Pratten, 1855)

See: *Pleurotomaria harii* Miller, 1891

Pleurotomaria newportensis White, 1880

Sigatica (Sigaretopsis) aperta (Whitfield, 1865)

See: *Natica (Girodes) aperta* Whitfield, 1865

Siluriphorus sp.

See: "*Trochusina*" *monoplicata* Wing, 1925 *nomen nudum*

Sinuities cancellatus (Hall, 1842)

Referred specimens: five specimens UC 5901

Bradley, 1925, p. 56

Middle Ordovician, Kimmswick Limestone.

Glencoe Lime Company, Glen Park, Missouri (published) near Sulpher (sic) Springs, Mo. 3B. (UC Catalogue). Collected by Stuart Weller, 1896.

Sinuities cancellatus corrugatus (Hall, 1847)

See: *Bellerophon bilobatus corrugatus* Hall, 1847

Sinuities globularis (Miller and Faber, 1894)

See: *Bellerophon globularis* Miller and Faber, 1894

Sinuities granistriata (Ulrich in Ulrich and Scofield, 1897)

See: *Bellerophon globularis* Miller and Faber, 1894

Sinuites sp.

Referred specimen: UC 29420 (missing)

Evans, 1926, p. 204

Upper Ordovician, Maquoketa Formation.

Along the banks of Aux Sables Creek, about 2 miles west of Minooka, Grundy County, Illinois. Collected by University of Chicago field class.

Soleniscus medialis (Meek and Worthen, 1861)

See: *Macrocheilus medialis* Meek and Worthen, 1861

Soleniscus (Machrochilina) primigenius (Conrad, 1835)

See: *Macrocheilus primigenia* (Conrad, 1835)

Soleniscus sp. indet.

Referred specimens: two specimens UC 56369

Thein and Nitecki, 1974, pp. 197-198, fig. 89a-b (UC 56369-A);
fig. 89c-d (UC 56369-B)

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Solenospira illinoiensis S. Weller, 1916

Holotype: not designated, to be selected from UC 14857

Referred specimens: three specimens UC 14857A-C

S. Weller, 1916, pp. 256-257, pl. 18, fig. 21 (UC 14857A); fig. 22 (UC 14857B); fig. 23 (UC 14857C)

= *Stegocoelia (Stegocoelia) illinoiensis* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 161, 164, 165

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Solenospira pygmaea S. Weller, 1916

Holotype: not designated, to be selected from UC 14855

Referred specimens: five specimens UC 14855A-E

S. Weller, 1916, p. 256, pl. 18, fig. 1 (UC 14855A); fig. 2 (UC 14855B); fig. 3 (UC 14855C); fig. 4 (UC 14855D); fig. 5 (UC 14855E)

= *Donaldina pygmaea* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 220, 221

Referred specimens: 12 specimens UC 14855F-Q

S. Weller, 1916, p. 256

= *Donaldina pygmaea* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 220, 221

Referred specimen: UC 14856

S. Weller, 1916, p. 256, pl. 18, fig. 6

= *Donaldina pygmaea* (S. Weller, 1916)

Thein and Nitecki, 1974, pp. 220, 221

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle, map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW $\frac{1}{4}$, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Remarks: UC 14855A-E are S. Weller "cotypes." UC 14856 was questionably assigned to *S. pygmaea* by S. Weller, 1916, p. 256.

***Sphaerodoma intercalaris* (Meek and Worthen, 1860)**

Referred specimen: UC 31421

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Remarks: *Sphaerodoma intercalaris* = *Ianthinopsis intercalaris* (Meek and Worthen, 1860)

Yochelson and Saunders, 1967, pp. 100-101

***Sphaerodoma medialis* (Meek and Worthen, 1861)**

See: *Macrocheilus medialis* Meek and Worthen, 1861

Sphaerodoma paludiniformis (sic) (Hall, 1858)

Referred specimens: six specimens UC 31358

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Remarks: *Sphaerodoma paludiniformis* (sic) = *Ianthinopsis paludinaeformis* (Hall, 1858)

Yochelson and Saunders, 1967, pp. 102-103

Sphaerodoma primigenius (Conrad, 1835)

Referred specimens: ten specimens UC 23085

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One-eighth mile northeast of Weeden School, 10 miles northwest of Brownwood, Brown County, Texas, 4 miles south and 1 mile west of New Byrd's Store, at foot of escarpment on north side of road (Locality 112.1) F. B. Plummer Collection.

Referred specimens: eight specimens UC 23072

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2). F. B. Plummer Collection.

Remarks: *Sphaerodoma primigenius* = *Ianthinopsis primogenius* (Conrad, 1835)

Yochelson and Saunders, 1967, pp. 104-105

Sphaerodoma primogenia (Conrad, 1835)

See: *Macrocheilus primogenia* (Conrad, 1835)

Sphaerodoma subcorpulenta (Whitfield, 1882)

Referred specimens: two specimens UC 17208

Easton, 1942, p. 108, pl. 10, fig. 9

Upper Mississippian, Chester Series, Pitkin Formation.

NE¼, sec. 2, T.15 N., R.25 E., one-half mile east of Stilwell, Tahlequa Quadrangle, Oklahoma. L. C. Snider Collection.

Sphaerodoma ventricosa (Hall, 1858)

Referred specimen: UC 31355

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Referred specimen: UC 31415

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One-eighth mile northeast of Weeden School, 10 miles northwest of Brownwood, Brown County, Texas, 4 miles south and 1 mile west of New Byrd's Store at foot of escarpment on north side of road (Locality 112.1) F. B. Plummer Collection.

Remarks: Sphaerodoma ventricosa = *Ianthinopsis paludinaeformis* (Hall, 1858)

Yochelson and Saunders, 1967, pp. 102-103

Sphaerodoma sp.

Referred specimen: UC 16107

Mather, 1915, p. 241, pl. 15, fig. 26

= *Ianthinopsis* sp.

Yochelson and Saunders, 1967, p. 109

Lower Pennsylvanian, Morrow Series, Brentwood Limestone.

Station 135, an abandoned quarry, three and a half miles northeast of Fayetteville, Arkansas. K. F. Mather, Donor.

Referred specimen: UC 31855

Plummer and Moore, 1921, p. 106

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek. (Locality 129.2). F. B. Plummer Collection.

Referred specimens: four specimens UC 31344

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro, Jack County, Texas. (Locality 53.8). F. B. Plummer Collection.

Remarks: *Sphaerodoma* sp. = *Ianthinopsis* sp.

Yochelson and Saunders, 1967, p. 109

Spiroraphe arata (Hall, 1862)

See: *Pleurotomaria arata* Hall, 1862

Stagnicola caperta (Say, 1829)

Referred specimens: 54 specimens PE 3431

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Stagnicola (Hinkleyia) caperta* (Say, 1829)

Taylor, 1960, pp. 53-54

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW¼ Sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Remarks: *Stagnicola caperta* = *Lymnaea caperta* Say, 1829

Hibbard, 1954, p. 342

Stagnicola palustris (Müller, 1774)

See: *Fossaria dalli grandis* Baker

Stagnicola cf. reflexa (Say, 1821)

Referred specimens: 18 specimens PE 3429 and 19 specimens PE 3430

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Stagnicola (Stagnicola) reflexa* (Say, 1821)

Taylor, 1960, p. 53

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW¼ sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown

County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34).
Collected by Bryan Patterson.

See also: *Stagnicola* sp.

***Stagnicola* cf. *S. reflexa* (Say, 1821)**

See: *Fossaria dalli grandis* Baker

***Stagnicola* sp.**

Referred specimens: six specimens PE 3441

Baker, 1938, p. 131

McGrew, 1944, p. 36

= *Stagnicola (Stagnicola)* cf. *S. reflexa* (Say, 1821)

Taylor, 1960, p. 53

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

North side of SW $\frac{1}{4}$ and south side of NW $\frac{1}{4}$, sec. 25, T.31N., R.22W.
Exposures along first wash south of former State Highway 7,
Brown County, Nebraska (Sand Draw Locality 6) (Taylor, 1960,
p. 34). Collected by Bryan Patterson.

***Stegocoelia (Hypergonia) baldwinensis* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56352

Thein and Nitecki, 1974, pp. 167-169, fig. 72c-d

Referred specimen: UC 56353

Thein and Nitecki, 1974, pp. 167-169, fig. 72a-b

Referred specimens: seven specimens UC 25117

Thein and Nitecki, 1974, pp. 167-169, fig. 72e (UC 25117-A)

Referred specimens: two specimens UC 25126 and two specimens
UC 25101

Thein and Nitecki, 1974, pp. 167-169

Upper Mississippian, Chester Series, Lower Okaw (Evansville Oolite).
Sinkhole quarry in east part of Evansville, between the railroad and
the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quad-
rangle, Illinois. Locality W. M. 626. Collected by Stuart Weller,
1913.

***Stegocoelia (Stegocoelia) illinoiensis* (S. Weller, 1916)**

See: *Solenospira illinoiensis* S. Weller, 1916

Stegocoelia (Stegocoelia) kentuckiensis Thien and Nitecki, 1974*Holotype:* by original designation: UC 56348

Thien and Nitecki, 1974, pp. 161-164, fig. 69a-b

Referred specimen: UC 56349

Thien and Nitecki, 1974, pp. 161-164, fig. 69c-d

Referred specimen: UC 30492

Thien and Nitecki, 1974, pp. 161-164

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Stegocoelia (Stegocoelia) okawensis Thien and Nitecki, 1974*Holotype:* by original designation: UC 25131

Thien and Nitecki, 1974, pp. 164-166, fig. 71a-b

Referred specimen: UC 25102

Thien and Nitecki, 1974, pp. 164-166, fig. 71c-d

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: eight specimens UC 25021

Thien and Nitecki, 1974, pp. 164-166

Upper Mississippian, Chester Series, Oolitic member of Okaw Limestone.

One-and-one-half miles southwest of Ellis Grove in Moccasin Hollow; 0.9 mile northeast of Illinois Southern Railroad tracks; about equal distance between two dirt roads, sec. 24 R. 8W., T. 6S., Baldwin Quadrangle, Illinois. Locality W.M. 615. Collected by Stuart Weller, 1913.

Referred specimens: three specimens UC 56350

Thien and Nitecki, 1974, pp. 164-166

Upper Mississippian, Chester Series, Marigold Oolite, Lower Okaw (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼,

sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Straparollus angularis S. Weller, 1900

"*Plastoholotype*": UC 6686

S. Weller, 1900, p. 110, pl. 6, figs. 13-14

= *Straparollus (Euomphalus) angularis* S. Weller, 1900

Thein and Nitecki, 1974, p. 63

Lower Mississippian, Kinderhook Formation, Chonopectus Sandstone.

Upper 5 of 6 ft. of bed number 2 of Stuart Weller, 1900. This is the lower sandstone horizon. The bed is a soft, friable, yellow grit or fine sandstone. Prospect Hill, a bluff on the river bank just south of the city of Burlington, Iowa. Stuart Weller Collection.

Remarks: The original of UC 6686 may be at UMMP.

Straparollus argutus Fenton and Fenton, 1924

Referred specimens: five specimens UC 26040 and UC 26039

Fenton and Fenton, 1924, p. 178

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South Bank of Lime Creek, Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Straparollus carinatus Wing, 1925 *nomen nudum*

Referred specimen: UC 28780

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Thornton, Cook County, Illinois. Collected by M. E. Wing.

Straparollus (Amphiscapha) cattiloides (Conrad, 1842)

See: *Euomphalus cattiloides* (Conrad, 1842)

Schizostoma catilloides (Conrad, 1842)

Straparollus chicagoensis Wing, 1925 *nomen nudum*

Referred specimen: UC 23113

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Stony Island Quarry, Chicago, Cook County, Illinois. Donated by R. T. Chamberlin.

Straparollus cyclostomus (Hall, 1858)

See: *Euomphalus cyclostomus* Hall, 1858

Straparollus cyclostomus portlandensis Fenton and Fenton, 1924

Holotype: by original designation: UC 26037

Fenton and Fenton, 1924, pp. 177-178, pl. 40, fig. 14-15

Referred specimen: UC 20981

Fenton and Fenton, 1924, pp. 177-178

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South bank of Lime Creek, Hackberry Grove, Portland Township,

Cerro Gordo County, Iowa. Fenton Collection.

Straparollus hecale (Hall, 1876)

See: *Euomphalus Hecale* Hall, 1876

Straparollus (Euomphalus) illinoisensis Thein and Nitecki, 1974

Holotype: by original designation UC 56289

Thein and Nitecki, 1974, pp. 68-70, fig. 18a-c

Referred specimens: four specimens UC 25450

Thein and Nitecki, 1974, pp. 68-70

Upper Mississippian, Chester Series, Menard Limestone.

Tributary of Gravel Creek SW $\frac{1}{4}$, SW $\frac{1}{4}$, sec. 35, T. 6S., R. 7W., 4

miles northwest of Chester, Chester Quadrangle, Illinois. Locality

W.M. 628. Collected by Stuart Weller, 1913.

Straparollus latus (Hall, 1858)

See: *Euomphalus latus* Hall, 1858

Straparollus magnus Wing, 1925 *nomen nudum*

Referred specimens: three specimens UC 18104 (One missing)

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois.

Straparollus obtusus (Hall, 1858)

Referred specimen: UC 6676

S. Weller, 1901, pp. 191-192, pl. 17, figs. 6-8

Lower Mississippian, Kinderhook, white oolitic limestone (S. Weller,

1900, bed no. 6).

Burlington, Iowa. S. Weller Collection.

Straparollus (Serpulospira) paradoxus (Winchell, 1863)

See: *Phanerotinus paradoxus* Winchell, 1863

Straparollus planidorsatus (Meek and Worthen, 1861)

Referred specimens: two specimens UC 17202

Snider, 1915, p. 117

= *Straparollus (Euomphalus) planidorsatus* (Meek and Worthen, 1861)

Thein and Nitecki, 1974, p. 66

Upper Mississippian, Chester Series. Pitkin Limestone.

Hill in northern half of sec. 18, T.17N., R.20E., 4 miles west and 2 miles north of Hulbert. Muskogee Quadrangle, Oklahoma. Snider Collection.

Straparollus (Euomphalus) planidorsatus (Meek and Worthen, 1861)

Referred specimens: six specimens UC 25219

Thein and Nitecki, 1974, pp. 64-68, fig. 17a (UC 25219-3); fig. 17i-l (UC 25219-1)

Upper Mississippian, Chester Series, Lower part of Okaw (Golconda Limestone).

Tributary to Camp Creek, NE¼, NE¼, sec. 17, T. 5S., R. 8W., 1¼ miles south of Ruma. Renault Quadrangle, Illinois. Locality W.M. 601. Collected by Stuart Weller.

Referred specimens: seven specimens UC 25314

Thein and Nitecki, 1974, pp. 64-68, fig. 17b-e (UC 25314-4); fig. 17f-g (UC 25314-1), fig. 17h (UC 25314-2)

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¼ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W.M. 594. Collected by Stuart Weller, 1912 and 1913.

Referred specimens: three specimens UC 25123

Thein and Nitecki, 1974, pp. 64-68

Upper Mississippian, Chester Series, Lower Okaw (Evansville Oolite).

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: two specimens UC 26878

Thein and Nitecki, 1974, pp. 64-68

Upper Mississippian, Chester Series, Paint Creek Shale.

Tributary of Rocky Branch, 3½ miles east of New Design, SE¼, NE¼, sec. 23, T. 3S., R. 9W., Waterloo Quadrangle, Illinois. Locality W.M. 604. Collected by Stuart Weller.

Referred specimen: UC 30065

Thein and Nitecki, 1974, pp. 64-68

Upper Mississippian, Chester Series, Renault Limestone.

Near middle of east half of sec. 34, T. 2S., R. 9W., 4 miles east of Waterloo, Waterloo Quadrangle, Illinois. Locality W.M. 575. Collected by Stuart Weller.

See also: *Straparollus planidorsatus* (Meek and Worthen, 1861)

Straparollus similis Meek and Worthen, 1862

Referred specimens: five specimens UC 14862A-E

S. Weller, 1916, pp. 258-259, pl. 17, figs. 17-19 (UC 14862A)

= *Straparollus (Euomphalus) similis* Meek and Worthen, 1862

Yochelson and Saunders, 1967, pp. 220-221

Upper Mississippian, Meramec Series Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

See also: *Straparollus similis* var. *planus* Meek and Worthen, 1862

Straparollus similis var. **planus** Meek and Worthen, 1862

Referred specimen: UC 14863

S. Weller, 1916, p. 259, pl. 17, figs. 15, 16

= *Straparollus (Euomphalus) similis* Meek and Worthen, 1862

Yochelson and Saunders, 1967, pp. 220-221

Upper Mississippian, Meramec Series, Ste. Genevieve Limestone.

In a rock gorge just above the bridge of state Route 156, over Fountain Creek, as shown on Waterloo Quadrangle map of 1913 (or just under or slightly below the bridge as shown on 1954 map), 2 miles southwest of Waterloo. SW¼, sec. 27, T. 2S., R. 10W., Waterloo Quadrangle, Illinois. Collected by Stuart Weller, 1906.

Straparollus cf. spergenensis (Hall, 1856)

Referred specimen: UC 16112

Mather, 1915, p. 236, pl. 16, fig. 9

= *Straparollus (Straparollus) spergenensis* (Hall, 1856)

Yochelson and Saunders, 1967, p. 227

Referred specimens: nine specimens UC 16113 (missing)

Mather, 1915, p. 236

Lower Pennsylvanian, Morrow Series.

Station 302, along road near branch of Brush Creek, 2½ miles south and 1 mile east of Choteau, Oklahoma. Collected by L. C. Snider and J. B. Newby. K. F. Mather, Donor.

Straparollus (sic) triliris Easton, 1943

Holotype: by original designation: UC 48304 [not UC 40304]

Easton, 1943, p. 151, pl. 24, figs. 20-21

Upper Mississippian, Chester Series, Pitkin Formation

Coarsely crystalline limestone from which spring flows across highway, due west of quarry at Cane Hill, Arkansas. Easton Collection.

Straparollus uniangulatus (Hall, 1847)

See: *Euomphalus uniangulatus* Hall, 1847

Straparollus ? sp.

Referred specimen: UC 4503

S. Weller, 1899, p. 43, pl. 5, fig. 14

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1896.

Straparollus sp. undet.

Referred specimen: UC 6665

S. Weller, 1901, p. 178, pl. 15, fig. 25

Lower Mississippian, Kinderhook, fine grained yellow sandstone (S. Weller, 1900, bed no. 5).

Burlington, Iowa. S. Weller Collection.

Straparollus sp.

Referred specimen: UC 10423

S. Weller, 1903c, pp. 246-247, pl. 22, fig. 14

Upper Silurian, Pridoli, Decker Formation.

In Sussex County New Jersey at Old William Nearpass Quarry on the farms of Sanford Nearpass and John Bigart, about 3 miles south of Port Jervis, New York. S. Weller Locality 2A3. New Jersey Collection.

Referred specimens: two specimens UC 38570 (missing)

H. J. Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

An abandoned quarry, 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

Straparollus (Straparollus) sp. indet.

Referred specimen: UC 25044

Thein and Nitecki, 1974, pp. 76-77, fig. 24a-c

Upper Mississippian, Chester Series, Lower Okaw, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE½, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Straparollus (Euomphalus) sp. indet. 1

Referred specimens: two specimens UC 30793

Thein and Nitecki, 1974, pp. 70-72, fig. 19a-b (UC 30793); fig. 19d (UC 30793-1)

Upper Mississippian, Chester Series, Renault Limestone.

One-and-one-fourth miles northeast of Otter Pond, along dirt road heading southeast from the 541 BM at 550-ft. elevation. Princeton East Quadrangle, Kentucky. Locality W.M. KP 35. Collected by Stuart Weller, 1921.

Referred specimens: five specimens UC 30925

Thein and Nitecki, 1974, pp. 70-72, fig. 19c, e-g (UC 30925-4); fig. 19h-j (UC 30925-1)

Upper Mississippian, Chester Series, Kinkaid Limestone.

Three-fourths mile west of Claxton on south of stream about equal distance between Illinois Central R.R. and Claxton-Beulah Hill Church, at 500-ft. elevation, on north side of hill. Princeton East Quadrangle, Kentucky. Locality W.M. KP 51. Collected by Stuart Weller, 1921.

Referred specimens: two specimens UC 30487

Thein and Nitecki, 1974, pp. 70-72

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Straparollus (Euomphalus) sp. indet. 2

Referred specimens: three specimens UC 30604

Thein and Nitecki, 1974, pp. 72-73, fig. 20a-d (UC 30604-1); fig. 20e (UC 30604-2)

Upper Mississippian, Chester Series, Kinkaid Limestone.

Two-hundred-fifty-feet south from dirt road, SE $\frac{1}{4}$, NW $\frac{1}{4}$, sec. 10, T. 13S., R. 6E., 2 miles northeast of Waltersburg. Brownfield Quadrangle, Illinois. Locality W.M. 16-5. Collected by Stuart Weller, 1916.

Straparollus (Euomphalus) sp. indet. 3

Referred specimen: UC 56290

Thein and Nitecki, 1974, pp. 73-74, fig. 21a-d

Upper Mississippian, Chester Series, Paint Creek Shale.

Tributary of Rocky Branch 3 $\frac{1}{2}$ miles east of New Design, SE $\frac{1}{4}$, NE $\frac{1}{4}$, sec. 23, T. 3S., R. 9W., Waterloo Quadrangle, Illinois. Locality W.M. 604. Collected by Stuart Weller.

Straparollus (Euomphalus) sp. indet. 4

Referred specimen: UC 25046

Thein and Nitecki, 1974, pp. 74-75, fig. 22a-c

Upper Mississippian, Chester Series, Marigold Oolite, Haney Limestone (Lower Okaw).

Along the stream and dirt road, 1 $\frac{1}{2}$ miles south of Marigold, SW $\frac{1}{4}$, SE $\frac{1}{4}$, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Straparollus (Euomphalus) sp. indet. 5

Referred specimen: UC 25146

Thein and Nitecki, 1974, p. 75, fig. 23a-c

Upper Mississippian, Chester Series, Lower Okaw (Golconda).

Tributary of Camp Creek, 1 mile northwest of Marigold, NW $\frac{1}{4}$, NW $\frac{1}{4}$, sec. 20, T. 5S., R. 8W., Renault Quadrangle, Illinois.

Locality W.M. 595. Collected by Stuart Weller, 1912.

Straparollus (Euomphalus) spp.

See: *Euomphalus* spp.

Strobeus medialis (Meek and Worthen, 1861)

See: *Macrocheilus medialis* Meek and Worthen, 1861

Strobeus primigenia (Conrad, 1835)

See: *Macrocheilus primigenia* (Conrad, 1835)

Strophostylus allani Stewart, 1922

Holotype: by original designation: UC 27509A

Stewart, 1922, p. 253, pl. 70, figs. 13-14

Referred specimens: four specimens: UC 27509B

Stewart, 1922, p. 253, pl. 70, figs. 9-12, 15 (One large specimen not figured)

Lower Devonian, Little Saline Limestone, upper beds

Quarries of Ozora Marble Company, in east bank of Little Saline Creek, just south of bend in stream from northerly to easterly direction, a little less than 1 $\frac{1}{2}$ miles west of State Highway H, south of Ozora, Weingarten Quadrangle, Ste. Genevieve County, Missouri. Collected by University of Chicago Ste. Genevieve County field classes.

Strophostylus chesterensis Thein and Nitecki, 1974

Holotype: by original designation: UC 30484

Thein and Nitecki, 1974, pp. 143-145, fig. 61a-d

Referred specimen: UC 56308

Thein and Nitecki, 1974, pp. 143-144

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East

Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

Strophostylus expansus (Conrad, 1841)

“*Plastoplesiotype*”: UC 573

Hall, 1859, pp. 470-471, pl. 114, figs. 3a-3b

Lesley, 1889, p. 1137, text-fig. on p. 1137

Grabau and Shimer, 1909, p. 678, text-fig. 948

= *Praenatica expansa* (Conrad, 1841)

Knight, 1944, p. 473, pl. 194, fig. 3

Lower Devonian, Oriskany Sandstone.

Schoharie County, New York (UC Catalogue), Albany and Schoharie Counties (Published). James Hall Collection.

Remarks: Original of UC 573 is AMNH 2695/1.

Praenatica = *Platyceras* (*Praenatica*)

Knight et al., 1960, p. 1240

Strophostylus modestus Ball, 1928 *nomen nudum*

Referred specimen: UC 34628

Ball, 1928, p. 266

Middle Silurian, Late Wenlock-Early Ludlow, Bainbridge Formation. *Merista* bed.

On Greither Hills about 2¼ miles southeast of Ozora, along the road from Ozora to St. Marys, Ste. Genevieve, County, Missouri. Collected by J. R. Ball.

Remarks: Possibly *Strophostylus* sp. in the faunal list of Flint and Ball, 1926, p. 256 from “St. Genevieve County,”

Strophostylus peoriensis (McChesney, 1859)

See: *Platystoma peoriensis* McChesney, 1859

Strophostylus reversum (Hall, 1860)

See: *Platyceras reversum* Hall, 1860

***Strophostylus subovatus* ?** (Worthen, 1883)

Referred specimen: UC 16110

Mather, 1915, p. 238, pl. 15, figs. 23, 23a

= *Naticopsis* (*Naticopsis*) *subovata* (Worthen, 1883)

Yochelson and Saunders, 1967, p. 143

Lower Pennsylvanian, Morrow Series, Hale Formation.

Station 136, Western slope of East Mountain, Fayetteville, Arkansas.
K. F. Mather, Donor.

Strophostylus varians Hall, 1876

Holotype: not designated

Referred specimen: UC 11759

Hall, 1876, pl. 11, fig. 31

Hall, 1879, p. 31-32, pl. 11, fig. 31

Middle Devonian, Upper Helderberg Limestone (Published), Onondaga Limestone (UC Catalogue).

Onondaga, Onondaga County, New York. James Hall Collection.

Remarks: "Cotypes" of *S. varians* include UC 11759, AMNH 4025/1, and another specimen whose whereabouts is unknown.

Strophostylus wortheni (S. Weller, 1916)

Holotype: see *Naticopsis wortheni* S. Weller, 1916

Referred specimens: three specimens UC 25122

Thein and Nitecki, 1974, pp. 139-143, fig. 60b-d (UC 25122-A)

Upper Mississippian, Chester Series, Evansville Oolite, Lower Okaw.

Sinkhole quarry in east part of Evansville, between the railroad and the east-west county road, sec. 24, T. 5S., R. 8W., Baldwin Quadrangle, Illinois. Locality W.M. 626. Collected by Stuart Weller, 1913.

Referred specimens: three specimens UC 25054

Thein and Nitecki, 1974, pp. 139-143

Upper Mississippian, Chester Series, Marigold Oolite (Haney Limestone).

Along the stream and dirt road, 1½ miles south of Marigold, SW¼, SE¼, sec. 29, T. 5S., R. 8W., Renault Quadrangle, Illinois. Locality W.M. 597. Collected by Stuart Weller, 1912.

Referred specimen: UC 25598

Thein and Nitecki, 1974, pp. 139-143

Upper Mississippian, Chester Series, Golconda Limestone.

One and one-fourth miles southwest of Claxton, at 570-ft. elevation, on southwest side of hill, 4,000 ft. east of BM 544. Princeton East Quadrangle, Kentucky. Locality W.M. KP 49. Collected by Stuart Weller, 1921.

See also: *Naticopsis wortheni* S. Weller, 1916

Strophostylus sp.

Referred specimen: UC 17207

Easton, 1942, p. 108, pl. 10, fig. 18

Easton, 1943, p. 133

Upper Mississippian, Chester Series, Pitkin Formation.

Near northeast corner of sec. 20, T.13 N., R.21 E., about 4 miles north and 1 mile east of Gore, Muskogee Quad., Oklahoma.

L. C. Snider Collection.

Subulites gracilis Miller, 1882

Referred specimen: UC 21869

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Van Horne Collection.

“*Plastoplesiotypes*”: two casts UC 28742

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois.

Remarks: UC 28742 contains casts of CAS 2716 A and B.

Subulites (Polyphemopsis) peracuta (Meek and Worthen, 1861)

See: *Eulima ? peracuta* Meek and Worthen, 1861

Subulites subfusiformis (Hall, 1847)

See: *Murchisonia subfusiformis* Hall, 1847

Subulites (Cyrtospira) ventricosus (Hall, 1852)

See: *Cyrtospira ventricosa* (Hall, 1852)

Surcula? capax (Whitfield, 1865)

See: *Pleurotoma capax* Whitfield, 1865

Surcula nasuta (Whitfield, 1865)

See: *Pleurotoma nasuta* Whitfield, 1865

Surcula persa (Whitfield, 1865)

See: *Pleurotoma persa* Whitfield, 1865

Trachydoma nodosum (Meek and Worthen, 1860 [1861])*Referred specimen:* UC 38575

H. J. Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

An abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith.

Remarks: Trachydoms nodosum = Trachydomia nodosa (Meek and Worthen, 1860)

Yochelson and Saunders, 1967, p. 233

Trachydoma cf. sayrei Knight, 1933*Referred specimen:* UC 38574

Smith, 1938, p. 3

Middle Pennsylvanian, Buckhorn Asphalt.

In an abandoned quarry about 3 miles south of Sulphur, Murray County, Oklahoma. Collected by H. J. Smith

Remarks: Trachydoma sayrei = Trachydomia sayrei Knight, 1933

Yochelson and Saunders, 1967, p. 233

Trachydomia wheeleri (Swallow, 1860)*Referred specimens:* 15 specimens UC 31859 (missing)

Plummer and Moore, 1921, p. 106

Upper Pennsylvanian, Canyon Group, Graford Formation, Brownwood Shale Member.

One mile south of Brooksmith, Brown County, Texas, at foot of escarpment, one-quarter mile north of main road, along secondary road to Clear Creek (Locality 129.2). F. B. Plummer Collection.

Tremanotus alpheus Hall, 1865*Referred specimen:* UC 28750

Wing, 1925, p. 312

Bretz, 1939, p. 77, pl. 3, fig. 5

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry near Chicago, Cook County, Illinois. Van Horne Collection.

Referred specimens: five specimens UC 21959 (four missing)

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry near Chicago, Cook County, Illinois. Van Horne Collection.

See also: *Bellerophon (Bucania) perforatus* Winchell and Marcy, 1865

Tremanotus chicagoensis (McChesney, 1859)

Referred specimen: UC 24352

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry near Chicago, Cook County, Illinois. Gift of Graham Davis.

See also: *Bucania chicagoensis* McChesney, 1859

Tremanotus chicagoensis? (McChesney, 1859)

See: *Tremanotus umbonus* Wing, 1925 *nomen nudum*

Tremanotus crassolaris (McChesney, 1861)

Referred specimens: two specimens UC 21960

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Hawthorne Quarry, Hawthorne, Cook County, Illinois. Van Horne Collection.

Tremanotus umbonus Wing, 1925 *nomen nudum*

Referred specimen: UC 28755

Wing, 1925, p. 312

= ?*Tremanotus chicagoensis* (McChesney, 1859)

Peel, 1972, p. 420

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Thornton Quarry, Cook County, Illinois. Collected by M. E. Wing.

Referred specimen: UC 15174

Wing, 1925, p. 312.

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Chicago, Cook County, Illinois. Gurley Collection.

Treprospira (Treprospira) chesterensis Thein and Nitecki, 1974

Holotype: by original designation: UC 56291

Thein and Nitecki, 1974, p. 79, figs. 25a-d

Referred specimen: UC 56292

Thein and Nitecki, 1974, p. 79

Referred specimen: UC 31706

Thein and Nitecki, 1974, p. 79, figs. 25e-f

Upper Mississippian, Chester Series, basal part of Golconda Limestone.

Three-and-one-half miles southeast of Vienna, north of Cave Creek, 0.6 mile north of Berea School, SE¼, sec. 22, T. 13S., R. 3E., Vienna Quadrangle, Illinois. Locality W. M. 18-25. Collected by Stuart Weller, 1918.

Referred specimen: UC 30237

Thein and Nitecki, 1974, p. 79

Upper Mississippian, Chester Series, Golconda Limestone. Ohio River Bluffs, near Golconda. Golconda Quadrangle, Illinois. Chaney Locality 14. Collected by R. W. Chaney.

Treospira depressa (Cox, 1857)

Referred specimens: twelve specimens UC 23094

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One-and-one-half miles south of South Bend, Young County, Texas, about 1,800 ft. due north of Goode Well No. 1. (Locality 66.1). F. B. Plummer Collection.

Remarks: *Treospira depressa* = *Treospira (Treospira) illinoisensis* (Worthen, 1884)

Yochelson and Saunders, 1967, pp. 236-237

Treospira (Treospira) illinoisensis (Worthen, 1884)

See: *Treospira depressa* (Cox, 1857)

Treospira (Angyomphalus) kentuckiensis Thein and Nitecki, 1974

Holotype: by original designation: UC 30720

Thein and Nitecki, 1974, p. 80, fig. 26a-c

Upper Mississippian, Chester Series, Paint Creek Group.

Three-and-three-tenths miles northeast of Crider, about equal distance south of Farmersville, west side of Donaldson Creek at 500-ft. elevation, Crider Quadrangle, Kentucky. Locality W.M. KP-60. Collected by Stuart Weller, 1921.

Triton (Epidromus) praecedens Whitfield, 1891 [1892]

Holotype: by monotypy: UC 18632

Whitfield, 1891, p. 58, pl. 5, figs. 6-7

= *Triton praecedens* Whitfield, 1892

S. Weller, 1907, p. 726, pl. 84, figs. 7-8

Richards and Ramsdell, 1962, p. 41, pl. 54, figs. 5-6

Upper Cretaceous, Monmouth Group, Navesink Formation.

Lower Green Marls at Mullica Hill, New Jersey. Collected by Dr. N. L. Britton. New Jersey Collection.

Remarks: Whitfield, 1899, p. 176 lists the depository, of this specimen as "Trenton" (NJSM), but Richards and Ramsdell, 1962, p. 41, did not find this specimen there.

Trochonema fatuum (Hall, 1868)

Referred specimen: UC 28792

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite.

Bridgeport Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Remarks = *Trochonema (Eunema) fatuum* (Hall, 1868)

Knight, 1944, p. 451

Trochonema pauper (Hall, 1865)

See: *Euryzone? pauper* Hall, 1865

Trochonema cf. T. umbilicatum (Hall, 1847)

Referred specimen: P 28851

Roy, 1941, p. 121, text-fig. 87

Upper Ordovician, Richmond.

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada.

Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

Remarks: *T. umbilicatum* = *Trochonema (Trochonema) umbilicatum* (Hall, 1847)

Knight, 1944, p. 451

Trochonema sp.

Referred specimen: P 10624 (missing)

"*Plastoplesiotype*": UC 29386

Evans, 1926, p. 204

Upper Ordovician, Maquoketa Formation.

Along the banks of the Kankakee River at Wilmington, Will County, Illinois. Cast by A. W. Slocum.

Trochonema (?) sp.

Referred specimen: p 28852

Roy, 1941, p. 122, text-fig. 88

Upper Ordovician, Richmond

Silliman's Fossil Mount, Frobisher Bay, Baffin Land, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-1928.

"Trochusina" monoplicata Wing, 1925 *nomen nudum*

Referred specimens: UC 28789 and three specimens UC 28790

Wing, 1925, p. 312

Middle Silurian, Late Wenlock-Ludlow, Racine Dolomite

Stony Island Quarry, Chicago, Cook County, Illinois. Collected by M. E. Wing.

Remarks: The generic name "*Trochusina*" was proposed only as a *nomen nudum* by Wing, 1925. Earlier, Wing, 1923 unpub., p. 83 tentatively assigned *Trochus gotlandicus* Lindstrom, 1884 to his new genus "*Trochusina*." *Trochus gotlandicus* was previously used as the type species for the genus *Siluriphorus* Cossmann, 1918 (Knight, 1941, pp. 317-318).

Tropidodiscus cyrtolites (Hall, 1860)

Referred specimens: two specimens UC 5961

S. Weller, 1899, pp. 39-40, pl. 5, figs. 8-9 (UC 5961A)

Lower Mississippian, Kinderhook Formation, Vermicular Sandstone.

From the foundation of an old mill, in blocks of sandstone which originally came from a nearby abandoned quarry. Within the square mile of territory lying directly south of Northview, Webster County, Missouri. Collected by Stuart Weller, 1898.

Referred specimen: UC 11341

S. Weller, 1906, p. 458, pl. 2 [7], fig. 29

Lower Mississippian, Glen Park Limestone.

Bank above railroad cut on the St. Louis, Iron Mountain and Southern Railroad, just south of entrance to Goetz's lime quarry, just below Glen Park Station, about 25 miles south of St. Louis, in Jefferson County, Missouri. Collected by S. Weller, 1904.

Tubulostium callosum Stoliczka, 1898

Referred specimens: UC 9711

S. Weller, 1903a, pp. 416-417, pl. 1, figs. 6-17

S. Weller, 1903b, pp. 68-69, pl. 11, figs. 6-17

Upper Cretaceous.

Admiralty Inlet, Louis Phillippe Land, Antarctica. Stokes Collection.

Remarks: "Most specimens described as *Tubulostium callosum* Stoliczka have been subsequently assigned to *Rotularia*, an annelid of the family Serpulidae." (N. F. Sohl, personal communication, April 4, 1974). A pertinent discussion appears in Stevens, 1967, pp. 353-358.

Turbo shumardi Hall, 1879

Holotype: designated by Knight, 1941, p. 373: P 20636

Hall, 1879, pp. 135-137, pl. 29, figs. 1-2

Nettelroth, 1889, pp. 191-192, pl. 19, figs. 1-3

Kindle, 1901, pp. 708-709

= *Turbonopsis shumardi* (Hall, 1879)

Grabau and Shimer, 1909, pp. 675-676, text-fig. 940

Knight, 1941, pp. 373-375, pl. 55, figs. 2a-d

Knight, 1944, p. 473, pl. 194, figs. 1-2

Referred specimen: P 20623

Hall, 1879, pp. 135-137, pl. 29, figs. 3-4

= *Turbonopsis shumardi* (Hall, 1879)

Knight, 1941, pp. 373-375

Middle Devonian, Onondaga Limestone.

Falls of the Ohio, Louisville, Kentucky. Borden Collection.

Remarks: *T. shumardi* is the type species for the genus *Turbonopsis* Grabau and Shimer, 1909. P 20636 is the "genotype."

Knight, 1941, pp. 373-375.

Turbo (?) spiculatus Fenton and Fenton, 1924

Holotype: by original designation UC 26041

Fenton and Fenton, 1924, pl. 33, figs. 14-15

Upper Devonian, Cerro Gordo Member of Lime Creek Formation.

South Bank of Lime Creek, Hackberry Grove, Portland Township, Cerro Gordo County, Iowa. Fenton Collection.

Remarks: The genus *Turbo* has a post-Paleozoic type species and is not currently considered to range into the Paleozoic (Yochelson

and Saunders, 1967, p. 239) *T. (?) spiculatus* has apparently not been reassigned.

Turbo ventricosus (Hall, 1847)

See: *Holopea ventricosa* Hall, 1847

Turbo sp. 1

Referred specimens: three specimens UC 31801

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3). F. B. Plummer Collection.

Remarks: Plummer and Moore list UC 31801 as "*Turbo* n. sp. 1"

The new species was described only in an unpublished manuscript by R. C. Moore (1919) (Plummer, 1950, p. 16).

Turbo sp. 2

Referred specimens: two specimens UC 31802 and three specimens UC 31829

Plummer and Moore, 1921, p. 58

Lower and Middle Pennsylvanian, Bend Group, Smithwick Shale.

Point midway between Bend-San Saba Road and Colorado River, about 2 miles northwest of sharp bend in the river southwest of Bend, San Saba County, Texas (Locality 151.3) (UC 31802). F. B. Plummer Collection. On Bend-Chappel Road a few hundred feet south of intersection with Bend-San Saba Road, about 2 miles southwest of Bend, San Saba County, Texas (Locality 151.4) (UC 31829). F. B. Plummer Collection.

Remarks: Plummer and Moore list UC 31802 and UC 31829 as "*Turbo* n. sp. 2" The new species was described only in an unpublished manuscript by R. C. Moore (1919) (Plummer, 1950, p. 16).

Turbonopsis shumardi (Hall, 1879)

Referred specimen: P 20622

Knight, 1941, pp. 373-375

Referred specimen: P 20542 (missing)

Knight, 1941, pp. 373-375

Middle Devonian, Onondaga Limestone.

Falls of the Ohio, Louisville, Kentucky. Borden Collection.

See also: *Turbo shumardi* Hall, 1879

Turnus kummeli S. Weller, 1907

Holotype: not designated

Referred specimen: UC 18548

S. Weller, 1907, pp. 652-654, pl. 74, fig. 4

Upper Cretaceous, Matawan Group, Marshalltown Formation.

In the banks of a brook in the woods, about 1 mile a little south of west from Swedesboro, Gloucester County, New Jersey. S. Weller Locality 177. New Jersey Collection.

Remarks: UC 18548 is catalogued as a "cotype." The other "cotypes" may be at NJSM.

Turricula nasuta (Whitfield, 1865)

See: *Pleurotoma nasuta* Whitfield, 1865

Turritella cf. **T. abrupta** Conrad, 1833

Referred specimen: UC 57371

Plummer, 1933, pp. 815-816, pl. 10, fig. 6

= *Turritella polysticha* Stenzel and Turner, 1940

Holotype: not designated

Referred specimen: UC 57371

Stenzel and Turner, 1940, p. 837, pl. 47, fig. 11

Palmer and Brann, 1966, p. 1002

Lower Eocene, Wilcox Group, Seguin Formation.

Solomon's Branch in bank of creek 100 yd. west of road, 6 miles southwest of Elgin, Bastrop County, Texas. F. B. Plummer Collection.

Remarks: The negative in Plummer, 1933, pl. 10, fig. 6 was printed backwards, but is the same specimen illustrated in Stenzel and Turner, 1940, pl. 47, fig. 11. *T. abrupta* was apparently a typographical error for *T. obrupta* (Stenzel and Turner, 1940, p. 837).

See also: *Turritella polysticha* (Stenzel and Turner, 1940)

Turritella Alabamiensis Whitfield, 1865

Holotype: not designated

Referred specimens: eleven specimens UC 24522

Whitfield, 1865, p. 267

Whitfield, 1899, p. 117

= *Turritella alabamiensis* Whitfield, 1865

Bowles, 1939, pp. 299-301, pl. 32, fig. 21

Palmer and Brann, 1966, p. 979

Paleocene, Upper Midway Group, Uppermost Porters Creek Formation, Matthews Landing Beds.

“Nine miles below Prairie Bluff” (Whitfield, 1865). Probably Matthews Landing, small bluff above abandoned landing on left bank of Alabama River, Wilcox County, Alabama (Palmer and Brann, 1966, p. 979). Collected by T. J. Hale. James Hall Collection.

***Turritella dumblei turneri* Plummer, 1933**

See: *Turritella turneri* Plummer, 1933

***Turritella eurynome* Whitfield, 1865**

Holotype: not designated, to be selected from UC 24505

Referred specimens: three specimens UC 24505 (one missing)

Whitfield, 1865, p. 266

Whitfield, 1899, p. 117

Bowles, 1939, pp. 292-293, pl. 32, fig. 18

Palmer and Brann, 1966, p. 987

Lower Eocene, Middle Wilcox Group, Tusahoma Formation, Bells Landing Member.

“Six miles above Claiborne” (Whitfield, 1865). Probably from Bell’s Landing, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 987). Collected by T. J. Hale. James Hall Collection.

***Turritella gatunensis tarataranoides* Hass, 1942**

Holotype: by original designation: P 28908

Haas, 1942, p. 315, text-fig. 3

Referred specimen: P 28909.

Haas, 1942, p. 315, text-fig. 4

Middle Miocene.

Quebradas?, Costa Rica. Exchange with Museo Nacional of Costa Rica.

Turritella hilli Gardner, 1935

See: *Turritella levicuneata* Harris, 1896

Turritella houstonia Harris, 1895

See: *Turritella nasuta* var. *houstonia* Harris, 1895

Turritella kincaidensis Plummer, 1933

Lectotype: designated by Stenzel and Turner, 1940, p. 840: UC 31280

Plummer, 1933, pp. 815-816, pl. 10, fig. 3

Gardner, 1935, p. 285

Bowles, 1939, pp. 320-321

Stenzel and Turner 1940, p. 840, pl. 47, fig. 2

Palmer and Brann, 1966, p. 992

Paleocene, Midway Group, Rocky Cedar Creek Limestone Lentil of the Kincaid Formation.

Quarry and creek approximately 1 mile south of Ola, eastern Kaufman County, Texas. F. B. Plummer Collection.

Referred specimen: UC 57373 (Plummer 9072)

Plummer, 1933, pp. 815-816, pl. 10, fig. 3a [*not* fig. 3]

Gardner, 1935, p. 285

Bowles, 1939, pp. 320-321

Palmer and Brann, 1966, p. 992

= *Turritella plummeri* Stenzel and Turner, 1940

Holotype: by original designation: UC 57373 (Plummer 9072)

Stenzel and Turner, 1940, pp. 839-840, pl. 47, fig. 1

Paleocene, Midway Group, Kincaid Formation.

Right bank of Colorado River, one-fourth mile below the mouth of Dry Creek and approximately one-and-one-quarter miles below the Bastrop-Travis County line, Bastrop County, Texas. F. B. Plummer Collection.

Turritella lenolensis S. Weller, 1907

Holotype: by monotypy: UC 18584

S. Weller, 1907, pp. 698-699, pl. 78, fig. 8

Richards and Ramsdell, 1962, p. 22, pl. 51, fig. 12

Upper Cretaceous, Matawan Group, Merchantville Formation.

A. Reeve's clay pit on the north branch of Pensauken Creek at Lenola, 2 miles west of Moorestown, Burlington County, New Jersey
S. Weller. Locality 163. New Jersey Collection.

Turritella levicunea Harris, 1896

Referred specimens: two specimens UC 57366a-b

Plummer, 1933, pp. 815-816, pl. 10, fig. 4-4a

= *Turritella hilli* Gardner, 1935

Gardner, 1935, pp. 292-293

Bowles, 1939, pp. 301-302

Paleocene, Midway Group, Kincaid Formation.

Three-quarters of a mile below the mouth of Dry Creek on the right bank of Colorado River, on Caldwell Ranch, Bastrop County, Texas. F. B. Plummer Collection.

Turritella lorillardensis S. Weller, 1907

Holotype: not designated

Referred specimen: UC 18506

S. Weller, 1907, p. 703, pl. 79, figs. 10-12

Richards and Ramsdell, 1962, pp. 25-26, pl. 51, fig. 13

Upper Cretaceous, Matawan Group, Woodbury Clay.

National Fireproofing Company clay pits at Lorillard, east of Keyport, Monmouth County, New Jersey. S. Weller, Locality 102. New Jersey Collection.

Remarks: UC 18506 is catalogued as "cotype." The other "cotype" is NJSM 9489.

Turritella merchantvillensis S. Weller, 1907

Holotype: not designated, to be selected from four specimens UC 18583.

S. Weller, 1907, p. 704, pl. 79, fig. 13

Richards and Ramsdell, 1962, p. 26

Upper Cretaceous, Merchantville Formation (Matawan Group).

Isolated outcrop by the roadside, about 3½ miles a little north of east from the town of Jamesburg, at a road corner one-half mile west of Texas on Matchaponix Brook, Middlesex County, New Jersey. S. Weller Locality 140. New Jersey Collection.

Remarks: Richards and Ramsdell, 1962, p. 26, incorrectly listed these specimens as missing.

Turritella mortoni Conrad, 1830

Referred specimen: UC 57369 (Plummer 3227)

Plummer, 1933, pp. 815-816, pl. 10, fig. 8

Lower Eocene, Wilcox Group, Sabinetown Formation. Pendletons Bluff on Sabine River, Sabine County, Texas. F. B. Plummer Collection.

***Turritella mortoni turneri* Plummer, 1933**

See: *Turritella turneri* Plummer, 1933

***Turritella multilira* Whitfield, 1865**

Holotype: not designated, to be selected from UC 24521

Referred specimens: two specimens UC 24521

Whitfield, 1865, p. 266

Whitfield, 1899, p. 177

Bowles, 1939, pp. 316-317, pl. 32, fig. 15

Palmer and Brann, 1966, p. 997

Lower Eocene, Lower Wilcox Group, Nanafalia Formation.

“Six miles below Prairie Bluff” (Whitfield, 1865). Presumably one of the bluffs on the Alabama River below the mouth of Pursley Creek and above Yellow Bluff Landing, Marengo County, Alabama (Palmer and Brann, 1966, p. 997). Collected by T. J. Hale. James Hall Collection.

***Turritella nasuta* Gabb, 1860**

Referred specimen: UC 57374 (Plummer 2214)

Plummer, 1933, pp. 815-816, pl. 10, figs. 12-12a

Middle Eocene, Claiborne Group, base of Crockett Formation.

Right bank of Brazos River at Bridge on Highway 21 (Moseley's Ferry), Burleson County, Texas. F. B. Plummer Collection.

***Turritella nasuta* var. *houstonia* Harris, 1895**

Referred specimen: UC 57375 a-b (Plummer 3445)

Plummer, 1933, pp. 815-816, pl. 10, figs. 11-11a

= *Turritella houstonia* Harris, 1895

Palmer and Brann, 1966, p. 989

Middle Eocene, Claiborne Group, Weches Formation.

Roadside exposure 3 miles east of Melrose on the San Augustine Road, Nacogdoches County, Texas. F. B. Plummer Collection.

***Turritella obrupta* Conrad, 1833**

See: *Turritella* cf. *T. abrupta* Conrad, 1833

Turritella ola Plummer, 1933

Holotype: by original designation: UC 31281 (Plummer 5387)

Plummer, 1933, pp. 815-816, pl. 10, fig. 2

Gardner, 1935, p. 291

Bowles, 1939, p. 320

Stenzel and Turner, 1940, pp. 834-835, pl. 46, fig. 3

Palmer and Brann, 1966, p. 1000

Paleocene, Midway Group, Rocky Cedar Creek Limestone Lentil.
Kincaid Formation.

Quarry and creek approximately 1 mile south of Ola, Eastern Kaufman County, Texas. F. B. Plummer Collection.

Turritella plummeri Stenzel and Turner, 1940

See: *Turritella kincaidensis* Plummer, 1933

Turritella polysticha Stenzel and Turner, 1940

Holotype: not designated

Referred specimens: 11 specimens UC 57370

Stenzel and Turner, 1940, p. 837

Palmer and Brann, 1966, p. 1,002

Lower Eocene, Wilcox Group, Seguin Formation.

Solomon's Branch in bank of creek 100 yd. west of road, 6 miles southwest of Elgin, Bastrop County, Texas. F. B. Plummer Collection.

Remarks: Lectotype to be designated from "syntypes" UC 57370 and from UC 57371 (originally described as *Turritella* cf. *T. abrupta*). These are the syntypes listed as "missing" by Palmer and Brann, 1966, p. 1,002.

See also: *Turritella* cf. *T. abrupta*

Turritella tricarinata Burwash, 1914

Holotype: by original designation: UC 15419 (missing)

Burwash, 1914, p. 81, pl. 1, fig. 3

Cretaceous, Lower shales, with coal and iron ore (subdivision C).

Shores of Maude Island, Skidegate Inlet, Queen Charlotte Islands, Canada. Collected 1905 by Arthur Church.

Turritella trilira Conrad, 1860

"*Plastoplesiotype*": UC 18637

S. Weller, 1907, pp. 699-700, pl. 79, fig. 5

Richards and Ramsdell, 1962, p. 23

Upper Cretaceous, Matawan Group, Wenonah Formation.

John Longstreet's Marl Pit, a little less than 1 mile southeast of Crawford's Corner, and 2¼ miles a little east of north from Holmdel, Monmouth County, New Jersey. S. Weller Locality 126.3. New Jersey Collection.

Turritella turneri Plummer, 1933

Holotype: not designated, to be selected from UC 57367 (Plummer 5419) and three other "Syntypes" whose whereabouts are unknown.

Referred Specimens: UC 57367

Plummer, 1933, p. 815

Stenzel and Turner, 1940, p. 836, pl. 47, fig. 17

Palmer and Brann, 1966, p. 1,005-1,006

= *Turritella mortoni turneri* Plummer, 1933

Palmer, 1937, p. 195

= *Turritella dumblei turneri* Plummer, 1933

Bowles, 1939, p. 304

Middle Eocene, Lower Claiborne Group, Reklaw Formation, Marquez Shale Member.

Old Copper Prospect 4½ miles NE of Harwood, Alsabrook Place, Pullen Survey, Harwood County, Texas. F. B. Plummer Collection.

Turritoma cf. Turritoma ada (Billings, 1865)

Referred specimen: P 23355 (missing)

Roy, 1932, p. 39, pl. 2, fig. 4

Lower Ordovician, Beekmantown

Drift dolomite on Sculpin or Kanaiotok Island, 21 miles northeast of Nain, northeastern Labrador, Canada. Collected by S. K. Roy, Rawson-MacMillan Expedition, 1927-28.

Remarks: *Turritoma* = *Murchisonia* (*Turritoma*)

Knight et al., 1960, p. 1290

Valvata lewisi helicoidea Dall, 1905

Referred specimens: 127 specimens PE 3428

Baker, 1938, p. 130

McGrew, 1944, p. 36

= *Valvata lewisi* Currier, 1868

Taylor, 1960, p. 49

Latest Pliocene or earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T.31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34). Collected by Bryan Patterson.

Velutina (Otina) expansa Whitfield, 1865

Holotype: not designated, to be selected from UC 24504

Referred specimens: 17 specimens UC 24504

Whitfield, 1865, p. 265, pl. 27, figs. 14-15

Whitfield, 1899, p. 177

= *Leptonotis expansa* (Whitfield, 1865)

Conrad, 1866, p. 76

= *Velutina (Leptonotis) expansa* Whitfield, 1865

Tryon, 1883, p. 208, pl. 64, figs. 68-69

Gregorio, 1890, p. 151, pl. 15, figs. 16-17

= *Capulus expansus* (Whitfield, 1865)

Harris, 1899, pp. 83-84

Palmer and Brann, 1966, pp. 558-559

Lower Eocene, Middle Wilcox Group. Tuscahoma Formation. Bells Landing Member.

Bells Landing, Alabama River, Monroe County, Alabama (Palmer and Brann, 1966, p. 559) = 6 miles below Prairie Bluff (Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

Vertigo ovata Say, 1822

Referred specimens: two specimens PE 3438

Baker, 1938, p. 130

McGrew, 1944, p. 36

Taylor, 1960, pp. 74-75

Latest Pliocene and earliest Pleistocene, Keim Formation. (Skinner and Hibbard, 1972, p. 21).

Center of north side sec. 34 and SE corner SW $\frac{1}{4}$ sec. 27, T. 31N., R.22W. Exposures on small draw near Earthen Dam, Brown County, Nebraska (Sand Draw Locality 5) (Taylor, 1960, p. 34). Collected by Bryan Patterson.

***Voluta Newcombiana* Whitfield, 1865**

Holotype: by monotypy: UC 24506

Whitfield, 1865, p. 263, pl. 27, fig. 12

Harris, 1899, p. 35

LeBlanc, 1942, pp. 136-137

= *Voluta (Scaphella) Newcombiana* Whitfield, 1865

Gregorio, 1890, pl. 5, fig. 6

= cf. *Scaphella newcombiana* (Whitfield, 1865)

Palmer and Brann, 1966, pp. 894-895

Lower Eocene, Middle Wilcox Group, Tuscahoma Formation.
Bells Landing Member.

Probably Bells Landing, Alabama River, Monroe County, Alabama
(Palmer and Brann, 1966, p. 894) = 6 miles above Claiborne
(Whitfield, 1865). Collected by T. J. Hale. James Hall Collection.

***Volutilithes haleanus* (Whitfield, 1865)**

See: *Mitra Haleanus* Whitfield, 1865

***Volutocorbis? haleanus* (Whitfield, 1865)**

See: *Mitra Haleanus* Whitfield, 1865

***Wellergyi chesterensis* Thein and Nitecki, 1974**

Holotype: by original designation: UC 56356

Thein and Nitecki, 1974, pp. 96-101, fig. 37a-c

Referred specimens: eight specimens UC 56357

Thein and Nitecki, 1974, pp. 96-101, fig. 37d-f (UC 56357-A);
fig. 37g-i (UC 56357-B); fig. 37j-l (UC 56357-C); fig. 37m-n
(UC 56357-D); fig. 37o-p (UC 56357-E); fig. 37q-s (UC 56357-F);
fig. 37t (UC 56357-G); fig. 37u (UC 56357-H)

Referred specimens: six specimens UC 30478

Thein and Nitecki, 1974, pp. 96-101

Upper Mississippian, Chester Series, Golconda Limestone.

One-and-one-fourth miles southwest of Claxton, at 570 ft. elevation,
on southwest side of hill, 4,000 ft. east of BM 544. Princeton East
Quadrangle, Kentucky. Locality W.M. KP 49. Collected by
Stuart Weller, 1921.

***Westernia pulchra* Fenton and Fenton, 1924**

Referred specimen: UC 26030

Fenton and Fenton, 1924, pp. 188-189, pl. 34, fig. 4
 Upper Devonian, Cerro Gordo Member of Lime Creek Formation.
 Pit of the Rockford Brick and Tile Company, Rockford, Floyd
 County, Iowa. Fenton Collection.

Remarks: Westernia = Westerna
 Knight et al., 1960, p. 1302

Worthenia mississippiensis (White and Whitfield, 1862)

See: *Pleurotomaria mississippiensis* White and Whitfield, 1862

Worthenia subscalaris (Meek and Worthen, 1860)

See: *Pleurotomaria subscalaris* Meek and Worthen, 1860

Worthenia tabulata (Conrad, 1835)

Referred specimen: UC 16117

Mather, 1915, pp. 234-235, pl. 15, fig. 27

Lower Pennsylvanian, Morrow Series, Bloyd Shale, Kessler Limestone
 Member.

Station 209, west slope of East Mountain, Fayetteville, Arkansas.
 K. F. Mather, Donor.

See also: *Pleurotomaria tabulata* (Conrad, 1835)

Referred specimens: two specimens UC 31342 (missing)

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger
 Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-
 Graham Road where the road enters a deep shale cut (Locality
 54.1). F. B. Plummer Collection.

Referred specimens: four specimens UC 23086 (missing)

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland
 Shale Member.

One-eighth mile northeast of Weeden School, 10 miles northwest of
 Brownwood, Brown County, Texas, 4 miles south and 1 mile west
 of New Byrd's Store, at foot of escarpment on north side of road
 (Locality 112.1) F. B. Plummer Collection.

Referred specimens: 15 specimens UC 23068

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One mile south of Gunsight, Stephens County, Texas, just south of fork between Gunsight-Cisco and Gunsight-Eastland Roads, on south side of prominent escarpment (Locality 80.2) F. B. Plummer Collection.

Remarks: The specimen figured by Plummer and Moore, 1921, pl. 22, fig. 17 is apparently not UC 23068.

Referred specimen: UC 31423

Plummer and Moore, 1921, p. 145

Upper Pennsylvanian, Cisco Group, Graham Formation, Wayland Shale Member.

One-and-one-half miles south of South Bend, Young County Texas, about 1,800 ft. due north of Goode Well No. 1 (locality 66.1). F. B. Plummer Collection.

Referred specimens: two specimens UC 31342

Plummer and Moore, 1921, p. 139

Upper Pennsylvanian, Cisco Group, Graham Formation, Jacksboro Limestone Member.

Cut along Rock Island Railroad about 3 miles southeast of Jacksboro (Locality 53.8). F. B. Plummer Collection.

Yochelsonospira pagoda Thein and Nitecki, 1974

Holotype: by original designation: UC 25315

Thein and Nitecki, 1974, pp. 101-102, fig. 39a-d

Upper Mississippian, Chester Series, Lower Okaw Limestone.

South Branch of Camp Creek, near middle of north half of sec. 18, T. 5S., R. 8W., 2¼ miles southwest of Ruma, Renault Quadrangle, Illinois. Locality W. M. 594. Collected by Stuart Weller, 1912 and 1913.

Yunnania sp.

See: *Cyclonema* sp.

Yvania gurleyi (Meek, 1872)

See: *Pleurotomaria gurleyi* Meek, 1872

Zygopleura cara (Dawson, 1883)

See: *Loxonema cara* Dawson, 1883

Zygopleura nodosa Girty, 1915

Referred specimens: seven specimens UC 31446

Plummer and Moore, 1921, p. 140

Upper Pennsylvanian, Cisco Group, Graham Formation, Bunger Limestone Member.

Three miles west of Finis, Young County, Texas. On the Graford-Graham Road where the road enters a deep shale cut (Locality 54.1). F. B. Plummer Collection.

Remarks: *Zygopleura nodosa* = *Paleostylus (Stephanozyga) nodosus* (Girty, 1915)

Yochelson and Saunders, 1967, p. 153

TABLE 1

Stratigraphic distribution of genera listed.

	Cam	Ord	Sil	Dev	Miss	Penn	Perm	Tri	Jur	Cret	Paleo	Eo	Mio
Hyalolitha:													
<i>Hyolithes</i>	1	5	7										
<i>Pharetrella</i>			1										
<i>Theca</i>			1										
Total	1	5	9										
Polyplacophora:													
<i>Chiton</i>		1											
<i>Helminthochiton</i>						1							
Total		1				1							
Scaphopoda:													
<i>Dentalium</i>					1	3							
<i>Laevidentalium</i>					2								
Total					3	3							
Monoplacophora:													
<i>Archinacella</i>		1											
<i>Cyrtionella</i>				1									
<i>Helcionopsis</i>					1								
<i>Tryblidium</i>		3											
Total		4		1	1								
Gastropoda:													
<i>Aclisina</i>			1		3	1							
<i>Baylea</i>					1								
<i>Bellerophon</i>		5	2	5	12	15	1						
<i>Bembexia</i>					1	1							
<i>Borestus</i>					2								
<i>Bucania</i>	2	1			1								
<i>Bucanopsis</i>					1	3							
<i>Bulimorpha</i>				1	3								
<i>Callonema</i>			3										
<i>Cancellaria</i>										1			
<i>Capulus</i>					1								
<i>Cataschisma</i>	1												
<i>Cerithium</i>												1	
<i>Coelocaulus</i>			5										
<i>Columbella</i>												1	
<i>Crepitacella</i>													3
<i>Cyclonema</i>		5	1	4	3								
<i>Cyclora</i>		2											
<i>Cyclosporgia</i>				1									
<i>Cyrtolites</i>		6		1									
<i>Cyrtospira</i>			1										

TABLE 1 (continued)

	Cam	Ord	Sil	Dev	Miss	Penn	Perm	Tri	Jur	Cret	Paleo	Eo	Mio
<i>Diaphorostoma</i>		7	5										
<i>Donaldina</i>				3									
<i>Eocyliomphalus</i>	2												
<i>Eotomaria</i>	1	1											
<i>Eotrochus</i>				2									
<i>Euconospira</i>				5	1								
<i>Eulima</i>					1								
<i>Euomphalopterus</i>		5											
<i>Euomphalus</i>	1	1	2	1	2								
<i>Euphemites</i>				2									
<i>Euphemus</i>				3	3								
<i>Euryzone</i>		3											
<i>Fasciolaria</i>									1				
<i>Floyda</i>			3										
<i>Fulgur</i>											1		1
<i>Fusus</i>									2	1			
<i>Gastrocopta</i>													2
<i>Girtyspira</i>				1									
<i>Glabrocingulum</i>				1	1								
<i>Globozyga</i>				1									
<i>Glyptotomaria</i>				1									
<i>Goniospira</i>					1								
<i>Gosseltina</i>				1									
<i>Gyraulus</i>													2
<i>Gyronema</i>	1												
<i>Haminea</i>									1				
<i>Helicotoma</i>	2												
<i>Hercorhynchus</i>									1				
<i>Holopea</i>	6	1	1	2									
<i>Hormotoma</i>	10	1											
<i>Ianthinopsis</i>				2									
<i>Igoceras</i>		1											
<i>Kincaidia</i>				1									
<i>Knightites</i>				2									
<i>Lagena</i>									1				
<i>Lepetopsis</i>				2									
<i>Leptonema</i>		1											
<i>Leptoptygma</i>				1									
<i>Liospira</i>	3												
<i>Lirularia</i>													1
<i>Lophospira</i>	7	6											
<i>Loxonema</i>		3	4	3									
<i>Lymnaea</i>													1
<i>Maclurea</i>	2												
<i>Maclurina</i>	2												
<i>Maclurites</i>	3												
<i>Macrocheilus</i>					2								
<i>Meekospira</i>				5	3								

TABLE 1 (continued)

	Cam	Ord	Sil	Dev	Miss	Penn	Perm	Tri	Jur	Cret	Paleo	Eo	Mio
<i>Menetus</i>													2
<i>Metoptoma</i>				1									
<i>Mitra</i>											2		
<i>Monoptigma</i>											1		
<i>Mourlonia</i>				4									
<i>Murchisonia</i>	4		1	1									
<i>Natica</i>					1					3	3		
<i>Naticopsis</i>			2	7	3								
<i>Neilsonia</i>				1									
<i>Ophileta</i>		1											
<i>Orestes</i>					1								
<i>Orthonema</i>					1								
<i>Orthonychia</i>		1	3	3									
<i>Palaeostylus</i>				2									
<i>Palaeozygopleura</i>				4									
<i>Patellilabia</i>				1									
<i>Patellostium</i>					1								
<i>Phanerotinus</i>				2									
<i>Phanerotrema</i>		3			2								
<i>Pharkidonotus</i>					1								
<i>Phragmolites</i>	1												
<i>Phymatopleura</i>				2									
<i>Physa</i>													1
<i>Pisania</i>											1		
<i>Platyceras</i>	1	4	30	22	1								
<i>Platystoma</i>			4	1	1								
<i>Platyschisma</i>				1									
<i>Platyzona</i>				3									
<i>Pleuronotus</i>			1										
" <i>Pleuropterus</i> "		2											
<i>Pleurotoma</i>										2	2		
<i>Pleurotomaria</i>	2	5	4	3	6								
<i>Poleumita</i>		6											
<i>Polygyrata</i>	1												
<i>Porcellia</i>				1	1								
<i>Potamides</i>											1		
<i>Propatella</i>		1											
<i>Pseudoliva</i>											1		
<i>Pterotheca</i>	2												
<i>Ptychomphalus</i>				5									
<i>Punctopatella</i>		1											
<i>Pycnomphalus</i>		1	1										
<i>Pyropsis</i>								1					
<i>Pyrula</i>											1		
<i>Raphistoma</i>	1												
<i>Rostellaria</i>								1			1		
<i>Salpingostoma</i>	1												
<i>Schizostoma</i>					1								

TABLE 1 (continued)

	Cam	Ord	Sil	Dev	Miss	Penn	Perm	Tri	Jur	Cret	Paleo	Eo	Mio
<i>Sinuites</i>	2												
<i>Soleniscus</i>				1									
<i>Solenospira</i>				2									
<i>Sphaerodoma</i>				1	6								
<i>Stagnicola</i>													3
<i>Stegocoelia</i>				3									
<i>Straparollus</i>	4	2	16	2									
<i>Strophostylus</i>	1	3	3	1									
<i>Subulites</i>	1												
<i>Trachydoma</i>					3								
<i>Tremanotus</i>	4												
<i>Trepostira</i>				2	1								
<i>Triton</i>								1					
<i>Trochonema</i>	3	1											
" <i>Trochusina</i> "		1											
<i>Tropidodiscus</i>				2									
<i>Tubulostium</i>								1					
<i>Turbo</i>			2		2								
<i>Turbonopsis</i>			1										
<i>Turnus</i>								1					
<i>Turritella</i>								5	3	8	1		
<i>Turritoma</i>	1												
<i>Valvata</i>													1
<i>Velutina</i>											1		
<i>Vertigo</i>													1
<i>Voluta</i>											1		
<i>Wellergyi</i>				1									
<i>Westernia</i>			1										
<i>Worthenia</i>					2								
<i>Yochelsonospira</i>					1								
<i>Zygopleura</i>					1								
Total	80	81	82	162	73	1		17	9	26	4	15	

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